

DoD
FLIGHT INFORMATION PUBLICATION
(ENROUTE)



**SUPPLEMENT
EUROPE, NORTH AFRICA
AND MIDDLE EAST**



This Supplement is issued EVERY FOUR WEEKS

EFFECTIVE 0001L
TO 0001L

6 JUL 2006
3 AUG 2006

Consult NOTAMS for latest information

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EFF. DATE 06187

SPECIAL NOTICES SECTION

A Special Notice section concerning NEW FLIP FEATURES appears below and contains notices of new requirements or major modifications of existing FLIPs. New notices appearing for the first time will be shown first. New feature notices will be carried for three issues and then dropped. In the event there are no NEW FLIP FEATURES, the word "NONE" will be centered within the NEW FLIP FEATURES box.

Special Notices of a **permanent** nature will be carried for three issues and then incorporated in the appropriate section of the applicable FLIP product. Notices of a **temporary** nature will be carried in this section for the life of the notice. **New** or **modified** notices are emphasized by an outline and the date of first issuance at the top of the notice. Outline will be eliminated from temporary notices after one issue and issuance date will be relocated at the end of the notice.

6 JULY 2006

AERONAUTICAL INFORMATION TRANSITION

Effective October 1, 2006, NGA will move DAFIF™ and FLIP information to the NGA NIPRNET/Extranet. To access the NGA NIPRNET/Extranet, you will need a PKI certificate and additional access privileges granted by NGA. Register for access by going to <https://www.extranet.nga.mil>. You will be required to login using an existing valid Common Access Card (CAC) and pin. Fill out and submit the request form. You will be notified by email when you have been granted access.

8 JUNE 2006

SUNSET NOTICE: AREA ARRIVAL CHARTS DEPICTING TERRAIN DATA (AACDTD)

NGA and the FLIP Service representatives have identified there is no longer a requirement to produce all of the current Area Arrival Charts Depicting Terrain Data (AACDTD). NGA will sunset 35 of the 38 currently produced Area Arrival Charts Depicting Terrain Data (AACDTD) with the production of the 28 September 2006 effective date. The Alaska AACDTD charts (Adak, Anchorage, and Fairbanks) will continue in production, all other AACDTD's will expire at the end of the respective AIRAC cycle from the 28 September 2006 effective date. Any questions or concerns with this initiative should be forwarded to the respective Service representative as identified in General Planning, Chapter 10.

The following Area Arrival Charts Depicting Terrain Data (AACDTD) are scheduled for sunset:

Europe/North Africa/Middle East: Athina, Aviano, Bardufoss, Frankfurt, Incirlik, Madrid, Napoli, Pisa, Preswick, and Ramstein.

Pacific/Australasia/Antarctica: Atsugi, Daegu, Fukuoka, Gimhae, Gwangju, Iwakuna, Kunsan, Osan, Pochang, and Yecheon.

Caribbean/South America: LaPaz, Lima, Rio, and Santiago.

United States: Albuquerque, Colorado Springs, Denver, Las Vegas, Los Angeles, Palmdale, Salt Lake City, San Diego, San Francisco, and Seattle.

Africa: Johannesburg.

11 MAY 2006

DISCONTINUE PRINTING OF THE US PREFERRED ROUTES

With Army, Air Force and Navy approval, NGA will stop printing the US Preferred Routes in the Area Planning Book / 1 effective 28 September 2006. The information will be available at FAA website:
http://www.fly.faa.gov/Products/Coded_Departure_Routes/NFDC_PREFERRED_ROUTES_Database/nfdc_preferred_routes_database.html. DAFIF will continue to carry the Preferred Routes.

NEW FLIP FEATURES

16 FEBRUARY 2006

**AIRPORT/FACILITY DIRECTORY LEGEND
ITEM 14 LIGHTING
&**

ITEM 21 CLEARANCE STATUS

ITEM 14 LIGHTING: Two new types of lighting systems.

A. CALVERT II (British) -- FLIP Code: 29, Lgt Sys: J2

For depiction of the approach lighting system see FIH, NAT/INTL Flight Data/Procedures, Section B, Lighting System, Page B-36.

B. Rapid Exit Taxiway Indicator Lighting -- FLIP Code 49, Lgt Sys: RETIL

For description of the lighting system see General Planning, Chapter 2 Explanation of Terms, Airport Lighting, Item (9), Page 2-5.

ITEM 21 CLEARANCE STATUS: Two new codes for airfields designated as Airport of Entry.

A. R-AOE (Regular Airport of Entry), US Airports Only, See FCG.

B. L-AOE (Limited Airport of Entry), US Airports Only, See FCG.

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GENERAL INFORMATION

1. GENERAL

- a. The DoD Enroute Supplement is a DoD Flight Information Publication (FLIP) produced and distributed by the National Geospatial-Intelligence Agency. It is designed for use with the geographically corresponding DoD Enroute Charts and the Flight Information Handbook (FIH). The DoD Enroute Supplement is intended to provide reference data and flight procedures for U.S. Military air operations only and the data and flight procedures contained herein may not be applicable to other users.
- b. The DoD Enroute Supplements and Enroute Charts are produced and distributed based on the ICAO Aeronautical Information Regulation and Control (AIRAC) cycle of 28 days or multiples thereof. They may be amended to disseminate informational changes between FLIP publication cycles by NGA publication of a textual or graphic scheduled Enroute Change Notice (ECN) or an unscheduled Urgent Change Notice (UCN) as required. The publications may also be updated by NOTAM or Special Notices issued via the FAA/DoD Integrated and/or Army Flight Operations Detachment (AFOD) NOTAM Systems.
- c. Related FLIP information can be found in the FIH, the applicable FLIP Area Planning documents, and the High/Low Altitude Terminal Volumes.
- d. The Enroute Supplement contains General Information, Airport/Facility Directory, Theater Flight Data and Procedures, and related aeronautical information that applies only to a geographically corresponding area. The FIH contains enroute flight information of a static nature that applies to two or more FLIP areas worldwide.
- e. New or revised data will be indicated by a vertical line down the left margin extending the full length of the new or revised data. The vertical line will not be applied to the Front Cover, the Airport/Facility or Heliport listings, Airport/Island Sketches, or graphic data.

2. REVISIONS, CORRECTIONS, CHANGES, ADDITIONS to FLIP PRODUCTS -

- a. See FLIP General Planning, Chapter 11.
- b. Call the appropriate military/civilian operating agencies listed below:

US NAVY/MARINES - DSN 288-3473/0974 or C202-433-3473/0974. FAX: DSN 288-3458
C202-433-3458. E-MAIL: Navfig@navy.mil

US AIR FORCE - CONUS - PAA, CSA C240-857-6721 or DSN 857-6721; OCONUS, ENAME, EEA, AFR C240-857-6713 or DSN 857-6713, FAX: C240-857-7996 or DSN 857-7996.
E-MAIL: affsa.xoia@andrews.af.mil

US ARMY - DSN 656-4871 or C703-806-4871. E-MAIL: harrisonw@belvoir.army.mil

US ARMY/EUROPE-NORTH AFRICA-MIDDLE EAST - DSN 373-8079/6426 or
C06221-17-8079/6426

CIVILIAN ENTITIES - C314-263-4646. FAX: C314-263-4247.

3. REQUISITIONS, DISTRIBUTION SCHEDULES and QUALITY REPORTS - See FLIP General Planning, Chapter 11.

4. INTERNET - DAFIF, E-CHUM, Enroute Supplements and Planning Documents are available at <http://164.214.2.62/products/digitalaero/index.html>

5. CUSTOMER HELP - For questions concerning this or other NGA products or services, please phone the NGA Operational Help Desk 1-800-455-0899, (314) 263-4864 or DSN 693-4864.

ICAO INTERNATIONAL PHONETIC ALPHABET/MORSE CODE

A	.-	Alfa	(AL-FAH)	S	...-	Sierra	(SEE-AIR-RAH)
B	-...-	Bravo	(BRAH-VOH)	T	-	Tango	(TANG-GO) (YOU-NEE-FORM)
C	-...-	Charlie	(CHAR-LEE) (or SHAR-LEE)	U	..-	Uniform	(or OO-NEE-FORM)
D	-...-	Delta	(DELL-TAH)	V	...-	Victor	(VIK-TAH)
E	.	Echo	(ECK-OH)	W	.-	Whiskey	(WISS-KEY)
F	..-.-	Foxtrot	(FOKS-TROT)	X	-...-	Xray	(ECKS-RAY)
G	--.	Golf	(GOLF)	Y	-...-	Yankee	(YANG-KEE)
H	....	Hotel	(HOH-TELL)	Z	---.	Zulu	(ZOO-LOO)
I	..	India	(IN-DEE-AH)	1	.-	Wun	
J	.-	Juliett	(JEW-LEE-ETT)	2	..	Too	
K	-.-	Kilo	(KEY-LOH)	3	...-	Tree	
L	.-	Lima	(LEE-MAH)	4	....-	Fow-er	
M	--	Mike	(MIKE)	5	.....	Fife	
N	-.	Novem-ber	(NO-VEM-BER)	6	-----	Six	
O	---	Oscar	(OSS-CAH)	7	-----	Sev -en	
P	.-	Papa	(PAH-PAH)	8	-----	Ait	
Q	---	Quebec	(KEH-BECK)	9	-----	Nin-er	
R	.-	Romeo	(ROW-ME-OH)	0	-----	Ze-ro	

SECTION A**AIRPORT/FACILITY DIRECTORY LEGEND****TABLE OF CONTENTS****PAGE NO.**

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A-2 AIRPORT/FACILITY DIRECTORY LEGEND

SAMPLE

LESPEANCE INTL, (TAVISH FLD) FL Keystone I **KLES** CIV (N)
[7] N24°01.90' W81°35.26' (32UMA2028522509) 301 UTC+2(+3DT)
[11] **SKETCH, H-4H, L-12F**

[12] (B) **RWY-09** L5,9,24,50 [16] (8596x148 ASP [17] L5,9,50 **RWY-27**
[18] S80 T220 ST175 TT315 TDT800 PCN 74 R/B/W/T)

[15] 8404→ ←7596
[19] ←NET BEFAB (35') HOOK BAK-12(B) (853') HOOK BAK-12(B) (796') NET BEFAB (34')→
SERVICE - AOE **LGT** - REIL Rwy 27 rqr 30 min PN.

[20] **A-GEAR** - Rwy 09 BAK-12 barrier hsg lctd 200' fr rwy cntrline. **JASU** - (C-26) 3(MA-1)
4(MD-3) **FUEL** - A+ (DG AIR C636-555-1212) A J8 **FLUID** - PRESAIR LHOX LOX
OIL - O-128 **TRAN ALERT** - No reciprocating eng maint avbl. Exp delays on wkend.

[23] **REMARKS** - Opr 0500-2300Z++. **RSTD** - OFFL BUS ONLY. Rwy 09 ldg 7925' ngst.
[25] **CAUTION** - Ints hvy jet tfc. **TFC PAT** - Rgt tfc. **NS ABTMT** - Mand quiet hr 2330-0400Z++. **CSTMS/AG/IMG** - CSTMS avbl PN rqr. **MISC** - Rwy 09-27 grooved. Class D Airspace eff 0400-2330Z++ OT Class G. **N** - PPR only.

[26] **COMMUNICATIONS** - **PTD** - 372.2 **ATIS** - 128.3 279.3 **AWOS-3** - C305-389-1056.
135.375 **RDO** - 122.0 **APP** - Opr H24. **(R) (E)** 123.975 309.95 362.3 (123.975 Blw 5000').
[27] (309.95 Abv 5000') **TWR** - Opr 0400-2330Z++. 126.3 138.7 217.4 238.5 **GND** - 121.9 348.6 **DEP** - **(R)** 121.3 263.0 **CLNC DEL** - 121.4 281.4 **KAYE COMD POST** - 128.1 293.7 349.4 (349.4 AMC acft) **PMSV METRO** - 344.6 **REMARKS**: (Full svc dur wx fcst hr.) **A/G** - See Global HF Systems listing in FIH. **FSS-GAINESVILLE GNV-DL-NOTAM KLES**

[28] **NAVAIDS** - **CLERMONT VOR-DME** - HA 117.500 CMF CH 122 (100/50) N24°01.15' W81°35.33' At Fld. 1060/(A)2°00.0'E **CLERMONT NDB** - MHW 390.000 AVI N24°55.59' W81°25.71' 047° 9.5 NM to Fld. Unk/1°2.3'E MP 0700-1000Z++ Wed. **VHF/UHF/DF**

[34] CMF VOR-DME unuse 015°-070° byd 25 NM blw 4500' 150°-180° byd 20 NM blw 6500'
[35]

[36] **ILS/RADAR** - → **ILS** - BRG 272° LCZR AV 110.7 GS 3° ■ **RADAR** - ASR - Call RADAR - 140.675 362.1 344.0 279.6 385.4 PAR - Call GCA (123.3 279.6 362.1 Mil) (123.3 Civ)

AMMAN ACC, JO **OJAC** (CIV) **(R) (V)** **CON W SCTR** - 128.3 **E SCTR** - 128.5
APP - 128.9 TMA blw FL 145. **REMARKS** - Radar svc unavbl ev Mon btn 0730-1530Z++ due maint. Non-radar svc avbl. **H-13A-14B-16G, L-16F,G**

TOULON NAVY CONTROL CENTER, FR **EDUF** **(R) (E)** 132.85 133.75
d285.5 d306.9 322.3 **ALFA** - d319.2 **BRAVO** - 343.7 **H-1B-2C, L-11C, T-3D**

[39] [40]

AIRPORT/FACILITY DIRECTORY LEGEND A-3

LEGEND

1. The following detailed legend is provided to assist users in becoming familiar with the format used in the Airport/Facility Directory. Information which is self-explanatory will not be covered in this legend.

- a. All bearings, radials, courses, and tracks are magnetic.
- b. All mileages are nautical miles (NM).
- c. All times are Coordinated Universal Time (UTC).
- d. All elevations are in feet above/below Mean Sea Level (MSL) unless otherwise noted.
- e. All geographic coordinates are compatible with the World Geodetic System (WGS).

2. Section B contains an alphabetical listing of all: Airports (landplane and heliports) which meet one of the below listed criteria; Air Traffic Control Centers; Flight Information Centers; Communications Stations; and Radio Aids to Navigation.

a. US:

(1) A published DoD (High/Low Altitude) Instrument Approach Procedure and/or ASR/PAR RADAR approach minima.

(2) All airports located within Canada and Mexico portrayed on U.S. Enroute Charts for emergency use.

(3) Selected airports and heliports not meeting the above criteria but specifically requested by DoD to meet operational requirements.

b. Foreign (non-US):

(1) A published DoD Instrument Approach Procedure and/or approved RADAR minima.

(2) Those airports published on Enroute Charts in accordance with applicable specifications.

(3) Those airports or heliports with an arrival or departure procedure or a directory entry published in the VFR Arrival/Departure Books.

(4) At least one 3000' or longer runway of hard surface where landings of DoD aircraft are not specifically prohibited.

(5) Specifically requested by a DoD unit to meet operational requirements.

(6) Heliports operated by a DoD military service, or requested by a DoD military service to meet operational requirements.

3. Symbol Legend -

§ Denotes Interphone drop to Army Flight Operations Detachment (AFOD)

X Frequency available on request

R Receive only

T Transmit only

d Discrete frequency

A-4 AIRPORT/FACILITY DIRECTORY LEGEND

- (R) RADAR capability
- (V) VHF emergency frequency 121.5 monitored.
- (U) UHF emergency frequency 243.0 monitored.
- (E) VHF and UHF emergency frequencies monitored.
- # Aeronautical Phone Patch Svc Capability
- ➔ ILS Instrument Approach Procedure not published in DoD FLIP Terminals.
- RADAR with no minima published in DoD FLIP products.

4. Operating Times

- a. Airports operate H24 unless otherwise specified in Remarks.
- b. Airport Services (Fuel, Transient Service, etc.) and Communications (ATIS, PTD, UNICOM, APP, DEP, TWR, A/G, etc.) operate the same hours as airport unless otherwise specified.
- c. Radio Navigational Aids operate and are monitored H24 unless otherwise specified.

5. NOTAM SERVICE

a. NOTAM information for DoD aircrews is obtained using the DoD Internet NOTAM Distribution System (DINS) which is derived from the United States Consolidated NOTAM Office at the FAA Air Traffic Control Systems Command Center, Herndon VA.

b. The primary DINS system NOTAM Web page <https://www.notams.jcs.mil> incorporates many features to assist the user when retrieving NOTAM requests. Real time NOTAM data is available, and contains all NOTAMs validated by the U.S. NOTAM System (USNS), which include domestic, international, military and from Flight Data Centers (FDC).

c. DINS will provide a plain language notice, highlighted in red, when a requested location is not in the U.S. NOTAM System. If the requested location is not covered, it does not transmit NOTAM information for the USNS. You must contact the requested location to receive NOTAM information.

d. ALTERNATE LOCATION - Use <https://www.notams.faa.gov> to retrieve NOTAMs should the primary DINS server be out of service.

6. Sample Legend - The legend items that follow explain in detail the contents of the Directory and are keyed to the boxed numbers on the Sample Listing.

1 NAMES - are listed alphabetically.

2 ALTERNATE NAMES

3 STATE/PROVINCE/COUNTRY - are shown by an abbreviation. See Abbreviations at end of Section A.

4 ISLAND/ISLAND GROUP - are shown when State/Province/Country names are not shown or for clarification purposes.

5 LOCATION IDENTIFIER - is shown by either a 4 character ICAO/4 character FAA/Host Nation Identifier or 2 character ICAO region followed by two dashes/4 character FAA/Host Nation Identifier. Zeros will appear with a slash to differentiate them from the letter "O". If two different codes are assigned for a Military/Civil airport or facility, the military code will be shown first followed by the civil code. If two different military codes are assigned, both codes will be shown with the primary operating agency's code listed first.

AIRPORT/FACILITY DIRECTORY LEGEND A-5

6 OPERATING AGENCY - is classified into two basic categories, Military/Federal Government, and Civil Airports open to the general public, plus some selected private airports. The type is shown by an abbreviation as listed below. When an organization is a tenant, the abbreviation is enclosed in parenthesis.

A	US Army	NADEP	Naval Air Depot
AF	US Air Force	NAF	Naval Air Facility
AFRC	Air Force Reserve Command	NAS	Naval Air Station
ANG	Air National Guard	NASA	National Air and Space Administration
AR	US Army Reserve	NATO	North Atlantic Treaty Organization
ARNG	US Army National Guard	NS	Naval Station
CG	US Coast Guard	NSF	US National Science Foundation
CIV	Foreign Civil Government, (Landing Fees and Diplomatic Clearance may be Required)	NTC	Naval Training Command
DNA	Defense Nuclear Agency	P	US Civil Airport Wherein Permit Covers Use by Transient Military Aircraft
DOE	Dept of Energy	PMRF	Pacific Missile Range Facility
FAA	Federal Aviation Administration	PVT	Private
JUSMAG	Joint US Military Advisory Group	SAMTEC	Space and Missile Test Center
MC	Marine Corps	USBER	US Mission Berlin
MIL	Military	USFS	US Forestry Service
MIL/CIV	Military - Civil Joint Use Airport		
MUNI	Municipal		
N	Navy		

NOTE: No classification - Indicates the airport is open to the general public. For Military Use, arrangements must be made with the airport manager. USAF/USN pilots may use these airports for official business only upon approval of major Command/Operational Commander. US Army pilots refer to AR 95-1.

7 GEOGRAPHIC LOCATION - is shown in degrees, minutes, and hundreds-of-minutes. This is the Airport Reference Point.

8 UTM GRID LOCATION - is shown at airports when requested.

9 ELEVATION - is shown in feet above/below mean sea level and is the highest point on the landing surface. When elevation is sea level it will be indicated as 00; if below sea level, a minus (-) sign will precede the figure.

10 TIME CONVERSION - is shown by the number of hours to be added to/subtracted from UTC to obtain local standard time. In those areas where daylight saving time is observed it is indicated as UTC-4(-3DT) or UTC+4(+5DT). A ++ symbol following operating hours indicates that, during periods of daylight saving time, effective hours will be one hour earlier than shown.

NOTE: When UTC equals local standard time, a space zero will follow UTC, i.e., UTC 0(-1DT), UTC 0

NOTE: Daylight saving time is observed as follows:

AFRICA

REPUBLIC OF NAMIBIA - 1st Sunday in April to 1st Sunday in September.

A-6 AIRPORT/FACILITY DIRECTORY LEGEND

CSA

BAHAMAS - 1st Sunday in April to last Sunday in October.
BERMUDA - 1st Sunday in April to last Sunday in October.
BRAZIL - 3rd Sunday in October to 3rd Sunday in February.
CHILE- 2nd Saturday in October to 2nd Saturday in March.
CUBA- Last Sunday in March to last Sunday in October.
FALKLAND ISLANDS - 2nd Saturday in September to 3rd Saturday in April.
GUANTANAMO BAY NS - 1st Sunday in April to last Sunday in October.
MEXICO - 1st Sunday in April to last Saturday in October, except in the province of Sonora.
PARAGUAY- 1 October to 1 April.
TURKS and CAICOS ISLANDS - Last Sunday in April to last Sunday in October.

EEA

ARMENIA - Last Saturday in March at 2300Z to last Saturday in October at 2300Z.
AZERBAIJAN - Last Saturday in March at 0300L to last Sunday in October at 0300L.
BELARUS - Last Sunday in March at 0200L to last Sunday in October at 0300L.
GEORGIA - Last Sunday in March at 0100Z to last Sunday in October at 0100Z.
KAZAKHSTAN - Last Sunday in March at 0300Z to last Sunday in October at 0300Z.
KYRGYZSTAN - Last Saturday in March at 2300Z to last Saturday in October at 2300Z.
MOLDOVA - Last Sunday in March at 0100Z to last Sunday in October at 0100Z.
RUSSIA - Last Sunday in March at 0200L to last Sunday in October at 0300L.
UKRAINE - Last Sunday in March at 0100Z to last Sunday in October at 0100Z.

ENAME

ALBANIA - Last Sunday in March to last Sunday in October.
AUSTRIA - Last Sunday in March to last Sunday in October.
AZORES - Last Sunday in March to last Sunday in October.
BELGIUM - Last Sunday in March to last Sunday in October.
BOSNIA AND HERZEGOVINA - Last Sunday in March to last Sunday in October.
BULGARIA - Last Sunday in March to last Sunday in October.
CROATIA - Last Sunday in March at 0100Z to last Sunday in October at 0100Z.
CYPRUS - Last Sunday in March to last Sunday in October.
CZECH REPUBLIC - Last Sunday in March to last Sunday in October.
DENMARK - Last Sunday in March to last Sunday in October.
EGYPT - Last Friday in April at 2101Z to last Thursday in September at 2100Z.
ESTONIA - Last Sunday in March to last Sunday in October.
FAROE ISLAND - Last Sunday in March to last Sunday in October.
FINLAND - Last Sunday in March to last Sunday in October.
FRANCE - Last Sunday in March to last Sunday in October.
GERMANY - Last Sunday in March to last Sunday in October.
GIBRALTAR - Last Sunday in March to last Sunday in October.
GREECE - Last Sunday in March to last Sunday in October.
HUNGARY - Last Sunday in March to last Sunday in October.
IRAQ - Dates by NOTAM.
IRELAND - Last Sunday in March at 0100Z to last Sunday in October at 0100Z.
ISRAEL - 27 March at 2300Z to 2 October at 2200Z.
ITALY - Last Sunday in March at 0100Z to last Sunday in October at 0100Z.
JORDAN - Dates by NOTAM.
LATVIA - Last Sunday in March to last Sunday in October.
LEBANON - Last Saturday in March to last Saturday in October.
LITHUANIA - Last Sunday in March at 0100Z to last Sunday in October at 0100Z.
LUXEMBOURG - Last Sunday in March to last Sunday in October.
MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF - Dates by NOTAM.
MADEIRA ISLAND - Last Sunday in March to last Sunday in October.
MALTA - Last Sunday in March to last Sunday in October.
NETHERLANDS - Last Sunday in March to last Sunday in October.
NORWAY - Last Sunday in March to last Sunday in October.

AIRPORT/FACILITY DIRECTORY LEGEND A-7

POLAND - Last Sunday in March at 0100Z to last Sunday in October at 0100Z.
PORTUGAL - Last Sunday in March to last Saturday in October.
ROMANIA - Last Sunday in March to last Sunday in October.
RUSSIA - Last Sunday in March at 0200L to last Sunday in October at 0300L.
SERBIA AND MONTENEGRO - Last Sunday in March to last Sunday in October.
SLOVAKIA - Last Sunday in March to last Sunday in October.
SLOVENIA - Last Sunday in March to last Sunday in October.
SPAIN - Last Sunday in March to last Sunday in October.
SWEDEN - Last Sunday in March to last Sunday in October.
SWITZERLAND - Last Sunday in March to last Sunday in October.
SYRIA - 1 April to 30 September.
TUNISIA - Last Sunday in May to last Sunday in September.
TURKEY - Dates by NOTAM.
UNITED KINGDOM - 24 March at 0100Z to last Sunday in October at 0100Z.

PAA

AUSTRALIA, except states in **WESTERN AUSTRALIA**, **QUEENSLAND**, and **NORTHERN TERRITORY** - 4th Sunday of October until the 1st Sunday of March
BRITISH INDIAN OCEAN TERRITORY, DIEGO GARCIA NSF - Year round
FIJI - 1 November to 28 February
NEW ZEALAND - 1st Sunday of October until 3rd Sunday of March
EASTER ISLAND - 2nd Saturday in October to 2nd Saturday in March
SRI LANKA - Year round
VANUATU - 4th Saturday in September to 4th Saturday in March

US

Daylight saving time is in effect from 0200 local time the first Sunday in April to 0200 local time the last Sunday in October. **CANADA** and all **US CONTERMINOUS STATES** observe daylight saving time, except **ARIZONA** and that portion of **INDIANA** in the **EASTERN STANDARD TIME ZONE**. **MEXICO** observes daylight saving time the first Sunday in April to the last Saturday in October, except in the province of Sonora.

11 FLIP PUBLICATIONS -

- a. SKETCH - Enroute Supplement.
- b. VFR - VFR Arrival/Departure.
- c. Chart and Chart panel on which airport facility is portrayed.
- d. AACDTD - Area Arrival Chart Depicting Terrain Data on which the primary airport facility is portrayed.

12 AIRPORT BEACON - Omission of (B) indicates rotating beacon is not available.

13 RUNWAY DESIGNATION - Runways are normally numbered in relation to their magnetic orientation rounded off to the nearest 10 degrees. Single runways are shown with the lower number on the left side. Parallel runways can be designated Left/Right/Center with the left runway listed first. Multiple runways are shown in ascending order from top to bottom. Additionally, runways may be designated as STOL, Temporary, or assault strips. Assault strips are shown by magnetic bearing.

A-8 AIRPORT/FACILITY DIRECTORY LEGEND

14 LIGHTING - is shown in the Flight Information Handbook by the following codes:

FLIP Code	Lgt Sys	Definition	FLIP Code	Lgt Sys	Definition
1	PCL	Pilot Controlled Lighting	31	F	Left Row (High Intensity)
2	SF	Sequenced Flashing Lights	32	I	Air Force Overrun
3	TDZL	Touchdown Zone Lighting	33	J	Calvert I (British)
4	CL	Centerline Lighting System	34	M	Single Row Centerline
5	HIRL	High Intensity Runway Lights	35	N	Narrow Multi-cross
6	MIRL	Medium Intensity Runway Lights	36	O	Centerline (High Intensity)
7	LIRL	Low Intensity Runway Lights	37	Q	Alternate Centerline and Bar
8	RAIL	Runway Alignment Lights	38	S	Cross
9	REIL	Runway End Identifier Lights	39	T	Center Row
10	A	ALSF-2	40	U	Singapore Centerline
11	A1	ALSF-1	41	X	Centerline 2 Crossbars
12	A2	SALS or SALSF	42	ODALS	Omnidirectional Approach Lighting System
13	A3	SSALR	43	V (VASI)	Visual Approach Slope Indicator
14	A4	MALS and MALSF or SSALS and SSALF	44	V1 (T-VASI)	T-Visual Approach Slope Indicator
15	A5	MALSR	45	V2 (PVASI)	PVASI
16	AF	Overrun Centerline	46	V3 (JUMBO)	VASI with a TCH to accommodate long bodied or jumbo aircraft
17	AI	Centerline and Bar	47	V4	Tri-color Visual Approach Slope Indicator
18	B	US Configuration (B)	48	V5 (APAP)	Alignment of Elements System
19		Not used	49	RETIL	Rapid Exit Taxiway Indicator Lights
20	BF	Center Row	50	PAPI	Precision Approach Path Indicator
21	BG	Left Single Row	51	OLS	Optical Landing System
22	BN	Former NATO Standard (C)	52	WAVE-OFF	
23	BO	Center Row	53	PORTABLE	
24	BP	NATO Standard	54	FLOODS	
25	BQ	Center and Double Row	55	LIGHTS	
26	BR	Portable Approach	56	LCVASI	Low Cost Visual Approach Slope Indicator
27	BS	Center Row			
28	G	Helicopter Approach Lighting System (HALS)			
29	J2	Calvert II (British)			
30	E	Two Parallel Row			

NOTE: Approach lighting - A - If available but type unknown.

NOTE: Lights are in operation, available sunset to sunrise, or by request (circling the field or by radio through appropriate FSS). An asterisk (*) preceding the lighting entry indicates operation on prior request (phone call, telegram or letter) only. USN/USMC - Lights available only during hours of operation.

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NOTE: Obstructions are usually lighted in accordance with Federal Aviation Regulations, Civil Air Regulations and Military Regulations; therefore, these have not been included as a part of the above code. If, however, information indicates there are unlighted obstruction(s) surrounding the airport, this will be indicated in the Remarks Section.

NOTE: When runway edge lights are positioned more than 10 feet from the edge of the usable runway surface a CAUTION note will be indicated in Remarks. This is applicable to Air Force, Air National Guard and Air Force Reserve Bases, and those joint use airfields on which they are tenants.

NOTE: See the Flight Information Handbook for Pilot Control of Airport Lighting.

15 DISPLACED THRESHOLD - is shown by the landing distance available (in feet) with an arrow indicating the direction. If available length differs from that stated with runway information, a note to that effect will be found in REMARKS - RSTD.

16 RUNWAY DIMENSIONS - are shown in feet. Length shown is runway end to end (includes displaced threshold but does not include overruns). Runways under construction and permanently closed and unserviceable runways will be depicted with the abbreviation CLSD preceding the runway length.

17 RUNWAY SURFACE - Surface material is classified as either Hard or Other. Surface material is the visible material or composition of the major landing portion of the runway.

HARD SURFACE COMPOSITION

ASP - Asphalt, asphaltic concrete, tar macadam, or bitumen-bound macadam - where asphalt or tar is used as a binder to create a surfacing. Includes those runways with concrete ends.

BRI - Brick, Laid or mortared

CON - Concrete or cement (white surface)

COP - Composite, 50 percent or more of the rwy length is permanent

PEM - Part concrete, part asphalt, or part bitumen-bound macadam

PER - Permanent, surface type unknown

OTHER THAN HARD SURFACE COMPOSITION

BIT - Bituminous Tar or Asphalt, mixed in place, oil or bitumen-bound.

CLA - Clay

COM - Composite, less than 50 percent of the rwy length is permanent

COR - Coral

GRE - Graded or rolled earth, grass on graded earth

GRS - Grass on earth not graded or rolled

GVL - Gravel

ICE - Ice

LAT - Laterite

MAC - Macadam - crushed rock water bound

MEM - Membrane - plastic or other coated fiber material

MIX - Mix in place using nonbituminous binders such as Portland Cement

PSP - Pierced steel plank

SAN - sand, graded, rolled or oiled

SNO - Snow

U - Surface unknown

18 RUNWAY BEARING STRENGTH - may be shown as follows:

a. The runway weight bearing capacity in thousands of pounds will be shown expressed in terms of gross weight which can be accepted for continuing operations. It is determined by adding 000 to the figure following S, T, ST, SBTT, TT, TDT, DDT, TRT, TTT and AUW. A blank

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space following the letter designators S or T is used to indicate the runway can sustain aircraft with the type landing gear, although definite runway weight bearing capacity figures are not available. If the T value is less than T63 then no ST value will be depicted. Aircraft weights higher than given require prior permission from the airport controlling authority. Applicable codes are:

S - Single wheel type landing gear (F15), etc.
T - Twin wheel type landing gear (C9A), etc.
ST - Single Tandem landing gear (C130), etc.
SBTT - Single Belly Twin Tandem landing gear (KC10), etc.
TT - Twin Tandem type (includes quadricycle) landing gear (C141), etc.
TDT - Twin Delta Tandem landing gear (C5), etc.
DDT - Double Dual Tandem type landing gear (747), etc.
TRT - Triple Tandem type landing gear (C17), etc.
TTT - Twin Triple Tandem type landing gear (777), etc.

Some USN and USMC airports may associate a runway weight bearing capacity with a specific tire pressure (TP), e.g. S67/TP-400PSI. This indicates the runway weight bearing capacity for aircraft operating with the specific tire pressure. When a runway weight bearing capacity is associated with a tire pressure, it is normally lower than the runway weight bearing capacity for aircraft of the same landing gear configuration operating with normal tire pressure.

If the above information is not available, the following data may be shown:

SWL - Single Wheel Loading (includes information submitted in terms of Equivalent Single Wheel Loading (ESWL) and Single Isolated Wheel Loading). SWL Figures are shown in thousands of pounds, the last three figures being omitted.

PSI - Pounds per square inch. PSI is the actual figure expressing maximum pounds per square inch runway will support.

AUW - All up weight maximum for any aircraft irrespective of landing gear configuration. AUW figures are shown in thousands of pounds, the last three figures being omitted.

C54, etc. - Aircraft by type based on past usage when more specific information is not known.

b. The ACN/PCN System is the ICAO standard method of reporting pavement strength for pavements with bearing strengths greater than 12,500 pounds. The Pavement Classification Number (PCN) is established by an engineering assessment of the runway. The PCN is for use in conjunction with an Aircraft Classification Number (ACN). Consult the Aircraft Flight Manual, FIH, or other appropriate source for ACN tables or charts. Currently, ACN data may not be available for all DoD aircraft. If an ACN table or chart is available, the ACN can be calculated by taking into account the aircraft weight, the pavement type, and the subgrade category. For runways that have been evaluated under the ACN/PCN system, the PCN will be shown as a five part code (e.g. PCN 80 R/B/W/T). Details of the coded format are as follows:

(1) The PCN NUMBER - The reported PCN indicates that an aircraft with an ACN equal or less than the reported PCN can operate on the pavement subject to any limitation on the tire pressure.

(2) The type of pavement:

R - Rigid

F - Flexible

(3) The pavement subgrade category:

A- High

B - Medium

C - Low

D - Ultra-low

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(4) The maximum tire pressure authorized for the pavement:

W - High, no limit

X - Medium, limited to 217 psi

Y - Low, limited to 145 psi

Z - Very low, limited to 73 psi

(5) Pavement evaluation method:

T - Technical evaluation

U - By experience of aircraft using the pavement

NOTE: Prior permission from the airport controlling authority is required when the ACN of the aircraft exceeds the published PCN or aircraft tire pressure exceeds the published limits.

19 ARRESTING GEAR - is shown as it is located on the runway. The A-Gear distance from the end of the appropriate runway (or into the overrun) is indicated in parentheses. A-Gear which has a bi-directional capability and can be utilized for emergency approach end engagements is indicated by a (B). The direction of engaging device is indicated by an arrow. Up to 15 minutes advance notice may be required for rigging A-Gear for approach end engagement. Airport listings may show availability of other than US Systems. This information is provided for emergency requirements only.

US & FOREIGN SYSTEMS

Refer to current aircraft operating manuals for specific engagement weight and speed criteria based on aircraft structural restrictions and arresting system limitations.

CAUTION - Unless noted, US evaluation of the foreign systems listed below has not been verified. The comparison to U.S. Systems is based on best available data at time of publication and is not to be construed as clearance for use. If time permits, obtain engagement capabilities (speed/weight/compatibility) from tower prior to engagement.

Following is a list of current systems identified by both Air Force and Navy terminology:

a. BI-DIRECTIONAL CABLE (B)

<u>TYPE</u>	<u>DESCRIPTION</u>
BAK-6	Water Squeezer
BAK-9	Rotary friction brake
BAK-12A	Standard BAK-12 with 950 foot run out, 1-inch cable and 40,000 pound weight setting. Rotary friction brake.
BAK-12B	Extended BAK-12 with 1200 foot run out, 1 ¼ inch cable and 50,000 pound weight setting. Rotary friction brake.
Dual BAK-12	Two energy absorbers each side of the runway connected to a single cable. Run out varies.
BAK-13	Rotary Hydraulic (Water Brake)
E27	Rotary Friction
E28	Rotary Hydraulic (Water Brake)
M21	Rotary Hydraulic (Water Brake) Mobile
M31	Rotary Hydraulic (Water Brake) Mobile
MB100	Textile brake - an emergency one-time use, modular braking system employing the tearing of specially woven textile straps to absorb the kinetic energy.

The following device is used in conjunction with some aircraft arresting systems:

BAK-14 A device that raises a hook cable out of a slot in the runway surface and is remotely positioned for engagement by the tower on request. (In addition to personnel reaction time, the system requires up to five seconds to fully raise the cable.)

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Type-H

A device that raises a hook cable out of a slot in the runway surface and is remotely positioned for engagement by the tower on request. (In addition to personnel reaction time, the system requires up to 1.5 seconds to fully raise the cable.)

b. UNI-DIRECTIONAL CABLE

TYPE

MB60

E5/E5-1/E5-3

MAAS

DESCRIPTION

Textile brake - an emergency one-time use, modular braking system employing the tearing of specially woven textile straps to absorb the kinetic energy. Chain Type. At USN/USMC stations E-5 A-GEAR systems are rated, e.g., E-5 RATING-13R-1100 HW (DRY), 31L/R-1200 STD (WET). This rating is a function of the A-GEAR chain weight and length and is used to determine the maximum aircraft engaging speed. A dry rating applies to a stabilized surface (dry or wet) while a wet rating takes into account the amount (if any) of wet overrun that is not capable of withstanding the aircraft weight. These ratings are published under SERVICE. Essentially a BAK-12 system mobilized on a specially developed trailer. Basic system has 990 foot run out and is equivalent to standard BAK-12. MAAS may be modified to accommodate different configurations equivalent to various BAK-12 systems including Bi-Directional configurations when system is staked appropriately.

c. FOREIGN CABLE

TYPE

34B-1A, 1B

34B-1C

34D-1F

44B-2B

44B-2C, 2D, 2E, 2F, 2H, 2I, 2L,

3A, 3H, 3L, 4C, 4E

44B-4H

500S

500S-4, 500S-6

500S-8 (TAG)

500S-8

1300

2800

AAE-64

BEFAB 8:3, 20:4, 56:2

BEFAB 60:2

CHAG

E6

JET STOP

MAG I thru MAG X

PAAG

PUAG MK-21

SPRAG MK-1

RHAG MK-1

UNK AGEAR

DESCRIPTION

Rotary Hydraulic (Water Brake)

Rotary Hydraulic (Water Brake)

Rotary Hydraulic (Water Brake)

Rotary Hydraulic (Water Brake)

Rotary Hydraulic (Water Brake)

Rotary Hydraulic (Water Brake)

Rotary Friction

Rotary Friction

Rotary Friction (Trans Arresting Gear)

Rotary Friction

Rotary Hydraulic (Water Brake)

Rotary Hydraulic (Water Brake)

Rotary Hydraulic (Water Brake)

Pneumatic Disc Brake

Pneumatic Disc Brake

Chain

Chain

Rotary Friction Chain Gear

Rotary Hydraulic (Mobile Arresting Gear)

Portable Aircraft Arresting Gear (British)

Rotary Hydraulic (Water Brake)

Linear Hydraulic (Water Squeezer)

Rotary Hydraulic (Water Brake)

Unknown Type Of Energy Absorber

US EQUIVALENT

BAK-6

BAK-12

E-28/BAK-13

BAK-12

BAK-12

E-5

BAK-6

BAK-9

BAK-9

BAK-9

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d. UNI-DIRECTIONAL BARRIER

<u>TYPE</u>	<u>DESCRIPTION</u>
MA-1A	Web barrier between stanchions attached to a chain energy absorber.
MA-1A/BAK-9	Web barrier between stanchions attached to a BAK-9 energy absorber.
BAK-15	Web barrier between stanchions attached to an energy absorber (water squeezer, rotary friction, chain). Designed for wing engagement.

e. UNI-DIRECTIONAL BARRIER WITH CABLE

The following systems are designed for main strut or wing engagement and modified with a pickup cable for hook arrestment.

<u>TYPE</u>	<u>DESCRIPTION</u>
MA-1A Mod	Web barrier between stanchions combined with a hook pickup cable and chain energy absorber.
MA-1A Mod/BAK-9	Web barrier between stanchions combined with a hook pickup cable and BAK-9 energy absorber.
MA-1A Mod/BAK-12	Web barrier between stanchions combined with a hook pickup cable and BAK-12 energy absorber.
BAK-15 (NI)	Web barrier between stanchions interconnected with a hook pickup cable energy absorber (water squeezer, rotary friction, chain). System is called BAK-15 with Net Interconnect (NI).

CAUTION: Landing short of the runway threshold on a runway with a BAK-15 in the underrun is a significant hazard. The barrier in the down position still protrudes several inches above the underrun. Aircraft contact with the barrier short of the runway threshold can cause damage to the barrier and substantial damage to the aircraft.

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f. FOREIGN BARRIER/CABLE

<u>TYPE</u>	<u>DESCRIPTION</u>	<u>US EQUIVALENT</u>
BEFAB 6:3*	Pneumatic Disc Brake	
BEFAB 12:3*	Pneumatic Disc Brake	
BEFAB 21:2	Pneumatic Disc Brake	
BEFAB 24:4**	Pneumatic Disc Brake	
RAF MK-6	Pneumatic Disc Brake	
RAF MK-12A	Pneumatic Disc Brake	All nylon net
RAF TYPE A	BEFAB 6:3 (Pneumatic Disc Brake)	
RAF TYPE B	BEFAB 12:3 (Pneumatic Disc Brake) (net only, may be attached to energy absorber from any A-GEAR)	
SAFE-BAR	(Safeland Barrier)	N/A Engage with closed canopy
61QSII	Barricade Net System	
62NI	Net Barrier With Hook Cable Interconnect	
63PI	Dual Cable Interconnect For Hook Engagement	
A30	Aerazur 30-Element Net (F30)	
A40	Aerazur 40-Element Net (F40)	
HOOK CABLE	Unspecified Type Of Tail Hook Engagement	
HP-NET	Adec High Performance Net	
J-BAR	Generic "Barrier" (Non-Hook Cable) Engagement	
MA-1	Net Barrier Main Gear Cable Engagement	
NET	Unspecified Type Of Net Engagement	
UNK	Unknown	

*May alternatively be fitted with a cable.

**Cable attached.

g. OTHER

<u>TYPE</u>	<u>DESCRIPTION</u>
EMAS	Engineered Material Arresting System, located beyond the departure end of the runway, high energy absorbing materials which will crush under the weight of an aircraft.

20 SERVICE - Specific services, e.g., CLEARANCE STATUS, LIGHTING, A-GEAR, JASU, FUEL, and TRAN ALERT available at the airport are listed under this general heading. Remarks applicable to any service are shown in the individual service listing.

21 CLEARANCE STATUS - See Foreign Clearance Guide for details.

AOE - Airport of Entry. R-AOE - Regular Airport of Entry (US Only). L-AOE - Limited Airport of Entry (US Only). Designated airport where initial entry to a country must be made to obtain border clearances. In the US, an airport where initial entry can be made without permission to land from US Customs. At least one hour advance notice of arrival is required.

LRA - Landing Rights Airport. In the US, an airport where initial entry can be made after application for permission to land is submitted in advance to US Customs and approved. At least one hour advance notice of arrival is required.

22 JET AIRCRAFT STARTING UNITS (JASU) - The numeral preceding the type of unit indicates the number of units available. The absence of the numeral indicates ten or more units available.

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a. USAF JASU (For variations in technical data, refer to T.O. 35-1-7.)

(1) ELECTRICAL STARTING UNITS:

AF/M32A-10	AC: 115/208v, 400 cycle, 3 phase, 20 kva, 0.75 pf, 4 wire DC: 28v, 500 amp, 15 kw
A/M32A-86	AC: 115/200v, 3 phase, 90 kva, 0.8 pf, 4 wire DC: 28v, 1500 amp, 72 kw (with TR pack)
C-26B	AC: 115/208v, 380-800 cycles, 1 phase, 15 kva, 131 amp, 2 wire DC: 28v, 1500 amp, 45 kw
ESSEX B809	AC: 120/208v, 400 cycle, 3 phase, 90 kva DC: 28.5v, 1050 amp continuous, 2250 amp peak 270v, 259 amp
MC-1A	AC: 115/208v, 400 cycle, 3 phase, 37.5 kva, 0.8 pf, 108 amp, 4 wire DC: 28v, 500 amp, 14 kw
MD-1	AC: 120/208v, 400 cycle, 3 phase, 6.25 kva, 0.8 pf
MD-2	AC: 120/208v, 400 cycle, 3 phase, 10 kva, 0.8 pf
MD-3	AC: 115/208v, 400 cycle, 3 phase, 60 kva, 0.75 pf, 4 wire DC: 28v, 1500 amp, 45 kw, split bus
MD-3A	AC: 115/208v, 400 cycle, 3 phase, 60 kva, 0.75 pf, 4 wire DC: 28v, 1500 amp, 45 kw, split bus
MD-3B	AC: 115/208v, 400 cycle, 3 phase, 60 kva, 4 wire DC: 28v, 500 amp
MD-3M	AC: 115/208v, 400 cycle, 3 phase, 60 kva, 0.75 pf, 4 wire DC: 28v, 500 amp, 15 kw
MD-4	AC: 120/208v, 400 cycle, 3 phase, 62.5 kva, 0.8 pf, 175 amp, "WYE" neutral ground, 4 wire, 120v, 400 cycle, 3 phase, 62.5 kva, 0.8 pf, 303 amp, "DELTA" 3 wire, 120v, 400 cycle, 1 phase, 62.5 kva, 0.8 pf, 520 amp, 2 wire
MEP-116A	AC: 115/208v and 240/446v, 400 cycle, 3 phase, 100 kw, 0.8 pf

(2) AIR STARTING UNITS:

AM32-95	150 +/- 5 lb/min (2055 +/- 68 cfm) @ 51 +/- 2 psia
AM32A-95	150 +/- 5 lb/min @ 49 +/- 2 psia (35 +/- psig)
LASS	150 +/- 5 lb/min @ 49 +/- 2 psia
MA-1A	82 lb/min (1123 cfm) at 130° air inlet temp, 45 psia (min) air outlet press
MB-1	500 cu in cap, 3500 psig, 15 cfm
MB-9	4.01 cu ft cap (6930 cu in cap), 5 cfm
MC-1	15 cfm, 3500 psia
MC-1 (modified)	5,000 cu in cap, 3500 psia, 15 cfm
MC-1A	15 cfm, 3500 psia
MC-2A	15 cfm, 200 psia
MC-11	8,000 cu in cap, 4000 psig, 15 cfm
SGNSC	42 cfm, 200 psig max

(3) COMBINED AIR AND ELECTRICAL STARTING UNITS:

AGPU	AC: 115/200v, 400 cycle, 3 phase, 30 kw gen DC: 28v, 700 amp AIR: 60 lb/min @ 40 psig @ sea level
AM32A-60*	AIR: 120 +/- 4 lb/min (1644 +/- 55 cfm) @ 49 +/- 2 psia AC: 120/208v, 400 cycle, 3 phase, 75 kva, 0.75 pf, 4 wire, 120v, 1 phase, 25 kva DC: 28v, 500 amp, 15 kw
AM32A-60A	AIR: 150 +/- 5 lb/min (2055 +/- 68 cfm) @ 51 +/- 2 psia AC: 120/208v, 400 cycle, 3 phase, 75 kva, 0.75 pf, 4 wire DC: 28v, 200 amp, 5.6 kw
AM32A-60B*	AIR: 130 lb/min, 50 psia AC: 120/208v, 400 cycle, 3 phase, 75 kva, 0.75 pf, 4 wire DC: 28v, 200 amp, 5.6 kw

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MA-3MPSU AIR: 150 lb/min, 13.5 cfm, 60 psia
AC: 115/208v, 400 cycle, 3 phase, 60 kva
DC: 28v, 1000 amp, 30 kw

*NOTE: During combined air and electrical loads, the pneumatic circuitry takes preference and will limit the amount of electrical power available.

b. USN JASU

(1) ELECTRICAL STARTING UNITS:

AM32A-108 DC: 750 amp constant, 1000 amp intermittent, 28v;
AC: 90 kva, 115/200v, 3 phase, 400Hz.
MMG-1/1A DC: 500 amp constant, 1000 amp intermittent, 28v;
AC: 60 kva @ .8 pf, 115/200v, 3 phase 400 Hz;
Input (AC): 220/400v, 3-phase, 60 Hz.
MMG-2 DC: 500 amp constant, 28v,
AC: 30 kva @ .8 pf, 115/200v, 3 phase, 400 Hz;
Input (AC): 220/400v, 3 phase, 60 Hz.
NC-8A/A1 DC: 500 amp constant, 750 amp intermittent, 28v;
AC: 60 kva @ .8 pf, 115/200v, 3 phase, 400 Hz.
NC-10A/A1/B/C DC: 750 amp constant, 1000 amp intermittent, 28v;
AC: 90 kva, 115/200v, 3 phase, 400 Hz.

(2) AIR STARTING UNITS:

GTC-85/GTE-85 120 lbs/min @ 45 psi.
MSU-200NAV/ A/U47A-5 204 lb/min @ 56 psia.
WELLS AIR START SYSTEM 180 lbs/min @ 75 psi or 120 lbs/min @ 45 psi. Simultaneous multiple start capability.

(3) COMBINED AIR AND ELECTRICAL STARTING UNITS:

A/M47A-4 AIR: 195 lb/min @ 75 +/- 5 psia or 120-127 lb/min @ 45 +/- psia.
AC: 115/208v, 15 kw, 0.75 pf.
DC: 28V, 100 amp.
NCP-105/RCPT 180 lbs/min @ 75 psi or 120 lbs/min @ 45 psi. 700 amp, 28v DC.
120/208v, 400 Hz AC, 30 kva.

c. JASU (ARMY)

59B2-1B 28v, 7.5 kw, 280 amp.

d. OTHER JASU

(1) ELECTRICAL STARTING UNITS (DND):

CE1 AC 115/200v, 37.5 kva, 400 Hz, 3 phase
CE2 AC 120/208v, 10kw, 400 Hz, 3 phase
CE3 AC 120/208v, 15kw, 400 Hz, 3 phase
CE4 AC 120/208v, 18 kva, 400 Hz, 3 phase
CE5 AC 120/208v, 10 kva, 400 Hz, 3 phase
CE6 AC 120/208v, 15 kva, 400 Hz, 3 phase
CE7 AC 115v, 5 kva, 400 Hz, 1 phase
CE8 AC 115/200v, 40 kva, 400 Hz, 3 phase
CE9 AC 120/208v, 37.5 kva, 400 Hz, 3 phase
CE10 AC 115/200v, 20 kva, 400 Hz, 3 phase
CE11 AC 120/208v, 8.8 kva, 400 Hz, 3 phase
CE12 AC 115/200v, 140 kva, 400 Hz, 3 phase
CE13 AC 115/200v, 60 kva, 400 Hz, 3 phase
CE14 AC/DC 115/200v, 140 kva, 400 Hz, 3 phase, 28vDC, 1500 amp
CE15 DC 22-35v, 500 amp continuous 1100 amp intermittent

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CE16 DC 22-35v, 500 amp continuous 1100 amp intermittent soft start

(2) AIR STARTING UNITS (DND):

CA1 MA1A 36-45 psig, 82-90 lb/min
CA2 ASA 45.5 psig, 116.4 lb/min
CA3 MC11 4000 psig, 15 cu ft/min

(3) COMBINED AIR AND ELECTRICAL STARTING UNITS (DND)

CEA1 AC 120/208v, 60 kva, 400 Hz, 3 phase DC 28v, 75 amp
AIR 112.5 lb/min, 47 psig
CEA2 AC 120/208v, 75 kva, 400 Hz, 3 phase AIR 116.4 lb/min, 47 psig

(4) ELECTRICAL STARTING UNITS (OTHER)

AF/M32M-10 28v, 15kw 500 amp 115/200v 15kw 400 Hz 3 phase 20 kva at .75 PF 4 Wire
M32A-13 28v, 150v 300/140v 22 kva 115/200v 400 Hz 3 phase
20 KVA 20 kva, 115-200v AC, 55.5 amp, 3 phase, 4 wire, 400 Hz
A-3AE DC 24/28, 5v22/40kw
B10, B10A, B10B 28v, 7.5kw, 3kw, 110v: 115/200v, 40 kva at .75 PF, 400 Hz 3 phase 4 wire
BC-3500 Technical data unknown.
C1 10 kva, 120/240v AC, 87 amp single phase, 400 Hz
C3 28/30v DC, 800/1000 amp, 24/30kw
C-21 28v 11kw 2 Wire: 115/200v 8kw 2 Wire 380-900 Hz
C-21-B 11kw 28v DC: 8 kva 380/980 Hz 115v 1 phase AC
C-22 28v 22kw 800-1200 amp: 115/200v 8kw 70 amp 2 wire 380-900 Hz
C-22A 28v 22kw 800-1200 amp: 115/200v 8kw 70 amp 2 wire 380-900 Hz
C-22B 28v 22kw 800-1200 amp: 115/200v 8kw 70 amp 2 wire 380-900 Hz
C-26 28v 45kw 115-200v 15kw 380-800 Hz 1 phase 2 wire
C-26-B, C-26-C 28v 45kw: Split Bus: 115-200v 15kw 380-800 Hz 1 phase 2 wire
C-26-M DC 28v 1000 amp
DSA 150 28v DC 25 amp, 115/208v AC 15 kva 400 Hz 3 phase 4 wire
DSA 300 28v DC 35 amp 115/200v 30 kva 400 Hz 3 phase 4 wire
DSA 560 16kw 28v DC 800 amp 115/200v AC 400 Hz 3 phase 4 wire
ERNST 20 kva - 45 kva 115/280v, 400 Hz, 10 kw 28v DC
E1 DC 24v, 200-600 amp
E2 DC 28v/9kw
E3 DC 28v/10kw
E4 DC 28v/20kw
E5 DC 28v/35kw
E6 DC 28v/112v 10/40kw
E7 DC 28v/112v 12/50kw
E8 DC 28v/112v 6/44kw
E9 DC 24v
E10 DC/AC 28v/200v 10kw/15 kva
E11 DC/AC 28v/200v 6kw/25 kva
E12 DC/AC 28v/200v 10kw/60 kva
E13 AC 115v/10 kva 2400 Hz
E14 AC 200v/30 kva

(5) ELECTRICAL STARTING UNITS (OTHER) (Pacific, Australia and New Zealand)

E1 28v DC Battery Cart
E2 28v DC, 2.2kw
E3 28v DC, 7.5kw
E4 28v DC, 10kw
E5 28v DC, 15kw
E6 Rectifier starting 28v DC 6kw/30kw Peak
E7 Underground Power, 28v DC 15kw, 120/208 VAC 50 kva
E8 28v DC 10kw, 120/208v AC 60 kva

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E9	28v DC 45kw, 120/208v AC 60 kva
E10	28v DC 14kw, 120/208v AC 45 kva
E11	28v DC 15kw, 120/208v AC 15 kva
E12	28v DC 15kw, 120/208v AC 75 kva
E13	28v DC 15kw, 120/208v AC 90 kva
E14	28v DC 22.5kw, 120/208v AC 30 kva
E15	28v DC 25kw, 120/208v AC 30 kva
E16	28v DC 45kw, 120/208v AC 60 kva

EA1	7.8kw, 28v, 280 amp
EA3, EA3A	22kw, 28v, 800-1200 amp
EA7	28v 1050 amp DC
ECU-9M	28v 1000 amp: 220v, 130 amp, 440v 64 amp

G-6	6kw 28v DC Mk 3
G-10	10kw 28v DC Mk 4
G-38	38kw 24/28/32v DC 800/1000/1200 amp
G-40	40kw DC 1425 amp 28v

PE-75	AC 120v 22 amp
ST-22/28	22kw 28v DC
ST-38	38kw 22/28/33v DC 800/1000/1200 amp
ST-45	45kw 28v DC 60 kva 400 Hz 115/200v 3 phase AC
ST-56	56kw 28v DC 700-1500 amp
ST-60	45kw 28v DC 60 kva 400 \pm 1 Hz 115/200v 1 or 3 phase AC
STR-30	STRUVER 30 kva 115v AC 400 Hz 3 phase
STR-45	STRUVER 45 kva 115v AC 400 Hz 3 phase
TC1	30v DC, 800 amp, 24kw
U1000	DC 600 1200 amp 28v
U1003	DC 600 1200 amp 28v

(6) AIR STARTING UNITS (OTHER):

A1	40psi/1.5 lb per sec (Palouste, LPAS Mk 2A)
A2	38 psi/2 lb per sec (LPAS Mk 10)
A3	38.5 psi/2 lb per sec (LPAS Mk 11, LPAS Mk 4)
A4	40 psi/2 lb/sec (LPAS Mk12, Mk12L, Mk12A, Mk1, Mk2B)
A5	40-1200 psi (HP/LPAS 8 cylinder)
A6	38.5 psi/2 lb/sec (LPOAS Mk 17)
AC-35	Atlas Copco 35 psi/120 lb/min
ACE-37A	3600 psi, 18000 cu in capacity
F-52372	182 lb/min 52.8 psia
GSU-160	47 lb sq in, 112 lb/min
JAS	Turbo Compressor, 35 psi/124 lb/min
JEAS	2100 psia 99 lb/min
MA-1	150 Air HP, 115 lb/min 50 psia
MA-2	250 Air HP, 150 lb/min 75 psia
MJ-1	3000-5000 psi, 30 GPM Flow, 110 HP
TASU	Turbine Air Starting Unit
TC-50	Turbo Compressor

(7) COMBINED AIR AND ELECTRICAL STARTING UNITS (OTHER):

90G-20P	AC 115/200v 3 phase 400 Hz 90 kva
GPE-160	60 kva AC 120/20v, 3 phase 400 Hz AIR 112 lb/min @ 47 psi may have 28v max 1000 amp DC
KM1	30 kva, 115/200v AC 87 amp, 3 phase 4 wire, 400 Hz; 182 Air HP, 121 lb/min, 48 psi
KM2	30 kva, 115/200v AC 87 amp, 3 phase 4 wire, 400 Hz;

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	182 Air HP, 121 lb/min, 48 psi
KM3	30 kva, 115/200v AC 87 amp, 3 phase 4 wire, 400 Hz; 182 Air HP, 121 lb/min, 48 psi
KM4	15 kva, 115/200v AC 54.2 amp, 3 phase 4 wire, 117 lb/min, 48 psi
MA-1MPSU	28v 500-1000 amp Split Bus 115/200v 25 kw 3 phase 400 Hz 4 Wire, 30 kva 3500 psi 45 psia 1150 Air HP 117 lb/min 13 CFM
MA-2MPSU	30 kva AC 115/200v 3 phase 400 Hz AIR 110 lb/min @ 25 psi and 28v 500/1000 amp DC
RST-180	75 kva AC 115/200v 400 Hz AIR 145-155 lb/min @ 47-51 psi

(8) CARTRIDGE:

MXU-4A	USAF
MXU-129A	USAF
C	Series 9 and 10
CM	Type MXU/4/A/A
C1	Percussion Nr 1, Mk 1
C2	Initiating 1 PN, Nr 2, Mk 2
C3	Initiating 1 PN, Nr 2, Mk 3
C4	Electric Nr 5, Mk 2
C5	Electric Nr 9, Mk 2
C6	Electric Nr 10, Mk 3
C7	Electric Nr 14, Mk 2
F1	AVPIN Fluid
G-91	Cartridge (Shotgun)

23 FUEL - (Fuel, AvOil, supporting fluids/systems, and oxygen.) Fuel available through US Military Base supply, DESC Into-Plane Contracts (Fuel Only) and/or reciprocal agreement is listed first and is followed by (Mil). At commercial airports where Into-Plane contracts are in place, the name of the refueling agent is shown. Military fuel should be used first if it is available. When military fuel cannot be obtained but Into-Plane contract fuel is available, Government aircraft must refuel with the contract fuel and applicable refueling agent to avoid any breach in contract terms and conditions. Fuel not available through the above is shown preceded by NC (no contract). When fuel is obtained from NC sources, local purchase procedures must be followed.

The US Military Aircraft Identaplates DD Form 1896 (Jet Fuel), DD Form 1897 (Avgas) and AF Form 1245 (Avgas) are used at military installations only. The US Government Aviation Into-Plane Reimbursement (AIR) Card (currently issued by Multi Service Corporation (MSC)) is the instrument to be used to obtain fuel under a DESC Into-Plane Contract and for NC purchases if the refueling agent at the commercial airport accepts the AIR CARD. The crew member responsible for ordering, inspecting and accepting the fuel will certify on the ticket that the product type, quality, quantity, and other information is correct. If the AIR Card is electronically swiped, the data transmitted must be certified to be accurate by the appropriate crewmember.

Contractors with Into-Plane contracts are authorized to use commercial delivery receipts or the DD 1898 AVFUEL Sales slip. The responsible crewmember will certify on the ticket that the product type, quality, quantity, and price is correct. Should there be any question as to whether a contract exists at an individual location, a list of current contract locations is available online at:

<http://www.desc.dla.mil>

click "Commerical Airports" button

The Defense Energy Support Center, DESC/PH, Fort Belvoir, VA, can also be contacted by telephone at DSN 427-8500 or commercial (703) 767-8500. Request the Aviation Into-Plane Reimbursement (AIR) Card Program Manager.

a. **FUEL TYPES:** To determine usability and interchangeability of fuels (including fuels not listed); check the brand name, designation of the product available, and refer to: USAF TO 42B1-1-14 or USN current NAVAIR Inst 1034.1 and current NAVAIR Inst 10300.1 or US Army TB 55-9150-200-25.

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(1) US AVIATION FUELS (MIL SPECS)/COMMERCIAL AVIATION FUELS:

<u>FLIP CODE</u>	<u>GRADE</u>	<u>NATO CODE</u>	<u>EEFC</u>
80	(80/87 Mil spec) Grade 80 Gasoline (Red)	F-12	
100	Grade 100 Gasoline (Green)	None	
None	91/96 Octane Gasoline, leaded, No MIL Spec.	None	B91
100LL	(100/130 Mil spec) Grade 100 Gasoline Low Lead (Blue)	F-18	B95, B100
115	(115/145 Mil spec) (Purple)	F-22	BA
A	Jet A, Kerosene, without FS-II*, FP** minus 40°C	None	
A+	Jet A, Kerosene, with FS-II*, FP** minus 40°C	None	
A1	Jet A-1, Kerosene, without FS-II*, FP** minus 47°C	F-35	TS1
A1+	Jet A-1, Kerosene with FS-II*, FP** minus 47°C	F-34	
B	Jet B, Wide Cut, Turbine Fuel without FS-II*, FP** minus 50°C	None	
B+	Jet B, Wide Cut, Turbine Fuel with FS-II*, FP** minus 50°C	None	
J4 (JP4)	(JP-4 Mil spec) FP** minus 58°C	F-40	T2
J5 (JP5)	(JP-5 Mil spec) Kerosene with FS-II, FP** minus 46°C	F-44	T1, T5, T6, T7
J8 (JP8)	(JP-8 Mil spec) Jet A-1, Kerosene with FS-II*, FP** minus 47°C	F-34	
J8+100	(JP-8 Mil spec) Jet A-1, Kerosene with FS-II*, FP** minus 47°C, with fuel additive package that improves thermo stability characteristics of JP-8	None	
J	(Jet Fuel Type Unknown)		
* (Fuel System Icing Inhibitor)			
** (Freeze Point)			

(2) EASTERN EUROPE OIL CODES:

<u>FLIP CODE</u>	<u>DESIGNATION</u>	<u>NEAREST US EQUIVALENT (NEXT NEAREST)</u>
O-MK6	MK-6	MIL-O-6081B, Grade 1010 (1005)
O-MK8	MK-8	MIL-O-6081B, Grade 1010 (1005)
O-MK8P	MK-8P	MIL-O-6081B, Grade 1010 (1005)
O-MK22	MK-22	MIL-O-6082B, Grade 1100 (1065)
O-MS6	MS-6	MIL-O-6081B, Grade 1010 (1005)
O-MS24	MS-24	MIL-O-6081B, Grade 1100 (1065)

b. US AVIATION OILS (MIL SPECS):

<u>FLIP/NATO CODE</u>	<u>GRADE, TYPE</u>
O-113	1065, Reciprocating Engine Oil (MIL-L-6082)
O-117	1100, Reciprocating Engine Oil (MIL-L-6082)
O-117+	1100, O-117 plus cyclohexanone (MIL-L-6082)
O-123	1065, (Dispersant), Reciprocating Engine Oil (MIL-L-22851 Type III)
O-128	1100, (Dispersant), Reciprocating Engine Oil (MIL-L-22851 Type II)
O-132	1005, Jet Engine Oil (MIL-L-6081)
O-133	1010, Jet Engine Oil (MIL-L-6081)
O-147	None, MIL-L-6085A Lubricating Oil, Instrument, Synthetic
O-148	None, MIL-L-7808 (Synthetic Base) Turbine Engine Oil
O-149	None, Aircraft Turbine Engine Synthetic, 7.5c St
O-155	None, MIL-L-6086C, Aircraft, Medium Grade
O-156	None, MIL-L-23699 (Synthetic Base), Turboprop and Turboshaft Engines
JOAP	Joint Oil Analysis Program. JOAP support is furnished during normal duty hours, other times on request. (JOAP and SOAP programs provide essentially the same service, JOAP is now the standard joint service supported program)

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SOAP Spectrometric Oil Analysis Program. SOAP support is furnished during normal duty hours, other times on request.

c. SUPPORTING FLUIDS AND SYSTEMS:

FLIP CODE

ADI	Anti-Detonation Injection Fluid-Reciprocating Engine Aircraft
W	Water Thrust Augmentation-Jet Aircraft
WAI	Water-Alcohol Injection Type, Thrust Augmentation-Jet Aircraft
SP	Single Point Refueling
PRESAIR	Air Compressors rated 3,000 PSI or more
De-Ice	Anti-icing/De-icing/Defrosting Fluid (MIL-A-8243)

d. OXYGEN:

LPOX	Low pressure oxygen servicing.
HPOX	High pressure oxygen servicing.
LHOX	Low and high pressure oxygen servicing.
LOX	Liquid oxygen servicing.
OXRB	Oxygen replacement bottles. (Maintained primarily at Naval stations for use in act where oxygen can be replenished only by replacement of cylinders.)
OX	Indicates oxygen servicing when type of servicing is unknown.
NOTE:	Combinations of above items is used to indicate complete oxygen servicing available;
LHOXRB	Low and high pressure oxygen servicing and replacement bottles;
LPOXRB	Low pressure oxygen replacement bottles only, etc.
NOTE:	Aircraft will be serviced with oxygen procured under military specifications only. Aircraft will not be serviced with medical oxygen.

e. NITROGEN:

LPNIT	- Low pressure nitrogen servicing.
HPNIT	- High pressure nitrogen servicing.
LHNIT	- Low and high pressure nitrogen servicing.
NIT	- Indicates nitrogen servicing when type of servicing is unknown.

24 TRANSIENT ALERT (TRAN ALERT) - service is considered to include all services required for normal aircraft turn-around, e.g., servicing (fuel, oil, oxygen, etc.), debriefing to determine requirements for maintenance, minor maintenance, inspection and parking assistance of transient aircraft. Drag chute repack, specialized maintenance, or extensive repairs will be provided within the capabilities and priorities of the base. Delays can be anticipated after normal duty hours/holidays/weekends regardless of the hours of transient maintenance operation. Pilots should not expect aircraft to be serviced for TURN-AROUNDS during time periods when servicing or maintenance manpower is not available. In the case of airports not operated exclusively by US military, the servicing indicated by the remarks will not always be available for US military aircraft. When transient alert services are not shown, facilities are unknown. NO PRIORITY BASIS-means that transient alert services will be provided only after all the requirements for mission/tactical assigned aircraft have been accomplished.

25 REMARKS - which are pertinent are shown in order of applicability. Airport operating hours are listed first followed by the major headings-RESTRICTIONS (RSTD), CAUTION, TRAFFIC PATTERN (TFC PAT), NOISE ABATEMENT (NS ABTMT), CUSTOMS/AGRICULTURE/IMMIGRATION (CSTMS/AG/IMG), and MISCELLANEOUS (MISC). Remarks applicable to a tenant on the airport are shown as the last entry. Remarks are limited to information determined essential for operational use and are outlined in paragraph 25 a. If a special need exists for publication of data not covered, station commanders should forward request to the appropriate office (listed in Chapter 10 of FLIP General Planning) with full justification of operational need. Paragraph 25 b. contains data not normally published.

a. REMARKS CRITERIA

A-22 AIRPORT/FACILITY DIRECTORY LEGEND

(1) Conditions of a permanent or indefinite (60 days or more, 30 days for Europe) nature, regarding aeronautical facilities, procedures or hazards, knowledge of which is essential for safe and efficient operation of aircraft.

(2) Type of Restrictions:

(a) CLOSED (CLSD): When designated closed, the airport is restricted from use by all aircraft unless stated otherwise. Any closure applying to specific type of aircraft or operation will be so stated. USN/USMC/USAF airports are considered closed during non-operating hours. Closed airports may be utilized during an emergency provided there is a safe landing area.

(b) OFFICIAL BUSINESS ONLY (OFFL BUS ONLY) The airfield is closed to all transient military aircraft for obtaining routine services such as fueling, passenger drop off or pickup, practice approaches, parking, etc. The airfield may be used by aircrews and aircraft if official government business (including civilian) must be conducted on or near the airfield and PRIOR PERMISSION is received from the airfield manager.

(c) AF OFFL BUS ONLY OR NAVY OFFL BUS ONLY: Indicates that the restriction applies only to service indicated.

(d) PRIOR PERMISSION REQUIRED (PPR): Airport is closed to transient aircraft unless approval for operation is obtained from the appropriate commander through Chief, Airfield Management or Airfield Operations Officer. OFFL BUS ONLY or PPR does not preclude the use of US Military airports as an alternate for IFR flights. If a non-US military airport is used as a weather alternate and requires a PPR, the PPR must be requested and confirmed before the flight departs. The purpose of PPR is to control volume and flow of traffic rather than to prohibit it. Prior permission is required for all aircraft requiring transient alert service outside the published transient alert duty hours. All aircraft carrying hazardous materials must obtain prior permission as outlined in AFJI 11-204, AR 95-27, OPNAVINST 3710.7.

NOTE: OFFL BUS ONLY AND PPR restrictions are not applicable to Special Air Mission (SAM) or Special Air Resource (SPAR) aircraft providing person or persons on board are designated Code 6 or higher as explained in AFJMAN 11-213, AR 95-11, OPNAVINST 3722-8J. OFFL BUS ONLY or PPR do not preclude the use of the airport as an alternate for IFR flights.

(3) Obstructions to aircraft operations on or near the airport landing area.

(4) Occurrence or correction of defects or changes in the landing or operating area.

(5) Caution notes relating to extensive aircraft maneuvers which may affect air navigation, i.e., flight training, aircraft testing, flights of uncontrolled or unmanned aircraft.

(6) Traffic pattern data for those USAF, USN and US Army bases (including those on which the US Army is a tenant) that deviate from the standard.

(7) Helicopter approach and departure directions, traffic pattern/holding pattern altitudes.

(8) Special VFR arrival procedures (these may be included in their entirety or by reference to the actual location in the FLIP).

(9) Information on customs, agriculture, and immigration facilities in addition to information, if any, in the Foreign Clearance Guide. If an airport is designated an AOE or LRA, the Foreign Clearance Guide must be consulted.

(10) Seasonal availability.

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(11) When base commanders authorize the use of overruns for take-off purposes, a note to this effect may be shown.

b. DATA NOT NORMALLY PUBLISHED

(1) Any condition which is expected to remain in effect for less than 60 days (30 days for Europe). This includes: Presence or removal of hazardous conditions due to snow, ice, water or temporary obstructions on or adjacent to the landing area; remarks such as "runway slippery when wet", "do not use runway or taxiway", etc.

(2) Data regarding IFR arrival and departure procedures.

(3) Temporary shortages of certain types of fuel, starting equipment or other aircraft services.

(4) Data regarding closures or restrictions at stations due to air shows, close proximity to athletic events, etc.

(5) Data regarding availability of box lunches, hotel reservations, government transportation, billeting, VIP arrivals, etc.

(6) Instructions as to how to fly the VFR traffic pattern.

26 COMMUNICATIONS - consists of radio communications (call signs and frequencies) available. Applicable remarks follow appropriate entry.

27 FREQUENCIES - are listed in ascending order in groups following the call sign, e.g., LF/MF, VHF, UHF, HF (any suffix frequencies come last). The primary frequency (when known) will be listed first followed by the secondary. HF frequencies are AM unless otherwise indicated.

28 NAVAIDS - consists of radio aids to navigation which have the same name as the radio facility and/or airport, and different name radio aids to navigation which are located on the airport or are used to furnish final approach guidance on a published DoD instrument approach procedure (high or low) serving the airport. NAVAIDS "At Fld" are located less than 1 NM from the Airport Reference Point. When Bearing and Distance to Fld is used, it represents the magnetic bearing and nautical mile distance from the NAVAID to geographical coordinates shown in Item 7. Where VOR Test Facilities (VOT) are located, the designation VOT and frequency will follow the title "NAVAIDS". For stand-alone NAVAIDS in the continental U.S., "bearing and distance" may reference an airfield in the IFR-S or the VFR-S.
Additional capabilities:

AB Continuous automatic transcribed weather broadcast service.

B Scheduled Weather Broadcast.

CON CONSOLAN LF/MF long range navigational aid; acft must have beat freq oscillator.

D DOPPLER

DME(Y) . . TACAN Compatible Distance Measuring Equipment (formerly DMET). (Y) at VOR-DME stations indicates that TACAN must be placed in "Y" mode to receive distance information.

NSME . . . Non Standard Measuring Equipment, not TACAN compatible (formerly civil DME)

S Simultaneous range, homing and voice signals available.

TVOR. . . Low power terminal VOR.

VAR. . . . Visual-aural VHF range.

W. Without voice facilities.

Z VHF station location marker.

U Unknown

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29 NAVIGATION AID TYPE - will be shown in the following order: VORTAC (combination VOR and TACAN), VOR (VHF omnidirectional range), VOR-DME, TACAN (Tactical Air Navigation) (UHF pulse type omni range and (DME) Distance Measuring Equipment), UHF NDB, LF/MF NDB, L (Locator - An LF/MF NDB used as an aid to final approach), LOM (Compass locator station when installed at outer marker site), LMM (Compass locator station when installed at middle marker site), and VHF/UHF/DF (Direction Finder Service).

30 RADIO CLASS CODE - will be from the following list:

NDB, NDB-DME

MH - Non-directional radio beacon, power less than 50 watts (25 NM).

H - Non-directional radio beacon, power 50 watts to less than 2000 watts (50 NM).

HH - Non-directional radio beacon, power 2000 watts or more (75 NM).

VOR, VOR-DME, VORTAC, TACAN

HA - Normal anticipated interference-free service below 14,500' AGL - 40 NM; 14,500' - 60,000' AGL 100 NM (contiguous 48 states only); 18,000' - 45,000' AGL 130 NM.

L - Normal anticipated interference-free service 40 NM up to 18,000' AGL.

T - Normal anticipated interference-free service 25 NM up to 12,000' AGL.

U - Unknown.

31 NAVIGATION AID FREQUENCY - VORTAC and/or VOR-DME frequencies are shown with the VHF frequency preceding the Identification and the UHF channel following.

32 IDENTIFICATION - appropriate letter or numerical identifier.

33 FREQUENCY PROTECTION - from interference (where applicable), e.g., (40/50) where 40 indicates 40 NM and 50 indicates altitude in thousands of feet.

34 ELEVATION/VARIATION - is the elevation (MSL) and magnetic variation of the antenna. The airport elevation will be substituted when navaid elevation is unknown (applies to navaids at the field except NDB). The assigned antenna magnetic variation will be shown when available, and indicated by an (A) preceding the variation.

35 REMARKS - applicable remarks follow appropriate Navigation Aid entry. See ENAME, PAA, C&SA, and US IFR Supplement Section C, No-NOTAM PREVENTIVE MAINTENANCE PROCEDURES for weather restrictions.

36 ILS/RADAR - grouping shall consist of the availability of ILS, LOC, LDA, SDF, and RADAR. Pertinent remarks will be shown with the appropriate entry.

a. Instrument Landing System (ILS) used in an approved DoD Instrument Approach Procedure is indicated by the letters "ILS".

b. ILS not used in an approved DoD Instrument Approach Procedure is indicated by an arrowhead (➤) preceding the letters "ILS" followed by the appropriate data.

NOTE: Glide slope frequency is not shown when paired with localizer.

c. Airport Surveillance RADAR (ASR) and/or Precision Approach RADAR (PAR) with DoD approved minima is shown by the statement "RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA".

d. Stations with no approved DoD minima are shown by a ■ preceding the word "RADAR".

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e. Installations where IFF/SIF capability does not exist, or where IFF/SIF equipment has not passed an official flight check, will be indicated by the note "IFF/SIF svc not avbl" or "IFF gnd ck only awt flt ck".

37 LOW ALTITUDE FREQUENCIES - are shown in light type.

38 HIGH ALTITUDE FREQUENCIES - are shown in bold type. NOTE: Frequencies in entries containing UACC data only (high altitude) are shown in light type.

39 DISCRETE FREQUENCIES - are identified by the letter d preceding the frequency.

40 FREQUENCY DESIGNATIONS - an alphabetical sequence of services and/or sectors where specific frequencies are assigned, e.g., **ARR/DEP, EAST/WEST, RADAR**, etc., followed by the frequencies.

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ABBREVIATIONS

The following abbreviations/acronyms are those used within this supplement. Those preceded by an asterisk are new and will be added to the next issue of FLIP Flight Information Handbook (FIH). Refer to the FIH for a complete list of abbreviations and/or acronyms authorized for FLIP and NOTAM use, or to the Airport/Facility Directory Legend of this supplement for abbreviations/acronyms or codes not included here. Most of the abbreviations presented in this section are intended to represent grammatical variations of the basic term. (Example: "trans" may mean "transmit", "transmitting", "transmitted", "transmitter", or "transmits").

A

AA	Aruba	A/G	air/ground
AAF	Army Air Field	A-G	Arresting Gear
AAS	Airport Advisory Service	agcy	Agency
AB	Airbase	AGL	above ground level
abm	abeam	AHP	Army heliport
abv	above	ALS	Aeronautical Information Services
AC	Antigua & Barbuda	AJ	Azerbaijan
ACC	Air Combat Command; Area Control Center	AL	Albania
acft	aircraft	AL	Approach and Landing Chart
ACLS	Automatic Carrier Landing System	ALF	Auxiliary Landing Field
act	activity	ALS	Approach Light System
ADA	Advisory Area	ALSF-1	High Intensity ALS Category I configuration with sequenced Flashers (code)
ADCC	Air Defense Control Center	ALSF-2	High Intensity ALS Category II configuration with sequenced Flashers (code)
ADCUS	Advise Customs	alt	altitude
addn	addition	altn	alternate
ADF	Automatic Direction Finder	AM	Amplitude Modulation
adj	adjacent	AM	Armenia
admin	administration	AMC	Air Mobility Command
ADR	Advisory Route	amdtd	amendment
adv	advise	AMSL	Above Mean Sea Level
advsy	advisory	AN	Andorra
AE	United Arab Emirates	ANGS	Air National Guard Station
AEIS	Aeronautical Enroute Information Service	ant	antenna
AF	Afghanistan	AO	Angola
AFA	Army Flight Activity	AOE	Airport/Aerodrome of Entry
AFB	Air Force Base	AP	Area Planning
afct	affect	apch	approach
AFFF	Aqueous Film Forming Foam	apn	apron
AFHP	Air Force Heliport	APP	Approach Control
AFI	African/Indian Ocean (ICAO Region)	Apr	April
AFIS	Aerodrome Flight Information Service	aprx	approximate
afld	airfield	APU	Auxiliary Power Unit
AFOD	Army Flight Operations Detachment	apv	approve
AFR	Air Force Regulation	apvl	approval
AFRC	Armed Forces Reserve Center/ Air Force Reserve Command	AQ	American Samoa
AFRS	Armed Forces Radio Stations	AR	Argentina
AG	Agriculture	ARB	Air Reserve Base
AG	Algeria	ARCAL	(CANADA) Aircraft Radio Control of Aerodrome Lighting
		ARINC	Aeronautical Radio Inc.
		arng	arrange

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arpt. airport
 arr. arrive
 ARS. Air Reserve Station
 ARSA. Airport Radar Service Area
 ARSR. Air Route Surveillance Radar
 ARTCC. Air Route Traffic Control
 Center
 AS. Air Station
 AS. Australia
 ASAP. as soon as possible
 ASDA. Accelerate-Stop Distance
 Available
 ASDE. Airport Surface Detection
 asgn. assign
 ASL. Above Sea Level
 ASOS. Automated Surface Observing
 System
 ASR. Airport Surveillance Radar
 ASU. Aircraft Starting Unit
 AT. Ashmore & Cartier I
 ATA. Actual Time of Arrival
 ATC. Air Traffic Control
 ATCC. Air Traffic Control Center
 ATD. Actual Time of Departure;
 Along Track Distance
 ATIS. Automatic Terminal
 Information Service
 ATS. Air Traffic Service
 attn. attention
 AU. Austria
 Aug. August
 auth. authority
 auto. automatic
 AUW. All Up Weight (gross weight)
 aux. auxiliary
 AV. Anguilla
 AVASI. abbreviated VASI
 avbl. available
 AvGas. Aviation gasoline
 avn. aviation
 AvOil. aviation oil
 AWOS. Automatic Weather Observing
 System
 AWSS. Automated Weather Sensor
 System
 awt. await
 awy. airway
 AY. Antarctica
 az. azimuth

B

BA. Bahrain
 BA. braking action
 BASH. Bird Aircraft Strike Hazard
 BB. Barbados
 BC. back course
 BC. Botswana

bcn. beacon
 bcst. broadcast
 BD. Bermuda
 bdry. boundary
 BE. Belgium
 BF. The Bahamas
 BG. Bangladesh
 BH. Belize
 BK. Bosnia and Herzegovina
 BL. Bolivia
 bldg. building
 blkd. blocked
 blw. below
 BM. Burma
 BN. Benin
 BO. Belarus
 BOQ. Bachelor Officers Quarters
 BP. Solomon I
 BQ. Navassa I
 BR. Brazil
 brg. bearing
 BT. Bhutan
 btn. between
 BU. Bulgaria
 bus. business
 BV. Bouvet I
 BX. Brunei
 BY. Burundi
 byd. beyond

C

C. Commercial Circuit (Telephone)
 CA. Canada
 CAC. Centralized Approach Control
 cap. capacity
 CAR. Caribbean (ICAO Region)
 CAT. Clear Air Turbulence
 cat. category
 CB. Cambodia
 CCW or. counterclockwise
 cntclkws
 CD. Chad
 CE. Sri Lanka
 ceil. ceiling
 CERAP. Center Radar Approach
 Control
 CF. Congo
 CG. Democratic Republic of the
 Congo
 CGAF. Coast Guard Air Facility
 CGAS. Coast Guard Air Station
 CH. channel
 CH. China
 chan. channel
 CHAPI. Chase Helicopter Approach
 Path Indicator
 chg. change

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chtchart
CIChile, Easter I
circircle; circling
CISCommonwealth of
Independent States
civcivil; civilian
CJCayman I
ckcheck
CKCocos (Keeling) I
CLCenterline Lighting System
clclass
clncclearance
clsdclosed
CMCameroon
CNComoros
CNATRA....Chief of Naval Air Training
cnlcancel
cntrcenter
cntrlncenterline
COColombia
COCommanding Officer
CoCompany; County
comcommunication
comdcommand
ComdrCommander
comlcommercial
compul....compulsory
comsn.....commission
concconcrete
condcondition
constconstruction
contcontinue
convlconventional
coordcoordinate
copterhelicopter
corrcorrect
CQNorthern Mariana I
CRCoral Sea I
crdrcorridor
croscross
CRPCompulsory Reporting Point
crscourse
CScall sign
CSCosta Rica
CSTMSCustoms
CTCentral African Republic
CTAControl Area
CTAFCommon Traffic Advisory
Frequency
ctccontact
ctlcontrol
CTLZControl Zone
CUCuba
CVCape Verde
CVFRControlled Visual Flight Rules
Areas

CWClockwise; Continuous Wave;
Carrier Wave
CWCook I
CYCyprus

D

DADenmark
daylt.....daylight
dbdecibel
DecDecember
decomdecommission
degdegree
depdepart
DEPDeparture Control
destn.....destination
detdetachment
DFDirection Finder
DHDecision Height
direc.....directional
disem.....disseminate
displ.....displace
distdistrict; distance
divdivision
DJDjibouti
DLDirect Line to FSS
dltdelete
dlydaily
DMEDistance Measuring Equipment
(UHF standard, TACAN
compatible)
DNVT.....Digital Non-Secure Voice
Telephone
DODominica
DoDDepartment of Defense
DQJarvis I
DRDominican Republic
drctdirect
DSNDefense Switching Network
DTDaylight Savings Time
durduring
DVDistinguished Visitor

E

EEast
eaeach
EATExpected Approach Time
ECEcuador
ECNEnroute Change Notice
effeffect
EGEgypt
E-HAEnroute High Altitude
EIIreland
EKEquatorial Guinea
E-LAEnroute Low Altitude
elevelevation
EMASEngineered Material Arresting
System

AIRPORT/FACILITY DIRECTORY LEGEND A-29

emerg. emergency
 EN Estonia
 eng engine
 EOR End of Runway
 eqpt equipment
 ER Eritrea
 ERDA Energy Research and
 Development Administration
 ES El Salvador
 E-S Enroute Supplement
 est estimate
 estab establish
 ET Ethiopia
 ETA Estimated Time of Arrival
 ETD Estimated Time of Departure
 ETE Estimated Time Enroute
 ETS European Telephone System
 EU Europa I
 EUR European (ICAO Region)
 ev every
 evac evacuate
 exc except
 excld. exclude
 exer exercise
 exm exempt
 exp expect
 extn extend; extension
 extv extensive
 EZ Czech Republic

F

FAA Federal Aviation
 Administration
 fac. facility
 FAWS Flight Advisory Weather
 Service
 fax facsimile
 FBO Fixed Base Operator
 FCC Flight Control Center
 FCG Foreign Clearance Guide
 FCLP field carrier landing practice
 fcst forecast
 Feb February
 FG French Guiana
 FI Finland
 FIC Flight Information Center
 FIH Flight Information Handbook
 FIR Flight Information Region
 FIS Flight Information Service
 FJ Fiji
 FK Falkland I incl South Georgia I
 and South Sandwich I
 FL flight level
 fld field
 flg flashing
 FLIP Flight Information Publication
 flt flight

flw follow
 FM Federated States of Micronesia
 FM Fan Marker, Frequency
 Modulation
 FO Faroe I
 FOC Flight Operations Center
 FOD Foreign Object Damage
 fone telephone
 FP French Polynesia
 fpm. feet per minute
 FQ Baker I
 FR France, Corsica
 fr from
 freq frequency; frequent
 Fri Friday
 frng firing
 FS French Southern & Antarctic I
 FSC Flight Service Center
 FSS Flight Service Station
 ft foot
 ftr fighter
 F/W Fixed Wing

G

GA Gambia
 GA Glide Angle
 gal gallon
 GAT General Air Traffic (Europe-
 Asia)
 GB Gabon
 GCA Ground Control Approach
 GCO Ground Communication Outlet
 GG Georgia
 GH Ghana
 GI Gibraltar
 GJ Grenada
 GK Guernsey
 GL Greenland
 gldr glider
 GM Germany
 gnd. ground
 GND Ground Control
 GO Glorioso I
 govt government
 GP Glide Path
 Gp Group
 GP Guadeloupe
 GPI Ground Point of Intercept
 GQ Guam
 GR Greece, Crete
 grad gradient
 grd guard
 GS glide slope
 GT Guatemala
 GV Guinea
 GWT gross weight
 GY Guyana

A-30 AIRPORT/FACILITY DIRECTORY LEGEND

GZ	Gaza Strip	ICAO	International Civil Aviation Organization
H		ID	Indonesia
H	Enroute High Altitude Chart (followed by identification)	ident	identification
H+	Hours or hours plus . . . minutes past the hour	IFF	Identification, Friend or Foe
H24	continuous operation	IFR	Instrument Flight Rules
HA	Haiti	IFR-S	FLIP IFR Supplement
HAA	Height Above Airport/ Aerodrome	IFSS	International Flight Service Station
HAL	Height Above Landing Area	IM.	Inner Marker
HAR	Height Above Runway	IM.	Isle of Man/Ronaldsway
HAT	Height Above Touchdown	IMC	Instrument Meteorological Conditions
haz	hazard	IMG	Immigration
hdg.	heading	immed	immediate
HDTA	High Density Traffic Airport/ Aerodrome	IN	India
HF	High Frequency (3000 to 30,000 KHz)	inactv	inactive
hgr	hangar	inbd	inbound
hgt	height	Inc	Incorporated
HI	Hawaii	incl	include
hi	high	indef.	indefinite
HIRL	High Intensity Runway Lights	info.	information
HIWAS	Hazardous Inflight Weather Advisory Service	inop	inoperative
HK	Hong Kong	inst	instrument
HKSAR	Hong Kong Special Administrative Region	instl	install
HM	Heard I & McDonald I	instr	instruction
HO	Honduras	int.	intersection
HO	Service available to meet operational requirements	intcntl.	intercontinental
hol	holiday	intcp.	intercept
HOLF	Helicopter Outlying Field	intl	international
hosp.	hospital	intmt	intermittent
HQ	Headquarters	ints.	intense
HQ	Howland I	IO	British Indian Ocean Territory (Diego Garcia)
HR	Croatia	IP	Clipperton I
hr	hour	IR	Iran
HS	Service available during hours of scheduled operations	IS	Israel
hsg	housing	ISMLS	Interim Standard Microwave Landing System
HU	Hungary	IT	Italy, Sardinia, and Sicily
hvy	heavy	IV	Ivory Coast
HW	Heavy Weight	IZ	Iraq
hwy.	highway	J	
HX	station having no specific working hours	JA	Japan, Bonin I, Volcano I, Minami-Torishima I, Ryukyu I and Okinawa
Hx	Hertz (cycles per second)	Jan	January
I		JATO	Jet Assisted Take-Off
I	Island	JE	Jersey
IAS	Indicated Air Speed	JM	Jamaica
IAW	in accordance with	JN	Jan Mayen
IC	Iceland	JO	Jordan
		JOAP	Joint Oil Analysis Program
		JOSAC	Joint Operational Support Airlift Center
		JQ	Johnston Atoll

AIRPORT/FACILITY DIRECTORY LEGEND A-31

JRB Joint Reserve Base
 JU Juan De Nova I
 Jul. July
 Jun June

K

K or Kt Knots
 KE Kenya
 KG Kyrgyzstan
 kHz kilohertz
 KIAS Knots Indicated Airspeed
 KLIZ Korea Limited Identification
 Zone
 km Kilometer
 KN Korea, Dem. Peoples Rep. of
 (North)
 KQ Kingman Reef
 KR Kiribati (Butaritari, Canton,
 Christmas I, and Tarawa)
 KS Korea, Republic of (South)
 KT Christmas I
 KU Kuwait
 kw kilowatt
 KZ Kazakhstan

L

L Compass locator (Component
 of ILS system) under 25 Watts,
 15 NM; Enroute Low Altitude
 Chart (followed by
 identification)
 L Local Time
 LA Laos
 LAOE Limited Airport of Entry
 LAWRS Limited Aviation Weather
 Reporting Station
 lb pound (weight)
 lcl local
 LCP French Peripheral Classification
 Line
 lctd located
 lctn location
 lctr locator
 LCVASI Low Cost Visual Approach
 Slope Indicator
 lczr localizer
 LDA Landing Distance Available
 ldg landing
 LDIN Lead-in Lights
 LE Lebanon
 len length
 LG Latvia
 lgt light
 lgtd lighted
 LH Lithuania
 LI Liberia
 LIRL Low Intensity Runway Lights

LLWAS Low-Level Wind Shear Alert
 System
 LLZ Localizer (Instrument Approach
 Procedures Identification only)
 lo low
 LO Slovakia
 LoALT or LA Low Altitude
 LOC Localizer (For Instrument
 Approach Procedures only)
 LQ Palmyra Atoll
 LR Long Range; Lead Radial
 LRA Landing Rights Airport
 LS Liechtenstein
 LSB lower side band
 LT Lesotho
 ltd limited
 LU Luxembourg
 LY Libya

M

M meters, magnetic (after a
 bearing); Military Circuit
 (Telephone)
 MA Madagascar
 MACC Military Area Control Center
 mag magnetic
 maint maintain; maintenance
 maj major
 MALS Medium Intensity Approach
 Lighting System
 MALSF MALS with Sequenced Flashers
 MALSR MALS with Runway Alignment
 Indicator Lights
 Mar March
 MARA Military Activity Restricted
 Area
 MATO Military Air Traffic Operations
 MATZ Military Aerodrome Traffic
 Zone
 max maximum
 MB Martinique
 mb millibars
 MC Macau
 MCAC Military Common Area Control
 MCAF Marine Corps Air Facility
 MCALF Marine Corps Auxiliary Landing
 Field
 MCAS Marine Corps Air Station
 MCB Marine Corps Base
 MCC Military Climb Corridor
 MCOLF Marine Corps Outlying Field
 MD Moldova
 MDA Minimum Descent Altitude
 MEA Minimum Enroute Altitude
 med medium
 MEHT Minimum Eye Height over
 Threshold

A-32 AIRPORT/FACILITY DIRECTORY LEGEND

mem memorial
MET Meteorological; Meteorology
METAR Aviation Routine Weather
Report (in international MET
figure code)
METRO Pilot-to-Metro voice call
MF Mayotte
MF Medium Frequency (300 to
3000 KHz);
Mandatory Frequency (Canada)
MFA Minimum Flight Altitude
MG Mongolia
mgr manager
MH Montserrat
MHz Megahertz
ML Malawi
MID/ASIA Middle East/Asia (ICAO
Region)
MIJI Meaconing, Intrusion,
Jamming, and Interference
mil military
min minimum; minute
MIRL Medium Intensity Runway
Lights
misl missile
MK The former Yugoslav
Republic of Macedonia
mkr marker (beacon)
ML Mali
MLS Microwave Landing System
MM Middle Marker, ILS
MMLS Mobile Microwave Landing
System
MN Monaco
mnt monitor
MO Morocco
MOA Military Operations Area
MOCA Minimum Obstruction
Clearance Altitude
mod modify
Mon Monday
MP maintenance period
MP Mauritius
MQ Midway I
MR Mauritania
MR Medium Range
MRA Minimum Reception Altitude
mrk mark; marker
msg message
MSL Mean Sea Level
msn Mission
MT Malta
mt mount; mountain
MTAF Mandatory Traffic Advisory
Frequency
MTCA Military Terminal Control Area
mthly monthly

MU Oman
MUAC Military Upper Area Control
muni municipal
MV Maldives
MX Mexico
MY Malaysia
MZ Mozambique

N

N North
N/A not applicable
NA not authorized (For Instrument
Approach Procedure take-off
and alternate MINIMA only)
NAAS Naval Auxiliary Air Station
NADC Naval Air Development Center
NADEP Naval Air Depot
NAES Naval Air Engineering Station
NAF Naval Air Facility
NALO Navy Air Logistics Office
NALF Naval Auxiliary Landing Field
NAS Naval Air Station
NAT North Atlantic (ICAO Region)
natl national
nav navigation
navaid navigation aid
NAVMTO Navy Material Transportation
Office
NAWC Naval Air Warfare Center
NAWS Naval Air Weapons Station
NC New Caledonia
NCRP Non-Compulsory Reporting
Point
NDB Non-Directional Radio Beacon
NE Niue
NE Northeast
nec necessary
NEW Net Explosives Weight
NF Norfolk I
NG Niger
ngt night
NH Vanuatu
NI Nigeria
NL Netherlands
NM nautical miles
nml normal
NO Norway
No or Nr number
NOLF Naval Outlying Field
NORDO Lost communications or no
radio installed/available in
aircraft
NOTAM Notice to Airmen
Nov November
NP Nepal
NR Nauru
Nr or No number

AIRPORT/FACILITY DIRECTORY LEGEND A-33

NS Naval Station
 NS Suriname
 NSA Naval Support Activity
 NS ABTMT ... Noise Abatement
 NSF Naval Support Facility
 nstd nonstandard
 NT Netherlands Antilles
 ntc notice
 NU Nicaragua
 NVD Night Vision Devices
 NW Northwest
 NWC Naval Weapons Center
 NZ New Zealand

O

O/A On or about
 OAT Operational Air Traffic
 obsn observation
 obst obstruction
 OCA Oceanic Control Area
 ocnl occasional
 Oct October
 ODALS Omnidirectional Approach
 Lighting System
 OIC Officer In Charge
 ODO Operations Duty Officer
 offl official
 OLF Outlying Field
 OLS Optical Landing System
 OM Outer Marker, ILS
 opr operate; operator
 OPS Operations
 O/R on request
 orig original
 OROCA Off Route Obstruction
 Clearance Altitude
 ORTCA Off Route Terrain Clearance
 Altitude
 O/S out of service
 OT other times
 outbd outbound
 ovft overflight
 ovrn overrun
 OX oxygen

P

PA Paraguay
 PAC Pacific (ICAO Region)
 PALS Precision Approach and
 Landing System (NAVY)
 PAPI Precision Approach Path
 Indicator
 PAR Precision Approach Radar
 para paragraph
 parl parallel
 pat pattern
 PAX Passenger

PC Pitcairn I
 PE Peru
 pent penetrate
 perm permanent
 perms permission
 pers personnel
 PF Parcel I
 PFC Porous Friction Courses
 PG Spratly I
 PJE Parachuting Activities/
 Exercises
 PK Pakistan
 P/L plain language
 PL Poland
 p-line pole/power line
 PM Panama
 PM Post meridian, noon til
 midnight
 PMRF Pacific Missile Range Facility
 PMSV Pilot-to-Metro Service
 PN prior notice
 PO Portugal, incl Azores and
 Madeira I
 POB persons on board
 POL Petrol, Oils and Lubricants
 posn position
 PP Papua New Guinea
 PPR Prior Permission Required
 prcht parachute
 pref prefer
 prev previous
 prim primary
 PRM Precision Runway Monitor
 prk park
 pro procedure
 proh prohibited
 PS Republic of Palau
 pt point
 PTD Pilot to Dispatcher
 PU Guinea-Bissau
 pub publication
 publ publish
 PVASI Pulsating Visual Approach
 Slope Indicator
 pvt private
 pwr power

Q

QA Qatar
 QFE Altimeter Setting above station
 QNE Altimeter Setting of 29.92
 inches which provides height
 above standard datum plane
 QNH Altimeter Setting which
 provides height above mean
 sea level
 qtrs quarters

A-34 AIRPORT/FACILITY DIRECTORY LEGEND

quad.....quadrant

R

R-AOE.....Regular Airport of Entry
RACON.....Radat Beacon
rad.....radius; radial
RAIL.....Runway Alignment Indicator
Lights
RAMCC.....Regional Air Movement
Control Center
RAPCON.....Radat Approach Control
(USAF)
RATCF.....Radat Air Traffic Control
Facility (Navy)
RCAG.....Remote Center Air to Ground
Facility
RCL.....runway centerline
RCLS.....Runway Centerline Light
System
RCO.....Remote Communications
Outlet
rcpt.....reception
RCR.....Runway Condition Reading
rcv.....receive
rcvr.....receiver
rdo.....radio
RE.....Reunion
reconst.....reconstruct
reful.....refueling
reg.....regulation; regular
REIL.....Runway End Identifier Lights
rel.....reliable
relctd.....relocated
REP.....Reporting Point
req.....request
RETIL.....Rapid Exit Taxiway Indicator
Light
Rgn.....Region
Rgnl.....Regional
rgt.....right
rlgd.....realigned
RM.....Republic of the Marshall I
rmk.....remark
rng.....range; radio range
RNP.....Required Navigation
Performance
RO.....Romania
RON.....Remain Overnight
Rot Lt or Bcn.....Rotating Light or Beacon
RP.....Philippines
RPI.....Runway Point of Intercept
rpt.....report
RQ.....Puerto Rico
rqr.....require
RR.....Railroad
RRP.....Runway Reference Point
RS.....Russia

RSDU.....Radat Storm Detection Unit
RSRS.....Reduced Same Runway
Separation
rstd.....restricted
R/T.....Radiotelephony
rte.....route
ruf.....rough
RVR.....Runway Visual Range
RVSM.....Reduced Vertical Separation
Minima
R/W.....Rotary/Wing
RW.....Rwanda
rwy.....runway

S

S.....South
SA.....Saudi Arabia
SALS.....Short Approach Lighting
System
SAR.....Search and Rescue
Sat.....Saturday
SAVASI.....Simplified Abbreviated Visual
Approach Slope Indicator
SAWRS.....Supplement Aviation Weather
Reporting Station
SB.....St. Pierre & Miquelon
sby.....standby
SC.....St. Kitts & Nevis
Sched.....scheduled services
sctr.....sector
S/D.....Seadrome
SDF.....Simplified Directional Facility
SE.....Seychelles
SE.....Southeast
sec.....second; section
secd.....secondary
SELCAL.....Selective Calling System
SEng.....Single Engine
Sep.....September
SF.....South Africa
SFA.....Single Frequency Approach
sfc.....surface
SFL.....Sequence Flashing Lights
SG.....Senegal
SH.....St. Helena, incl Ascension I
SI.....Slovenia
SID.....Standard Instrument Departure
SIF.....Selective Identification Feature
sked.....schedule
SL.....Sierra Leone
SM.....San Marino
SM.....statute miles
SN.....Singapore
SO.....Somalia
SOAP.....Spectrometric Oil Analysis
Program
SOF.....Supervisor of Flying

AIRPORT/FACILITY DIRECTORY LEGEND A-35

SP Spain, incl Canary I
 SR Sunrise
 SRE Surveillance Radar Element of
 GCA (Instrument Approach
 Procedures Identification only)
 SS Sunset
 SSALS/R Simplified Short Approach
 Lighting System/with RAIL
 SSB Single Sideband
 SSR Secondary Surveillance Radar
 ST St. Lucia
 std standard
 stn station
 stor storage
 str-in Straight-in
 stu student
 SU Sudan
 subj subject
 sum summer
 Sun Sunday
 sur surround
 survl survival; surveillance
 suspd suspended
 SV Svalbard
 svc service
 svcg servicing
 SW Southwest
 SW Sweden
 SY Syria
 sys system
 SZ Switzerland

T

TA Transition Altitude
 TAF Aerodrome (terminal or
 alternate) forecast in
 abbreviated form
 TALCE Tanker Aircraft Control
 Element
 TCA Terminal Control Area
 TCH Threshold Crossing Height
 TCTA Transcontinental Control Area
 TD Touchdown
 TD Trinidad and Tobago
 TDWR Terminal Doppler Weather
 Radar
 TDZ Touchdown Zone
 TDZL Touchdown Zone Lights
 TE Tromelin I
 tfc traffic
 TH Thailand
 thld threshold
 thou thousand
 thru through
 Thu Thursday
 TI Tajikistan
 til until

TK Turks & Caicos I
 tkof take-off
 TL Tokelau
 TLv Transition Level
 tmpry temporary
 TN Tonga
 TO Togo
 TODA Take-Off Distance Available
 TORA Take-Off Run Available
 TP Sao Tome and Principe
 TP Tire Pressure
 TRACON Terminal Radar Approach
 Control (FAA)
 tran transient
 trans transmit
 trml terminal
 trng training
 trns transition
 TRSA Terminal Radar Service Area
 TS Tunisia
 TT East Timor
 TU Turkey
 Tue Tuesday
 TV Television
 TV Tuvalu I
 TW Taiwan
 TWEB Transcribed Weather Broadcast
 twr tower
 twy taxiway
 TX Turkmenistan
 TZ United Republic of Tanzania

U

UACC Upper Area Control Center
 (used outside US)
 UCN Urgent Change Notice
 UDA Upper Advisory Area
 UDF Ultra High Frequency Direction
 Finder
 UFN until further notice
 UG Uganda
 UHF Ultra High Frequency (300 to
 3000 MHz)
 UK United Kingdom
 UIR Upper Flight Information
 Region
 unauthd unauthorized
 unavl unavailable
 unctl uncontrolled
 unk unknown
 unlgtd unlighted
 unltd unlimited
 unmrk unmarked
 unmto unmonitored
 unrel unreliable
 unrstd unrestricted
 unsatfy unsatisfactory

A-36 AIRPORT/FACILITY DIRECTORY LEGEND

unskedunscheduled
unsvcunserviceable
unuseunusable
UPUkraine
USUnited States
USAUnited States Army
USAFUnited States Air Force
USBUpper Side Band
USCGUnited States Coast Guard
USNUnited States Navy
UTAUpper Control Area
UTCCoordinated Universal Time
UVBurkina Faso
UYUruguay
UZUzbekistan

V

VDefense Switching Network
(telephone, formerly
AUTOVON)
VALVisiting Aircraft Line
VASIVisual Approach Slope
Indicator
VCSt. Vincent and the Grenadines
vcntyvicinity
VDFVery High Frequency Direction
Finder
VEVenezuela
vehvehicle
vertvertical
VFRVisual Flight Rules
VFR-SFLIP VFR Supplement
VHFVery High Frequency (30 to 300
MHz)
VIVirgin I (UK)
VIPVery Important Person
visvisibility
VMVietnam
VMCVisual Meteorological
Conditions
VOLMETMeteorological Information for
Aircraft in Flight
VOTVOR Receiver Testing Facility

VQVirgin I (US)
V/STOLVertical and Short Take-off and
Landing aircraft
VTVatican City

W

WWarning Area (followed by
identification); Watts; West;
White
WANamibia
WCHWheel Crossing Height
WEWest Bank
WedWednesday
WFWallis and Futuna I
WgWing
WIWestern Sahara
WIEwith immediate effect
winwinter
WIPwork in progress
wkweek
wkdweekday
wklyweekly
wngwarning
wowithout
WQWake I
WSWestern Samoa
WSPWeather System Processor
wtweight
wxweather
WZSwaziland

Y

ydyard
YISerbia and Montenegro
YMYemen
yryear

Z

ZGreenwich Mean Time (time
groups only)
ZAZambia
ZIZimbabwe

SECTION B

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B-2 AIRPORT/FACILITY DIRECTORY

CITY/AIRPORT CROSS REFERENCE

Listing of airports in the Airport/Facility Directory are by the airport name. The following city/airport cross reference listing provides alphabetical listings by city to cover those specific instances where the two names differ, and where the city name is not the first part of the airport name. City names are in capitals and lower case followed by the state/country abbreviation. Airport names are in capitals.

A

Aberdeen, UK DYCE
Adana, TU INCIRLIK AB
Adrar, AG TOUAT CHEIKH SIDI MOHAMED
BELKEBIR
Agades, NG MANU DAYAK
Agadir, MO AL MASSIRA
Agadir, MO INEZGANE
Agen, FR LA GARENNE
Agnone, SZ LUGANO
Ajaccio, FR CAMPO DELL ORO
Al Bakr, IZ BALAD SOUTHEAST
Al Dawadmi, SA PRINCE SALMAN BIN
ABDULAZIZ
Al Hoceima, MO CHERIF EL IDRISI
Al Hudaydah, YM HODEIDAH INTL
Al Kharj, SA PRINCE SULTAN AB
Al Kut, IZ UBAYDAH BIN AL JARRAH
Al Zarqa Island, AE ZIRKU
Albert, FR BRAY
Albi, FR LE SEQUESTRE
Ales, FR DEAUX
Alesund, NO VIGRA
Alexandria, EG BORG EL ARAB INTL
Alexandroupolis, GR DIMOKRITOS
Alger, AG HOUARI BOUMEDIENE
Almiros, GR NEA ANCHIALOS
Altenrhein, SZ ST GALLEN ALTENRHEIN
Amiens, FR GLISY
Amman, JO MARKA INTL
Amman, JO QUEEN ALIA INTL
Amsterdam, NL SCHIPHOL
Ancona, IT FALCONARA
Angers, FR MARCE
Angouleme, FR BRIE CHAMPNIERS
Ankara, TU AKINCI
Ankara, TU ESENBOGA
Ankara, TU ETIMESGUT
Ankara, TU GUVERCINLIK
Annecy, FR MEYTHET
Antwerpen, BE DEURNE
Arcachon, FR LA TESTE DE BUCH
Arnhem, NL DEELEN
Athina, GR ELEFTHERIOS VENIZELOS INTL
Aubenas, FR ARDECHE MERIDIONALE

Auch, FR LAMOTHE
Autun, FR BELLEVUE
Auxerre, FR BRANCHES
Avignon, FR CAUMONT

B

Badajoz, SP TALAVERA LA REAL
Baghdad, IZ WASHINGTON AHP
Baia Mare, RO TAU II MAGHERAUS
Baldonnel, EI CASEMENT
Bamako, ML SENOU
Barrow, UK WALNEY ISLAND
Basel Mulhouse SZ, FR BALE MULHOUSE
Bastia, FR PORETTA
Beaune, FR CHALLANGES
Beauvais, FR TILLE
Beek, NL MAASTRICHT
Beer-Sheva, IS TEYMAN
Beirut, LE RAFIC HARIRI INTL
Bejaia, AG SOUMMAM
Belfast, UK ALDERGROVE
Belfast, UK CITY
Belgrade, YI BEOGRAD
Benghazi, LY BENINA
Bergen, NO FLESAND
Bergerac, FR ROUMANIERE
Berlin, GM SCHONEFELD
Berlin, GM TEGEL
Berlin, GM TEMPELHOF
Besancon, FR LA VEZE
Beziers, FR VIAS
Biarritz/Bayonne, FR ANGLET
Biella, IT BIELLA CERRIONE
Bierset, BE LIEGE
Binsfeld, GM SPANGDAHLEM AB
Blois, FR LE BREUIL
Bordeaux, FR MERIGNAC
Bourg, FR CEYZERIAT
Bratislava, LO M R STEFANIK
Breda, NL GILZE RIJEN
Brekstad, NO ORLAND
Brescia, IT MONTICHIARI
Brest, FR GUIPAVAS
Brindisi, IT CASALE
Bristol, UK BRISTOL FILTON

AIRPORT/FACILITY DIRECTORY B-3

Brive, FR LA ROCHE
Brno, EZ TURANY
Bronnoysund, NO BRONNOY
Brusten, BE SINT TRUIDEN
Bucuresti, RO AUREL VLAICU
Bucuresti, RO HENRI COANDA
Budapest, HU FERIEGY
Bydgoszcz, PL SZWEDEROWO

C

Caen, FR CARPIQUET
Cagliari, IT ELMAS
Cahors, FR LALBENQUE
Calvi, FR SAINT CATHERINE
Cambrai, FR EPINOY
Cannes, FR MANDELIEU
Carcassonne, FR SALVAZA
Casablanca, MO MOHAMMED V
Casteau, BE CHIEVRES AB
Castres, FR MAZAMET
Catania, IT CATANIA FONTANAROSSA
Catania, IT SIGONELLA
Chalon, FR CHAMPPORGEUIL
Chalons, FR VATRY
Chambery, FR AIX LES BAINS
Chambery, FR CHALLES LES EAUX
Chania, GR SOUDA
Charleroi, BE BRUSSELS SOUTH
Chateauroux, FR DEOLS
Chaumont, FR SEMOUTIERS
Cherbourg, FR MAUPERTUS
Cholet, FR LE PONTREAU
Clermont Ferrand, FR AUVERGNE
Cognac, FR CHATEAUBERNARD
Colmar, FR HOUSSEN
Colmar, FR MEYENHEIM
Cologne, GM KOLN BONN
Constantine, AG MOHAMED BOUDIAF INTL
Copenhagen, DA KASTRUP
Copenhagen, DA ROSKILDE
Coulommiers, FR VOISINS
Cuers, FR PIERREFEU
Cuneo, IT LEVALDIGI
Czestochowa, PL RUDNIKI

D

Dammam, SA KING FAHD INTL
Deauville, FR ST GATIEN
Dekelia, GR TATOI
Den Helder, NL DE KOOY
Dhahran, SA KING ABDULAZIZ AB
Dijon, FR LONGVIC
Djanet South, AG TISKA

Dole, FR TAVAUUX

E

El Oued, AG GUEMAR
Elgin, UK KINLOSS
Enniskillen, UK ST ANGELO
Enschede, NL TWENTHE
Epinal, FR MIRECOURT
Errachidia, MO MOULAY ALI CHERIF
Essaouira, MO MOGADOR
Etain, FR ROUVRES
Evreux, FR FAUVILLE

F

Fagernes, NO LEIRIN
Farsund, NO LISTA
Fes, MO SAISS
Figari, FR SUD CORSE
Foggia, IT GINO LISA

G

Garmisch, GM SHERIDAN BARRACKS
LANDING AREA
Gaziantep, TU OGUZELI
Gdansk, PL LECHA WALESY
Geilo, NO DAGALI
Genova, IT GENOVA SESTRI
Ghardaia, AG NOUMERAT
Gloucester/Cheltenham, UK
GLOUCESTERSHIRE
Goteborg, SW LANDVETTER
Goteborg, SW SAVE
Granada, SP ARMILLA
Graulhet, FR MONTDRAGON
Grenoble, FR SAINT GEOIRS
Groningen, NL EELDE
Guiscriff, FR SCAER

H

Hafr Al Batin, SA QAISUMAH
Hafr Al-Batin, SA KING KHALED MILITARY
CITY
Hahn, GM FRANKFURT HAHN
Harstad and Narvik, NO EVENES
Hassi Messaoud, AG OUED IRARA
Haugesund, NO KARMOY
Heerlen Brunssum, NL BRUNSSUM AFCEINT
HELIPORT
Heidenheim an der Brenz, GM AALEN
HEIDENHEIM ELCHINGEN
Hofn, IC HORNAFJORDUR
Holstebro, DA LINDTORP
Hurghada, EG EL GONA

B-4 AIRPORT/FACILITY DIRECTORY

Hyeres, FR LE PALYVESTRE

I

Iraklion, GR NIKOS KAZANTZAKIS

Istanbul, TU ATATURK

Istanbul, TU SABIHA GOKCEN

Istanbul, TU SAMANDIRA

Istres, FR LE TUBE

Izmir, TU ADNAN MENDERES

Izmir, TU EFES

Izmir, TU GAZIEMIR

Izmir, TU KAKLIC

J

Jazan, SA KING ABDULLAH BIN ABDULAZIZ

Jeddah, SA KING ABDULAZIZ INTL

Jerba, TS ZARZIS

K

Kaliningrad, RS KHRABROVO

Kano, NI MALLAM AMINU INTL

Karaj, IR NAJA

Karaj, IR PAYAM

Kastoria, GR ARISTOTELIS

Katowice, PL MUCHOWIEC

Katowice, PL PYRZOWICE

Kaunas, LH S DARIAUS

Kavala, GR AMIGDHALEON

Kavala, GR MEGAS ALEXANDROS INTL

Kayseri, TU ERKILET

Kerkira, GR IOANNIS KAPODISTRIAS INTL

Kermanshah, IR SHAHID ASHRAFI
ESFAHANI

Khamis Mushait, SA KING KHALED AB

Kirkenes, NO HOYBUKTMOEN

Kortrijk, BE WEVELGEM

Kozani, GR FILIPPOS

Krakow, PL BALICE

Kristiansand, NO KJEVIK

Kristiansund, NO KVERNBERGET

Krk Island, HR RIJEKA

L

La Baule, FR ESCOUBLAC

La Roche-Sur-Yon, FR LES AJONCS

La Rochelle, FR ILE DE RE

Laayoune, WI HASSAN I

Lakselv, NO BANAK

Landstuhl, GM RAMSTEIN AB

Lanveoc, FR POULMIC

Las Palmas, SP GRAN CANARIA

Latakia, SY BASSEL AL ASSAD INTL

Laval, FR ENTRAMMES

Le Havre, FR OCTEVILLE

Le Luc, FR LE CANNET

Le Mans, FR ARNAGE

Le Puy, FR LOUDES

Leiden, NL VALKENBURG

Leiria, PO MONTE REAL

Libourne, FR ARTIGUES DE LUSSAC

Lille, FR LESQUIN

Limerick, EI SHANNON

Limoges, FR BELLEGARDE

Linkoping, SW MALMEN

Linkoping, SW SAAB

Ljungby, SW FERINDE

Lodz, PL LUBLINEK

London, UK CITY

London, UK GATWICK

London, UK HEATHROW

London, UK STANSTED

Lorient, FR LANN BIHOUE

Lulea, SW KALLAX

Lurcy, FR LEVIS

Luxeuil, FR SAINT SAUVEUR

Luzern, SZ EMMEN

Lyon, FR BRON

Lyon, FR SAINT EXUPERY

M

Macon, FR CHARNAY

Madinah, SA PRINCE MOHAMMAD BIN
ABDULAZIZ

Madrid, SP BARAJAS

Madrid, SP GETAFE

Madrid, SP TORREJON

Mahon, SP MENORCA

Malatya, TU ERHAC

Malatya, TU TULGA

Malmö, SW STURUP

Maragheh, IR SAHAND

Marmande, FR VIRAZEIL

Marrakech, MO MENARA

Marseille, FR PROVENCE

Masirah Island, MU MASIRAH

Masjed Soleiman, IR SHAHID ASYAEE

Maubeuge, FR ELESMEZ

Melun, FR VILLAROCHE

Mende, FR BRENOUX

Merville, FR CALONNE

Metz, FR FRESCATY

Milano, IT BERGAMO ORIO AL SERIO

Milano, IT BRESSO

Milano, IT LINATE

Milano, IT MALPENSA

AIRPORT/FACILITY DIRECTORY B-5

Millau, FR LARZAC
Molde, NO ARO
Monastir, TS HABIB BOURGUIBA INTL
Montbeliard, FR COURCELLES
Montlucon, FR DOMERAT
Montpellier, FR MEDITERRANEE
Mopti, ML AMBODEDJO
Morlaix, FR PLOUJEAN
Mosjoen, NO KJAERSTAD
Moss, NO RYGGE
Moulins, FR MONTBEUGNY
Mugla, TU DALAMAN
Muharraq, BA BAHRAIN INTL
Mulhouse, FR HABSHEIM
Munchen, GM OBERPFAFFENHOFEN
Murcia, SP ALCANTARILLA
Muret, FR LHERM
Muscat, MU SEEB INTL

N

Nador, MO EL AROUI
Nancy, FR ESSEY
Nancy, FR OCHEY
Napoli, IT CAPODICHINO
Nevers, FR FOURCHAMBAULT
Niamey, NG DIORI HAMANI
Nice, FR COTE D AZUR
Nimes, FR GARONS
Niort, FR SOUCHE
Norilsk, RS ALYKEL
Norrkoping, SW BRAVALLA
Norrkoping, SW KUNGSANGEN

O

Olbia, IT OLBIA COSTA SMERALDA
Opole, PL KAMIEN SLASKI
Oppdal, NO FAGERHAUG
Oran, AG ES SENIA
Orange, FR CARITAT
Orange, FR PLAN DE DIEU
Orleans, FR BRICY
Orleans, FR ST DENIS DE L HOTEL
Oslo, NO GARDERMOEN
Osnabruck, GM MUNSTER OSNABRUCK
Ostersund, SW FROSON
Ostrava, EZ MOSNOV
Oujda, MO ANGADS
Oxford, UK KIDLINGTON

P

Palermo, IT BOCCADIFALCO
Pamiers, FR LES PUJOLS

Paris, FR CHARLES DE GAULLE
Paris, FR LE BOURGET
Paris, FR ORLY
Patrai, GR ARAXOS
Perigueux, FR BASSILLAC
Perpignan, FR RIVESALTES
Peterborough, UK CONINGTON
Phalsbourg, FR BOURSCHIED
Poitiers, FR BIARD
Pontoise, FR CORMEILLES EN VEXIN
Poznan, PL KRZESINY
Poznan, PL LAWICA
Praha, EZ RUZYNE
Preveza, GR AKTIO

Q

Quimper, FR PLUGUFFAN

R

Rabah Bitat, AG ANNABA
Rabat, MO SALE
Reims, FR CHAMPAGNE
Reims, FR PRUNAY
Rennes, FR ST JACQUES
Riyadh, SA KING KHALED INTL
Riyan, YM MUKALLA INTL
Roanne, FR RENAISSON
Rochefort, FR ST AGNANT
Rodez, FR MARCILLAC
Rodos, GR DIAGORAS
Rodos, GR MARITSA
Rome, IT CENTOCELLE HELIPORT
Rome, IT CIAMPINO
Rome, IT FIUMICINO
Rome, IT URBE
Ronne, DA BORNHOLM RONNE
Rosh Pina, IS MAHANAIM I BEN YAAKOV
Rouen, FR VALLEE DE SEINE
Royan, FR MEDIS
Rzeszow, PL JASIONKA

S

Sabzevaran, IR JIROFT
Saint Affrique, FR BELMONT
Saint Brieuc, FR ARMOR
Saint Dizier, FR ROBINSON
Saint Etienne, FR BOUTHEON
Saint Flour, FR COLTINES
Saint Girons, FR ANTICHAN
Saint Malo, FR PLEURTUIT
Saint Nazaire, FR MONTOIR
Salerno, IT PONTECAGNANO

B-6 AIRPORT/FACILITY DIRECTORY

Sandefjord, NO TORP
Sandnessjoen, NO STOKKA
Saumur, FR ST FLORENT
Sevilla, SP MORON AB
Sfax, TS THYNA
Siegen, GM SIEGERLAND
Siena, IT AMPUGNANO
Sikasso, ML DIGNANGAN
Sixth of October City, EG OCTOBER
Skiathos, GR ALEXANDROS
PAPADIAMANTIS
Skien, NO GEITERYGGEN
Slupsk, PL REDZIKOWO
Sokoto, NI SADIQ ABUBAKAR III INTL
Solleftea, SW KRAMFORS SOLLEFTEA
Stavanger, NO SOLA
Stockholm, SW ARLANDA
Stockholm, SW BARKARBY
Stockholm, SW BROMMA
Stockholm, SW SKAVSTA
Stockholm, SW VASTERAS
Stord, NO SORSTOKKEN
Strasbourg, FR ENTZHEIM
Stuttgart, GM KELLEY BKS AHP
Suceava, RO STEFAN CEL MARE
Svalbard, SV LONGYEAR
Sylt, GM WESTERLAND SYLT
Szczecin, PL GOLENIOW
Szczzytno, PL SZYMANY

T

Tan Tan, MO PLAG BLANCHE
Tanger, MO IBN BATOUTA
Taranto, IT GROTTAGLIE
Tarbes, FR LOURDES
Targu Mures, RO VIDRASAU
Tehran, IR DOSHAN TAPPEH
Tehran, IR GHALE MORGHI
Tehran, IR MEHRABAD INTL
Tel Aviv, IS BEN GURION
Tel Aviv, IS SDE DOV
Tetouan, MO SANIAT RMEL
Thessaloniki, GR MAKEDONIA
Thira, GR SANTORINI
Tiaret, AG BOU CHEKIF
Timisoara, RO TRAIAN VUIA
Tlemcen, AG ZENATA
Torino, IT AERITALIA
Toulouse, FR BLAGNAC
Toulouse, FR FRANCAZAL
Toulouse, FR LASBORDES
Tours, FR VAL DE LOIRE
Tozeur, TS NEFTA

Trapani, IT TRAPANI BIRGI
Trento, IT MATTARELLO
Treviso, IT ISTRANA
Trieste, IT RONCHI DEI LEGIONARI
Trondheim, NO VAERENY
Troyes, FR BARBEREY
Tulcea, RO CATALOI
Tunis, TS CARTHAGE

U

Uherske Hradiste, EZ KUNOVICE
Urfa, TU SANLIURFA
Ussel, FR THALAMY
Utrecht, NL SOESTERBERG

V

Valence, FR CHABEUIL
Valenciennes, FR DENAIN
Valletta, MT LUQA
Vannes, FR MEUCON
Vardo, NO SVARTNES
Varese, IT VENEGONO
Varnamo, SW HAGSHULT
Vaxjo, SW KRONOBERG
Venice, IT VENEZIA TESSERA
Verdun, FR LE ROZELIER
Verona, IT VERONA BOSCOMANTICO
Verona, IT VILLAFRANCA
Veszprem, HU SZENTKIRALYSZABADJA
Vichy, FR CHARMEIL
Villacoublay, FR VELIZY
Villanova, IT ALBENGA
Villefranche, FR TARARE
Vojens, DA SKRYDSTRUP
Vrazhdebna, BU SOFIA

W

Warszawa, PL BABICE
Warszawa, PL OKECIE
Wien, AU SCHWECHAT
Wittmund, GM WITTMUNDHAFEN
Wroclaw, PL STRACHOWICE
Wurzburg, GM GIEBELSTADT AAF
Wurzburg, GM LEIGHTON BKS AHP

Y

York, UK LINTON ON OUSE

Z

Zakinthos, GR DIONYSIOS SOLOMOS
Zarzaitine, AG IN AMENAS
Zielona Gora, PL BABIMOST

AIRPORT/FACILITY DIRECTORY B-7

AIRPORT/FACILITY DIRECTORY

AALBORG, DA **EKYT** MIL/CIV N57°05.57' E9°50.95' 10 UTC+1(+2DT) **H-2G-5C, L-2E**
(B) **RWY-08L** L4,5,34,50 (8707x148 PEM PCN 64 R/D/X/U) L3,4,5,33,50 **RWY-26R**
← **HOOK 34D-1F** (194' OVRN) **BAK-14 DUAL(B)** (1476')
BAK-14 **DUAL(B)** (1476') **HOOK 34D-1F** (155' OVRN) →
RWY-08R L7,34,50 (8363x74 ASP PCN 52 F/D/X/U) L7,34,50 **RWY-26L**
HOOK 34D-1F(B) (1476') **HOOK 34D-1F(B)** (1476')

SERVICE - **AOE LGT** - PAPI all rwy GS 2.75°. Abn flg W opr when acft expected at ngf or in day dur lo vis. **A-GEAR** - Rwy 08L-26R BAK-14 apch end arrestment O/R. Rwy 08R-26 L 34D-1F/SP posn for dep arrestment, apch end arrestment avbl with 10 min PN mil HS. **FUEL** - J8, Ltd 100LL on mil ramp. (NC-100LL, A1). A1 avbl 0500-2200Z++ dly exc Sat 1800-2100Z O/R 2 hrs. (exp delay 0500-0630Z++, 1600-2200Z++ Sat and 0500-0630Z++ Sun). 100LL avbl 0500-2230Z++ dly, self-svc. **FLUID** - De-Ice

REMARKS - Opr 0500-2230Z++; Mil opr 0700-1400Z++ Mon-Thu, 0700-1100Z++ Fri. Clsd wkend and hol. **RSTD** - 24 hr PPR req fone mil OPS C+45 98 19 50 00, civ OPS C+45 98 17 11 44. **CAUTION** - Ocnl tow lauched glidr act. **NS ABTMT** - Jet acft dep Rwy 08L, no turn til cros AAL VORTAC R262/2 NM fix. **MISC** - Ldg fees. Prk guidance (Handling) on 131.55. Aprt fone C+45 98 17 1144, fax C+45 98 17 3684, e-mail: aalborg.airport@aal.dk. TWR/APP fone C+45 99 33 1775, fax C+45 99 33 1779.

COMMUNICATIONS - **ATIS** - Opr H24. 120.475 **APP** - Opr H24. **(R) (E)** 123.975 309.95 362.3 **ARR** - 120.7 315.5 **TWR** - Opr H24. **(E)** 118.3 284.775 257.8

HANDLING - 131.55

NAVAIDS - **AALBORG VORW-DME** - HA 116.700 AAL CH 114 (100/50) N57°06.22' E9°59.73' 262° 4.8 NM to Fld. 57/(A)1°0.0'E DME info fr AAL TACAN
AALBORG TACAN - HA AAL CH 114 (100/50) N57°06.24' E9°59.57' 261° 4.7 NM to Fld. 57/(A)1°0.0'E

ILS/RADAR - **ILS-DME** 08L, 26R ■ **RADAR** PAR-123.975 299.5.

AALEN HEIDENHEIM ELCHINGEN, GM **EDPA** CIV
N48°46.67' E10°15.88' 1916 UTC+1(+2DT) **L-6H**
(B) **RWY-09L** (3116x82 ASP AUW22) **RWY-27R**
2952→ ←2952
RWY-09R (3117x98 GRS AUW5) **RWY-27L**

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr SR-SS PPR (1 Nov-14Mar), (SR/0600Z-SS/1900Z PPR DT). Fone C(07367) 7122. **CAUTION** - Extv glidr act. **CSTMS/IMG** - O/R 1 hr PN by fone if nothing to declare. **MISC** - Estab ctc by 5 min out. OPS fone C07367-7122/7292/7683, C07361/35255.

COMMUNICATIONS - **LANGEN INFO** - 128.95 **INFO** - 122.4 15 NM 3000 ft AGL

NAVAIDS - **VHF/DF**

AARHUS, DA **EKAH** CIV N56°18.00' E10°37.14' 82 UTC+1(+2DT) **H-2G-5D, L-2E**
RWY-10L L7 (9111x75 PEM PCN 120 F/B/W/T) L7 **RWY-28R**
RWY-10R L4,5,24,50 (8865x148 PEM PCN 76 R/B/X/U) L3,4,5,33,50 **RWY-28L**

SERVICE - **LGT** - PAPI Rwy 10R-28L GS 2.75°. **FUEL** - (NC 100LL, A1) 100LL self-svc only. **FLUID** - De-Ice O/R, ctc Airport Office 130.225.

REMARKS - Opr 0500-2100Z++, OT PPR. **CAUTION** - Possible turb on Rwy 28 final with S and SW wind aprx 10 Kt. **MISC** - Ldg fees.

COMMUNICATIONS - **APP** - **(R) (V)** 119.275 **TWR** - **(V)** 118.525 **HANDLING** - 130.225
AIRPORT OFFICE - 130.225

NAVAIDS - **AARHUS NDB** - MHW 374.000 TU N56°17.28' E10°46.52' 277° 5.3 NM to Fld. Unk/1°18.1'E **AARHUS NDB/LOM** - MHW 324.000 ML N56°19.12' E10°27.56' 101° 5.4 NM to Fld. Unk/1°10.9'E

ILS/RADAR - **ILS, ILS-DME** 28L

AARS, DA **EKVH** CIV N56°50.82' E9°27.52' 119 UTC+1(+2DT) **L-2E**
(B) **RWY-11** L1,55 (3976x75 ASP AUW12) L1,55 **RWY-29**
3484→ ←3484
RWY-17 (1804x98 GRE) **RWY-35**

B-8 AIRPORT/FACILITY DIRECTORY

SERVICE - LGT - ABn opr when acft exp at ngt or in lo vis dur day. **ACTIVATE** 3 step 122.225. **FUEL** - (NC-100LL)

REMARKS - Opr 0700-1700Z (0500-2000Z DT). Self-svc only. For addn win hr, PPR thru admin. **RSTD** - OT PPR. Fone C96 98 12 66 btn 0700-1500Z++ Mon-Thu and 0700-1230Z++ Fri. **CAUTION** - Prcht act. **CSTMS/IMG** - Avbl 1.5 hr PN submitted btn 0700-1400Z++ Mon-Wed, 0700-1500Z++ Thu, 0700-1300Z++ Fri. **MISC** - Admin fone C(+45) 96 98 12 66.

COMMUNICATIONS - RDO - 123.5 **AALBORG APP** - 123.975

ABADAN, IR **OIAA** CIV N30°22.27' E48°13.70' 10 UTC+3:30 **H-13C, L-18E**
(B) **RWY-14L** (7437x115 ASP PCN 48 F/C/X/T) **RWY-32R**
RWY-14R L5,12,50 (10169x148 ASP PCN 70 F/C/X/T) L5,12 **RWY-32L**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0300-1830Z, OT PPR. **RSTD** - 180° turns allowed only at Rwy 14L and 32R ends. **CAUTION** - Animal and bird haz. **CSTMS/AG/IMG** - Non sked flt rqr prior coord 72 hr before EOBT.

COMMUNICATIONS - ATIS - 126.85 **TWR - (V)** 118.1 121.8

NAVAIDS - ABADAN VORW-DME - HA 114.500 ABD CH 92 N30°23.22' E48°13.06' 147°
1.1 NM to Fld. 10/(A)3°0.0'E
ABD VORW unuse 060°-120° byd 30 NM blw 5000'
120°-140° byd 30 NM blw 3500'
340°-060° byd 30 NM blw 4000'
340°-140° byd 20 NM blw 2500'

ABANE RAMDANE, AG See SOUMMAM

A BARBIERI, IT See GUIDONIA

ABA TENNA DEJAZMATCH YILMA INTL, ET See DIRE DAWA INTL

ABBEVILLE, FR **LFOI** CIV N50°08.61' E1°49.91' 220 UTC+1(+2DT) **H-6F, L-4H-7C,D**
RWY-02 (4101x75 CON S23 T37 TT87) **RWY-20**

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr HX. **CAUTION** - Gldr and model acft act. **CSTMS/IMG** - CSTMS avbl SR-SS 4 hr PN rqr, Fone C03 22 24 05 21, fax C03 22 20 31 97.

NAVAIDS - ABBEVILLE VORW-DME - HA 108.450 ABB CH 21(Y) (080/50) N50°08.11' E1°51.28' At Fld. 223/(A)3°0.0'W

ABECHE, CD **FTTC** CIV N13°50.82' E20°50.66' 1788 UTC+1 **L-20E**
RWY-09 (9186x98 ASP 737) **RWY-27**

REMARKS - Opr SR-SS.

COMMUNICATIONS - TWR - 118.1 **REMARKS:** Provides APP.

NAVAIDS - ABEICHE VORW - HA 114.500 AE N13°50.71' E20°50.70' At Fld. 1804/1°03.0'E

ABERDEEN, UK See DYCE

ABERPORTH, (WEST WALES) UK **EGFA** CIV N52°06.92' W4°33.42' 428 UTC 0(+1DT)
H-3C, L-3B-4F
RWY-08 L53 (3031x75 ASP) L53 **RWY-26**
2906→ ←2896

SERVICE - LGT - ABn, red coded AP. **FUEL** - 100LL, A1+

REMARKS - Opr 0900Z-SS (0800-1600Z sum) Mon-Fri. **RSTD** - PPR. **CAUTION** - Rdo-Sonde balloon launching 0700Z++ dly. Rwys 08-26 rptd LDA 2772'.

COMMUNICATIONS - AFIS/AG - 122.15

NAVAIDS - ABERPORTH NDB - MHW 370.500 AP N52°06.98' W4°33.59' At Fld.
Unk/4°07.0'W

AIRPORT/FACILITY DIRECTORY B-9

ABHA, SA **OEAB** CIV N18°14.42' E42°39.40' 6858 UTC+3 **H-14F, L-20G**
(B) **RWY-13** L5,33,50 (10991x148 ASP PCN 56 F/A/W/T) L5,12,50 **RWY-31**

SERVICE - FUEL - (NC-A1)

REMARKS - CSTMS/IMG - Avbl, PN rqr.

COMMUNICATIONS - KHAMIS APP - 124.5 **TWR -** 118.1 **GND -** 121.7

NAVAIDS - ABHA VORTACW - HA 112.900 ABH CH 76 N18°14.52' E42°39.42' At Fld.
6862/(A)1°00.0'E

ILS/RADAR - ➔ILS DME - BRG 128° LCZR I-ABH 109.9 CH 36 GS 3°

ABQAIQ, SA **OEBQ** PVT N25°54.68' E49°35.47' 229 UTC+3 **H-14G, L-18F**
RWY-15 L6 (6075x111 ASP 737) L6,50 **RWY-33**

REMARKS - RSTD - PPR. Fone C03-877-4066, fax C03-872-5034.

COMMUNICATIONS - CTAF - 122.8 **DISPATCH -** Opr SR-SS 138.22

NAVAIDS - ABQAIQ NDB - MH 290.000 AB N25°54.00' E49°35.00' At Fld. 229/2°15.7'E
Opr SR-SS

ABU ARGUB, LY **VORW-DME -** HA 115.100 ABU CH 98 N32°27.77' E13°10.17' 356°
12.0 NM to TRIPOLI INTL. 470/1°29.1'E **H-10E, L-14F**

ABU DHABI INTL, AE **OMAA** CIV N24°25.98' E54°39.07' 88 UTC+4
H-14G, L-18G-20H
RWY-13 L2,4,5,9,11,50 (13452x148 ASP PCN 80 F/B/W/T) L2,3,4,5,9,10,50 **RWY-31**

SERVICE - AOE FUEL - A1 ADNOC Distribution Avn, fone +971 02-575-7028. Ltd AvGas
avbl, 24 hr PN rqr. (NC-100LL)

REMARKS - CAUTION - Rwy 31 thld disp 0500-0600Z ev Sun.

COMMUNICATIONS - ATIS - 125.1 **RDR - (R) (E)** 124.4 128.1 290.8 **TWR - (E)** 119.2
121.75 270.0

NAVAIDS - ABU DHABI VORW-DME - HA 113.000 AUH CH 77 N24°26.60' E54°38.78'
At Fld. 68/(A)0°0.0'E VOR MP 0730-1030Z 1st Wed. DME MP 0730-1030Z 2nd Wed.

ABUMUSA ISLAND, IR **OIBA** CIV N25°52.54' E55°01.98' 23 UTC+3:30
H-13D-14G, L-18G
RWY-08 (9796x148 ASP PCN 55 F/B/X/T) **RWY-26**
8936➔ ←8856

REMARKS - Opr SR-SS. **CAUTION -** Animal and bird haz.

COMMUNICATIONS - INFO - 121.9 122.9

NAVAIDS - ABUMUSA ISLAND NDB - MHW 285.000 ABM N25°52.67' E55°01.38' At Fld.
23/1°38.0'E

ABU RUDEIS, EG **HE--/HE29** MIL N28°53.94' E33°12.15' 39 UTC+2(+3DT)
H-14E, 16G, L-16F
RWY-13 L50 (6530x150 ASP C130) L50 **RWY-31**
COMMUNICATIONS - CTAF - 118.5 123.5

ABU SIMBEL, EG **HEBL** CIV N22°22.56' E31°36.70' 616 UTC+2(+3DT)
H-12H-14E, L-20F
(B) **RWY-15** L6,12,50 (9843x148 ASP PCN 70 F/B/W/U) L2,6,11,50 **RWY-33**

SERVICE - FUEL - (NC-A1)

REMARKS - CAUTION - Bird haz.

COMMUNICATIONS - RDO - 5859 2562 (5859 SR-SS)(2562 SS-SR) **TWR/APP - (V)** 118.1
FIRE - 121.9 **REMARKS:** (Within 20NM)

NAVAIDS - ABU SIMBEL VORW-DME - HA 113.500 SML CH 82 N22°21.29' E31°37.32'
333° 1.4 NM to Fld. 640/(A)2°00.0'E

ILS/RADAR - ➔ILS-DME - BRG 328° LCZR IABS 109.7 CH 34 GS 3°

B-10 AIRPORT/FACILITY DIRECTORY

ABYAD, SY NDB - HHW 264.000 ABD N33°20.12' E36°25.69' 040° 6.3 NM
to DAMASCUS INTL. Unk/3°53.0'E **H-13A, L-16F**

A CORUNA, SP LECO CIV N43°18.12' W8°22.64' 326 UTC+1(+2DT) **H-3A, L-11A**
RWY-04 L4,6,9,50 (6365x148 ASP PCN 45 F/B/W/T) L2,4,6,8,9,50 **RWY-22**

SERVICE - FUEL - (NC-100LL, A1) **OIL** - 0-125

REMARKS - Opr 0530-2230Z (0430-2230Z sum). **RSTD** - 180° turn at rwy end only. PPR til 12 Jun 06 est., Fax C0034981249444 with date of flt, acft type, dep pt, and ETA for clnc.

CAUTION - TD lctd with GS ant may give false Traffic Alert and Collision Avoidance Sys (TCAS) advsy. Bird concentration on Rwy 04-22 especially dur autumn and win.

COMMUNICATIONS - SANTIAGO APP - 120.2 **TWR - (V)** 118.3 **GND** - 121.7

NAVAIDS - LA CORUNA DVORW-DME - HA 115.100 LRA CH 98 N43°23.77' W8°18.41' 209° 6.4 NM to Fld. 415/4°7.0'W 315°-090° sgl distortions at 4000' and btn 3 and 5NM fr stn. **LA CORUNA NDB** - HW 401.000 COA N43°21.92' W8°19.70' 210° 4.4 NM to Fld. Unk/4°4.0'W **VHF/DF**
LRA VOR unuse 213°
055°-105°

ILS/RADAR - ➔ILS-DME - BRG 216° LCZR LCO 109.9 CH 36 GS 3°

ADANA, TU LTAF CIV N36°58.93' E35°16.82' 65 UTC+2(+3DT) **H-13A-16G, L-15B**
(B) **RWY-05** L5,33,50 (9022x148 ASP PCN 115 F/A/X/T) L5,13,50 **RWY-23**

SERVICE - FUEL - (NC-80, 100LL, A1)

REMARKS - CSTMS/IMG - Avbl.

COMMUNICATIONS - INCIRLIK APP - (E) 126.5 362.3 **TWR - (V)** 121.1
INCIRLIK DEP - (E) 126.5 362.3

NAVAIDS - ADANA VORW-DME - HA 112.700 ADA CH 74 N36°56.43' E35°12.62' 050° 4.2 NM to Fld. 49/(A)3°00.0'E **ADANA NDB** - HHW 395.000 ADA N36°58.25' E35°15.70' 053° 1.1 NM to Fld. Unk/4°17.9'E

ILS/RADAR - ILS

ADDIS ABABA ACC/FIC, ET HAAA CON - 125.1 125.1 5658 5658 8870
8870 11300 11300 **L-20F, G**

AD DUHAYR, EG See EL GORA

ADEN INTL, YM OYAA MIL/CIV N12°49.77' E45°01.73' 7 UTC+3 **H-14F, L-20G**
RWY-08 L5,11,50 (10171x148 ASP PCN 74 F/B/W/T) L5,12,50 **RWY-26**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - CAUTION - Bird haz.

COMMUNICATIONS - ATIS - 122.6 **RDO** - 5658 11300 5100 5115 7595 8918
APP - (V) 119.7 **TWR - (V)** 118.7 **GND** - 121.9

NAVAIDS - ADEN VORW-DME - HA 112.500 KRA CH 72 N12°49.87' E45°01.41' At Fld. 12/1°18.8'E **ADEN NDB** - HW 361.000 AD N12°52.22' E45°00.33' 149° 2.8 NM to Fld. Unk/1°19.3'E **VHF/DF**

ILS/RADAR - ➔ ILS-DME - BRG 076° LCZR KRL 110.3 CH 32 GS 3°

ADIYAMAN, TU LTCP CIV N37°43.88' E38°28.14' 2216 UTC+2(+3DT) **H-13A, L-15C**
(B) **RWY-05** L6,14,50 (8212x98 CON PCN 74 R/C/Y/T) L6,14,50 **RWY-23**

REMARKS - Opr by NOTAM.

COMMUNICATIONS - TWR - 119.05 121.85 358.675

NAVAIDS - ADIYAMAN VORW-DME - HA 113.600 KHD CH 83 N37°43.45' E38°27.55' At Fld. 2215/4°34.9'E **ADIYAMAN NDB** - HW 381.000 KHD N37°43.45' E38°27.55' At Fld. 2215/4°34.9'E

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ADNAN MENDERES, TU **LTBJ** CIV N38°17.54' E27°09.42' 412 UTC+2(+3DT)

H-15E, L-12H-15A

(B) **RWY-16L** L3,4,5,12,50 (10630x147 ASP PCN 120 R/D/W/T) L2,3,4,5,11,50 **RWY-34R**
←J-BAR UNK (164' OVRN) 500S(B) (1350') 500S(B) (1350')
RWY-16R L3,5,14,50 (10630x147 CON PCN 120 R/D/W/T) L3,5,12,50 **RWY-34L**

SERVICE - FUEL - A1 (Air Total Intl., Petrol Ofisi C+90-212-465-7700) (NC-100LL)

REMARKS - CSTMS/IMG - Avbl.

COMMUNICATIONS - ATIS - 129.2 **MENDERES APP - (R) (V)** 119.5 119.775 120.1

120.175 127.525 128.7 132.9 314.2 362.3 **MENDERES TWR - (E)** 118.1 257.8

MENDERES GND - (U) 121.9 **MENDERES RAMP** - 121.7

NAVAIDS - MENDERES VORW-DME - L 117.900 MEN CH 126 N38°17.77' E27°09.55'

At Fld. 407/3°43.8'E **MENDERES TACAN** - L MEN CH 98 N38°17.90' E27°09.48' At Fld.
412/3°43.8'E Opr 0600-1500Z++ **MENDERES NDB/LMM** - MHW 315.000 EN N38°16.00'
E27°09.70' 352° 1.6 NM to Fld. Unk/3°43.7'E **MENDERES NDB/LOM** - MHW 405.000
ME N38°12.00' E27°10.80' 349° 5.6 NM to Fld. Unk/3°43.4'E

ILS/RADAR - ILS-DME - SEE TERMINAL FLIP FOR ILS DME 34R DATA. →**ILS-DME** - BRG 164°
LCZR IIMR 108.50 CH 126 GS 3.1°. DME fr MEN VOR-DME. Rwy 16L LLZ unuse byd 25° W
of centerline. Rwy 16L LLZ unuse byd 10° E of centerline byd 13NM. Rwy 16L and Rwy 34R
ILS out of service.

ADRAR, AG **VORW-DME** - T 112.600 ADR CH 73 (200/25) N27°48.42' W0°12.92' 041°

2.4 NM to TOUAT CHEIKH SIDI MOHAMED BELKEBIR. 920/1°17.5'W **NDB** - HW

340.000 ADR (125/16) N27°47.12' W0°13.82' 037° 3.9 NM

to TOUAT CHEIKH SIDI MOHAMED BELKEBIR. Unk/1°16.0'W **H-11D, L-19B**

AERITALIA, (TORINO AERO CLUB) IT **LIMA** PVT N45°05.18' E7°36.20' 946

UTC+1(+2DT) **L-9B**

(B) **RWY-10L** (3445x98 ASP SWL17)

RWY-28R

RWY-10R

(2458x131 GR5)

←2625

RWY-28L

←1638

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr 0800Z++-SS+30 min. Clsd on Mon if hol and Tue. **CAUTION** - Gldr act
Rwy 10R-28L.

COMMUNICATIONS - INFO - Opr 0630Z++-SS+30 (V) 119.8

NAVAIDS - VHF/DF

AFFLIGEM, BE **DVORW-DME** - HA 114.900 AFI CH 96 (040/25) N50°54.47' E4°08.33'
093° 13.1 NM to BRUSSELS NATL. 284/(A)2°00.0'W 90/25 E **H-6G**

A FUSCO, IT See GHEDI

AFYON, TU **LTAH** MIL N38°43.59' E30°36.07' 3310 UTC+2(+3DT) **H-4H-15E-16F, L-15A**

(B) **RWY-13L** L5,43 (12005x148 CON) L5,33,43 **RWY-31R**

←MA-1A UNK (160' OVRN) 500S(B) (1385') MA-1A UNK (143' OVRN) →

RWY-13R L43 (9843x150 CON SWL40) L33,43 **RWY-31L**

500S(B) (1388')

REMARKS - Opr by NOTAM. **MISC** - NOTAMS avbl only at AOE listed in FCG.

COMMUNICATIONS - APP - H24 122.1 362.3 **TWR** - H24 122.1 257.8

NAVAIDS - AFYON VORW-DME - HA 112.200 KFK CH 59 N38°48.23' E30°32.82' 147°

5.3 NM to Fld. 3323/(A)2°00.0'E **AFYON TACAN** - T KFK CH 99 N38°43.06' E30°37.06'

At Fld. 3313/(A)2°48.0'E **AFYON NDB** - HHW 324.000 KFK N38°48.23' E30°32.82' 147°

5.3 NM to Fld. Unk/4°09.3'E

ILS/RADAR - ■ RADAR - GCA Opr 0530-1330Z++ Mon-Fri Sat, Sun and hol 6 hr PN.

AGADES, NG See MANU DAYAK

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AGADIR, MO **VORW-DME** - HA 117.200 ADM CH 119 N30°19.32' W9°23.00' 281° 1.5 NM to AL MASSIRA. 295/(A)5°00.0'W **NDB/LOM** - HW 396.000 ALS N30°19.22' W9°19.17' 278° 4.9 NM to AL MASSIRA. Unk/3°53.5'W **NDB** - HW 402.000 AML N30°19.42' W9°27.28' 092° 2.2 NM to AL MASSIRA. Unk/3°56.2'W **H-9A-11C, L-13B**

AGADIR AL MASSIRA, MO See AL MASSIRA

AGADIR INEZGANE, MO See INEZGANE

AGEN, FR **VORW-DME** - HA 114.800 AGN CH 95 (100/50) N43°53.28' E0°52.37' 868/(A)2°0.0'W (120/50 sctr 315°-075°) **H-7A-15A, L-11C**

AGHAJARI, IR **OIAG** CIV (Iranian Air Transportation Company NAFT)
N30°44.67' E49°40.63' 88 UTC+3:30 **H-13C, L-18F**
RWY-13 (6933x148 ASP) **RWY-31**
REMARKS - Opr 0430-1230Z. **CAUTION** - Animal haz.
COMMUNICATIONS - **INFO** - 122.1 123.5 5690 3650 5400
NAVAIDS - **AGHAJARI NDB** - HHW 365.000 AJ N30°45.00' E49°41.00' At Fld. 88/3°03.8'E

AGIP C97, LY **NDB** - MHW 400.000 ZT N28°49.00' E21°50.00' Unk/2°21.6'E **L-20E**

AGNO, SZ See LUGANO

AGRI, TU **LTCO** CIV N39°39.27' E43°01.63' 5462 UTC+2(+3DT) **H-13B, L-15D**
RWY-16 L2,9,14,55 (6562x98 ASP) **L55 RWY-34**
SERVICE - **FUEL** - (NC-J8)
REMARKS - Opr by NOTAM.
COMMUNICATIONS - **TWR** - (E) 118.475
NAVAIDS - **AGRI VORW-DME** - L 116.700 ARI CH 114 N39°40.30' E43°01.23' 163° 1.1 NM to Fld. 5354/5°08.3'E **AGRI NDB** - HW 289.000 ARI N39°40.15' E43°01.32' At Fld. 5462/5°08.3'E

AGRINION, GR **LGAG** MIL N38°36.12' E21°21.07' 154 UTC+2(+3DT) **H-15D, L-12G**
RWY-09 L7,50 (9875x98 ASP) **L7,50 RWY-27**
HOOK UNK (1668') HOOK UNK (1633')
SERVICE - **LGT** - PAPI Rwy 09-27 GS 2.5°. **A-GEAR** - Rwy 09, 27 A-GEAR O/S UFN. **FUEL** - J4
REMARKS - Opr HO.
COMMUNICATIONS - **TWR** - (E) 122.1 123.65 257.8 (122.1 O/S UFN)

AHDEN, GM See PADERBORN LIPPSTADT

AHWAZ, IR **OIAW** CIV N31°20.25' E48°45.72' 66 UTC+3:30 **H-13C, L-18E**
(B) **RWY-12** L5,12,50 (11149x148 ASP PCN 55 F/C/X/T) **L5,12,50 RWY-30**
SERVICE - **FUEL** - Opr H24. (NC-100LL, A1) 100LL avbl in 58 gal barrels.
REMARKS - Opr 0330-1030Z. **CAUTION** - Animal and bird haz.
COMMUNICATIONS - **ATIS** - Opr 0230-2030Z. 126.4 **TWR** - Opr H24. (V) 121.1 121.9 122.7
NAVAIDS - **AHWAZ DVORW-DME** - HA 114.000 AWZ CH 87 N31°20.26' E48°45.86' At Fld. 66/(A)3°0.0'E **AHWAZ NDB** - HW 415.000 AWZ N31°20.65' E48°44.67' At Fld. 66/3°14.0'E
AWZ VORW-DME unuse Byd 20 NM blw 3000'
020°-080° within 40 NM blw 3500'
020°-080° blw 4000'
ILS/RADAR - **→ILS-DME** - BRG 301° LCZR IAWZ 109.9 CH 36 GS 3.06°

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AIGINA, GR **NDB** - MHW 382.000 EGN N37°45.86' E23°25.43' Unk/3°13.8'E **T-2E**

AIN EL BEY, AG See MOHAMED BOUDIAF INTL

AIOUN EL ATROUSS, MR **GQNA** CIV N16°42.68' W9°38.27' 951 UTC 0

H-11C, L-19A

RWY-04

(5245x100 BIT)

RWY-22

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr SR+15-SS+15.

COMMUNICATIONS - INFO - Opr HS, OT OR 24 hr to GQNNQDYX. 118.9

AG VOICE RDO - Opr HS, OT OR 24 hr to GQNNQDYX. 5680

NAVAIDS - AIOUN EL ATROUSS NDB - MHW 310.000 AA N16°41.53' W9°36.02' 304°
2.4 NM to Fld. Unk/5°15.7'W

AIR BASE NR 1, PO See SINTRA

AIR BASE NR 3, PO See TANCOS

AIR BASE NR 4, PO See LAJES

AIR BASE NR 5, PO See MONTE REAL

AIR BASE NR 6, PO See MONTIJO

AIR BASE NR 11, PO See BEJA

AIR VALEE, IT See AOSTA

AIRE SUR L ADOUR, FR **LFDA** CIV N43°42.57' W0°14.72' 259 UTC+1(+2DT)

L-11C

RWY-12

(3281x98 ASP S23)

RWY-30

2740→

←2182

SERVICE - FUEL - Avbl daytime exc Mon and Tue. (NC-100LL)

REMARKS - Opr SR-SS. **RSTD** - NORDO proh.

AIX LES BAINS, FR **LFLB** MIL/CIV N45°38.28' E5°52.81' 779 UTC+1(+2DT)

H-7B, L-8H-9A

RWY-18 L5,9,23,50

(6628x148 ASP

L5,9,50 **RWY-36**

5873→

S92 T148 ST175 TT277)

←6168

SERVICE - AOE **LGT** - PAPI Rwy 18 GS 4.46° MEHT 36', PAPI Rwy 36 GS 4° MEHT 59'.

FUEL - Avbl 0600-1900Z++ Mon-Fri; 0600-1700Z++ Sat; 0600-1600Z++ Sun. (NC-100LL, A1)

REMARKS - Opr by NOTAM. **RSTD** - IFR trng flt proh within Chambéry TCA.

COMMUNICATIONS - CHAMBERY ATIS - 124.575 **CHAMBERY APP - (R)** 123.7

CHAMBERY TWR - 118.3 121.2

ILS/RADAR - →**ILS-DME** - BRG 178 LCZR CY 109.5 CH 32 GS 4.46°.

AIX LES MILLES, FR **LFMA** CIV N43°30.33' E5°22.07' 367 UTC+1(+2DT)

H-7B-15B, L-11D

RWY-15

(5249x98 ASP S69)

RWY-33

5085→

←4314

SERVICE - FUEL - Avbl 0800-1200Z++, 1300-1800Z++ Mon-Sat. A1+ (NC-100LL)

REMARKS - Opr 0700-1900Z++ or SS+30 (exc if SS+30 is before 1900Z) Mon-Sat; SR-30 - SS+30 Sun, hol. **RSTD** - PPR for tran mil acft; O/R before 1600Z++ Mon-Thu; O/R before 1500Z++ Fri; O/R before 1500Z++ prev workday Sat, Sun, hol. Fone C33.4.42.39.57.01.

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COMMUNICATIONS - ATIS - 136.225 **PROVENCE - (R)** 118.85 120.2 127.725

TWR - 118.75 122.1

NAVAIDS - AIX LES MILLES NDB - MHW 430.000 ALM N43°30.47' E5°21.63' At Fld.
367/0°9.0'E

AJACCIO, FR **VORW-DME** - HA 114.800 AJO CH 95 (100/50) N41°46.23' E8°46.48'
2142(A)0°0.0'E (200/50 sctr 090°-270°) **H-7C-15B, L-11D-12E**

AJACCIO/CAMPO DELL ORO, FR **NDB** - HW 341.000 IS N41°53.93'
E8°36.72' 080° 8.7 NM to CAMPO DELL ORO. Unk/0°58.1'E **H-7C, 15B, L-11D-12E**

AKHISAR, TU **LTBT MIL** N38°48.53' E27°50.03' 263 UTC+2(+3DT) **H-15E, L-15A**
(B) **RWY-14L** L6,43 (9815x148 CON) L6,33,43 **RWY-32R**
←NET BEFAB (135' OVRN) →500S (1250') 500S (1235') ←
RWY-14R (9815x98 CON) **RWY-32L**

SERVICE - FUEL - J4.

REMARKS - Opr by NOTAM. **MISC** - NOTAMS avbl only at AOE listed in FCG.

COMMUNICATIONS - MENDERES APP - H24 (R) (V) 120.1 362.3 **TWR** - 122.1 257.8
GND - 251.25

NAVAIDS - AKHISAR TACAN - T AKI CH 39 N38°49.17' E27°49.63' At Fld. 285/3°51.8'E

ILS/RADAR - ■ **RADAR** - GCA avbl only for acft emerg 10 min PN.

AKINCI, TU **LTAE MIL** N40°04.74' E32°33.94' 2767 UTC+2(+3DT) **H-4H, L-15B**
RWY-03L L5,33,50 (10992x147 ASP) L5,50 **RWY-21**
←A30 UNK (164' OVRN) →UNK (1410') 500S (1252') ←A30 UNK (162' OVRN) →

SERVICE - JASU - 3(MA-1A) 1(MD-3A) 3(MD-3M) 1(TCD-3) **FUEL** - 115, J4 **FLUID** -
LPOX LOX **OIL** - O-128-132-148 **TRAN ALERT** - Svc avbl.

REMARKS - **CSTMS/IMG** - CSTMS avbl, 6 hr PN rqr.

COMMUNICATIONS - ATIS - 264.15 **ESENBOGA APP - (R) (E)** 119.1 119.6 122.1 362.3
TWR - (E) 122.1 362.3 257.8 **GND** - 251.25

NAVAIDS - AKINCI TACAN - T ZIR CH 92 N40°05.17' E32°34.56' At Fld. 2812/4°32.0'E

AKRABERG, FO **NDB** - HHW 381.000 AB N61°23.72' W6°40.87' Unk/7°29.9'W
H-1B-2E, L-1A

AKROTIRI, CY **LCRA MIL** N34°35.42' E32°59.27' 76 UTC+2(+3DT)
H-10H-13A-16G, L-15B-16F

(B) **RWY-10L** L5,34,50 (9002x200 ASP) L5,33,50 **RWY-28**
ST175, TT458, SBTT590, TDT840)
←J-BAR RAF (70' OVRN) HOOK RHAG(B) (1900')
HOOK RHAG(B) (1453') J-BAR RAF (67' OVRN) →

SERVICE - A-GEAR - . Jet acft to start tkof 130' fr thld (mrk by 2 stub bars) to avoid barrier
damage. Nml ops posn, both cables de-rigged. **JASU** - 1(A1) 1(A2) 1(A4) 1(C5) 1(C6) 1(E2)
1(E3) 1(E4) 1(E5) 1(E10) 1(E11) 1(E12) **FUEL** - (NC-A1, A1+) **FLUID** - W WAI LHOX LOX
OXRB **OIL** - O-149-156

REMARKS - Opr 0500-1700Z Mon-Fri; PPR Sat, Sun. **RSTD** - PPR. **CAUTION** - Exp QFE
altimeter setting. Rdo mast 385' 2.5 NM NNE of arpt. **NS ABTMT** - Avoid ovft hosp 3 NM
SW blw 2000'. Avoid ovft of domestic area. **CSTMS/IMG** - CSTMS avbl. **MISC** - Copter
act. MSA over Cyprus is 8700'. Base OPS fone C011-357-527-6370/ 6664.

COMMUNICATIONS - ATIS - 288.2 **REMARKS**: Fone C011-357-527-6076 **APP - (E)** 122.1
235.05 362.3X **DIRECTOR** - 122.1 123.3X 264.85 344.0X **TWR** - 122.1 339.85 257.8X
GND - 261.0 **OPS** - 234.05

NAVAIDS - AKROTIRI TACAN - HA AKR CH 107 (200/40) N34°34.76' E32°57.77' 058°
1.4 NM to Fld. 237/3°51.6'E MP 0630-0830Z++ 1st Tue. **UHF/DF**

ILS/RADAR - ILS - MP wkly 0600-0800Z++ Fri. **RADAR** - SEE TERMINAL FLIP FOR RADAR
MINIMA.

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AKTIO, GR **LGPZ** MIL N38°55.53' E20°45.92' 11 UTC+2(+3DT) **H-15D, L-12G**
(B) **RWY-07L** L6,50 (9419x148 ASP PCN 36 F/B/X/U) L6,14,50 **RWY-25R**
←8927

SERVICE - LGT - PAPI Rwy 07L GS 2.72°, PAPI Rwy 25R GS 2.73°. **JASU** - 1(ST-22/28), 1200
AMP **FUEL** - 115, 100LL, J4 **OIL** - O-128-133-148

REMARKS - Opr by NOTAM. Ng't, 30 min PN. **CAUTION** - The 2nd twy fr thld 25R clsd. Bird
haz. **RWY** - Parl Twy has Rwy mrk, only used as twy.

COMMUNICATIONS - APP - Opr SR-SS (E) 120.45 122.1 **TWR** - Opr SR-SS. (E) 120.45
122.1 257.8 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - PREVEZA NDB - MHW 353.000 PAK N38°54.99' E20°45.44' At Fld.
Unk/2°58.2'E

ILS/RADAR - ➔**ILS-DME** - BRG 069° LCZR I-PRV 110.9 CH 46 GS 2.75°

AKUJARVI, FI **NDB** - MHW 432.000 AKU N68°40.70' E27°36.88' 216° 6.3 NM to IVALO.
Unk/10°57.7'E **L-1D**

AKUREYRI, IC **BIAR** CIV N65°39.60' W18°04.36' 6 UTC 0 **H-1A, L-1A**
(B) **RWY-01** L2,5,9,38,50 (3665x148 ASP PCN 28 F/A/X/T) L5,9,50 **RWY-19**

SERVICE - FUEL - Avbl 0900-1800Z, hol PN. (NC-100LL, A1)

REMARKS - Opr 0700Z-2300Z. OT O/R C+354 569 4360. **CAUTION** - Rwy 01 PAPI unuse
byd 4 NM fr thld and more than 10° either side of cntrline due to obst. Rwy 19 PAPI unuse
byd 4 NM fr thld due to obst. **TFC PAT** - Right tfc Rwy 01. **CSTMS/IMG** - Cstms avbl
O/R. **MISC** - Ldg fees. 164' wide 213' long ASP turning area on ea end of rwy.

COMMUNICATIONS - REYKJAVIK ACC - 119.7 **TWR - (V)** 118.2 292.7

RADAR - (V) 118.7

NAVAIDS - AKUREYRI VORW-DME - HA 113.600 AKI CH 83 N65°45.58' W18°00.25' 213°
6.2 NM to Fld. 2053/(A)19°00.0'W **AKUREYRI NDB** - MHW 334.000 AR N65°45.35'
W18°05.37' 193° 5.8 NM to Fld. Unk/15°42.3'W Rng less S and W. **TORFUR NDB** - MHW
324.000 TO N65°30.02' W18°09.02' 027° 9.8 NM to Fld. Unk/15°37.0'W
HJALTEYRI NDB - MHW 319.000 HJ N65°51.10' W18°11.50' 166° 11.9 NM to Fld.
Unk/15°48.8'W **BOTN NDB** - MHW 387.000 NB N65°19.57' W18°17.62' 032° 20.8 NM
to Fld. Unk/15°37.0'W

ILS/RADAR - LOC-DME ■ **RADAR** - ASR - Call **RADAR - (V)** 118.7 118.2X.

AL AHSA, SA **OEAH** CIV N25°17.12' E49°29.11' 588 UTC+3 **H-14G, L-18F**
(B) **RWY-16** L5,12,50 (10039x148 ASP PCN 58 R/B/X/T) L5,33,50 **RWY-34**
←HOOK UNK (1355') HOOK UNK (1325') →

SERVICE - FUEL - (NC-A1)

REMARKS - RSTD - PPR. PN 3 hr for non-sked. Fone C03-586-7312, telex 861333 APHASA
SJ, fax C03-586-7304.

COMMUNICATIONS - CTAF - 122.8 **RDO** - 131.5 **CRASH SVC** - Call Fire Rescue Svc 15
min prior ETA 133.5

NAVAIDS - AL AHSA VORTACW - HA 116.600 HSA CH 113 N25°16.75' E49°29.04' At Fld.
576/2°11.0'E
HSA TACAN unuse blw 3500'

ILS/RADAR - ➔**ILS DME** - BRG 343° LCZR I-HSA 110.9 CH 46 GS 3°.

AL AIN INTL, (BURAYMI WEST) AE **OMAL** CIV N24°15.70' E55°36.55' 869 UTC+4
H-14G, L-18G-20H
RWY-01 L2,4,5,11,50 (13123x148 ASP PCN 60 F/A/W/T) L2,4,5,12,50 **RWY-19**

SERVICE - FUEL - (NC-100LL, A1+)

COMMUNICATIONS - APP - (V) 119.85 **TWR - (V)** 119.85 **GND - (V)** 129.15

NAVAIDS - AL AIN DVORW-DME - HA 112.600 ALN CH 73 N24°15.58' E55°36.38' At Fld.
842/(A)0°0.0'E VOR MP 0600-0800Z 1st Tue DME MP 0600-0800Z 2nd Tues.

AL AIN NDB - HW 399.000 AIN N24°14.92' E55°36.26' At Fld. Unk/1°17.6'E MP
0800-1000Z 1st Sun.

B-16 AIRPORT/FACILITY DIRECTORY

ILS/RADAR - ➔ILS-DME - BRG 006° LCZR IALA 111.9 CH 56 GS 3°. LcZR MP 0600-0800Z 1st Mon. GS MP 0600-0800Z 2nd Mon. DME MP 0600-0800Z 3rd Mon.

AL ALAMAIN INTL, EG **HEAL** CIV N30°55.47' E28°27.69' 143 UTC+2(+3DT)

H-10H-16F, L-16E

RWY-13L12,50 (11479x148 ASP PCN 60 F/A/X/U)

L11,50**RWY-31**

REMARKS - CAUTION - WIP. Opr on test.

COMMUNICATIONS - TWR - (V) 123.4 120.0 **GND** - 121.9

NAVAIDS - EL DABA VORW-DME - HA 115.700 DBA CH 104 N31°00.68' E28°28.02' 180°
5.2 NM to Fld. 110/(A)3°00.0'E

ALAND ISLAND, FI See MARIEHAMN

AL ASAD AB, IZ **ORAA** MC N33°47.14' E42°26.47' 618 UTC+3(+4DT) **H-13B, L-16H**

RWY-08 (10125x338 GRE)

RWY-26

RWY-09L L2,5,10 (13124x197 ASP PCN 56 R/B/W/T)

L2,5,10**RWY-27R**

RWY-09R L2,5,42,50,51 (13123x148 ASP PCN 56 R/B/W/T)

L2,5,10,50,51**RWY-27L**

HOOK M31(B) (1100')

HOOK M31(B) (1100')

SERVICE - LGT - Emerg afld lgt sys (EALS) in use at reduced ints, nstd lgt. Rwy 27L apch end flg nstd non-sequenced lgt, M configuration with single row cntnrln. Addn edge lgt first 4000 ft of rwy. Rwy 27R apch end flg non-sequenced lgt. Solar pwr, lo brilliance rwy edge lgt lct 5 ft fr rwy edge. Solar pwr, lo brilliance twy edge lgt in use. SS to SR solar pwr lgt only for NVD opr. EALS will be set to med ints at pilot's req and in IMC. Fresnel Lens opr lgt sys (FLOLS) by req only and used for trml guidance to rwy 27L. Tactical (TAC) PAPI left side 09R/27L set at 3° avbl on req only. By req only white hi ints apch lgt on 09R/27L, configuration Q with flg sequenced cntln lgt. **A-GEAR** - M31 on 09R/27L in close proximity of rwy edge, C-130 or larger acft tkof and ldg after first 2000 ft. **FUEL** - Ltd supply of J8. All tran AMC acft must req fuel 24 hr prior thru Base OPS DSN 318-3413-347. Max amount 30 thou lb for all acft. Exp delay due to ltd dispensing equip. Fuel svc not avbl for civ acft. Acft encouraged to use hot pits. Acft utilizing hot fuel pits flw drct by ATC and hot fuel pit taxi directors. Refer afld opr manual and NAVAIR 00-80T-109 avbl on Al Asad website under afld OPS at <http://www.acemnf-wiraq.usmc.smil.mil>. Failure to comply will result in delay with cold fuel prp.

REMARKS - RSTD - PPR req for all civ/mil acft incl those on ATO. F/W acft not issued PPR may be turned away or met by security forces. All R/W and F/W acft with DV code 7 or hi will also req PPR. RAMCC will provide slot time for all civ acft. Agcy must obtain PPR prior to entry into IZ. RAMCC no longer issues slot times for mil acft. PPR for mil F/W acft serve as slot time. Mil slot times +/-30 min from PPR ETA/ETD cntc Base OPS at DSN 318-3412-700 to update ASAP or e-mail: (alasadppr@acemnf-wiraq.usmc.mil) or (alasadppr@acemnf-wiraq.usmc.smil.mil). PPR issued within 6 hr ntc will not be guaranteed priority handling and may be delayed. Acft are rqr to use inboard eng only on twy to ctl FOD. **CAUTION** - Acft taxi dur darkness use posn/formation lights. Copter avoid ovft of bunker 66 near radio twr NE of Delta and Oscar twy int. 70 ft twr 1 NM NW of afld mrk with infrared lgt. 125 ft twr lctd 360° rad 2.5 DME fr afld mrk with infrared bcn. Twr 112 ft AGL at N33°48'10.25 E42°27'23.67 with red obst lgt. 150 ft twr E of int Delta and Oscar twy. India twy clsd N of Hotel twy. **TFC PAT** - Carrier breaks are not auth. Overhead initial lctd 5 NM fr apch rwy in use at or abv 4000 ft descend to at or abv 2700 ft by apch end of rwy. Break S and when wings level on downwind descend to 1600 ft. All acft to remain S of Alpha twy unless directed by ATC. **MISC** - All aircrew review unclassified NOTAM at <https://www.notams.jcs.mil>. RNAV GPS apch avbl 09R/27L 09L/27R for mil contract carriers only. Copter RNAV pro avbl thru www.us.army.mil, see DINS attn ntc all Rgn EUR or PAC for downloading instr. All flts inbd to A/DACG ctc 298.675 nlt 20 min prior to ldg. If unfamiliar with afld req progressive taxi. **RWY** - Ltd twy and rwy signage. Dist remaining mrk avbl.

COMMUNICATIONS - INFO - By NOTAM. 250.925 **APP** - 118.6 127.875 298.025

TWR - 131.225 147.85 363.675 **GND** - 121.175 276.775 232.65 **ADACG** - 298.675

REMARKS: Ctc 20 min prior to ldg. **METRO** - 244.325 **OPS** - 116.15

MEDEVAC - 33.55

NAVAIDS - AL ASAD TACAN - HA MAA CH 57 N33°47.24' E42°26.60' At Fld.

618/(A)4°00.0'E TACAN MP 0500-0800Z++ Tue, Thu, Sat.

AIRPORT/FACILITY DIRECTORY B-17

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA. ASR PAR MP
0500-0800Z++ Tue, Thu, Sat. Ctc APP for updates DSN 318-3212-192.

ALBACETE, (LOS LLANOS) SP **LEAB** MIL/CIV N38°56.91' W1°51.81' 2302

UTC+1(+2DT) **H-16I, L-11B**

RWY-09 L7,9,50

(8858x197 ASP AUW 60)

L7,9,43 **RWY-27**

←NET UNK (108' OVRN) ←UNK (69') ←500S-8 (1214')

UNK (62') →NET UNK (102' OVRN) →

SERVICE - LGT - PAPI Rwy 09 GS 2.5°. **A-GEAR** - 500 S-8 20 min PPR Mon-Fri

0530-1245Z++ exc hol. **OIL** - O-113-123-128-132-138

REMARKS - RSTD - NORDO proh.

COMMUNICATIONS - APP - 118.725 139.3 257.8 278.025 **TWR - (E)** 122.1 139.3

386.675 **GND** - 121.8

NAVAIDS - ALBACETE VORW-DME - HA 115.800 VAB CH 105 N38°56.63' W2°00.16' 090°

6.5 NM to Fld. 2277/1°40.1'W **ALBACETE TACAN** - T TAB CH 17 N38°56.74' W1°51.81'

At Fld. 2320/1°37.6'W **ALBACETE NDB** - HW 321.000 ABT N38°56.64' W1°59.86' 090°

6.3 NM to Fld. Unk/1°39.9'W

ILS/RADAR - →ILS - BRG 089° LCZR I-ABT 110.7 GS 2.5° **→ILS** - BRG 269° LCZR IAE 109.7 GS

3° ■ **RADAR** - ASR - 140.6 344.0 386.525 PAR - 358.575 385.4 Opr 0700-1300Z. GCA O/S

UFN.

AL BADIE, YM **OYBA** CIV N18°43.16' E50°50.21' 908 UTC+3 **H-14G, L-20H**

RWY-06

(9962x148 ASP)

RWY-24

REMARKS - Opr SR-SS.

COMMUNICATIONS - RDO - 118.9

AL BAHA, SA **OEBA** CIV N20°17.77' E41°38.06' 5486 UTC+3 **H-14F, L-20G**

(B) **RWY-07** L5,33,43

(10991x148 ASP PCN 60 F/B/X/T)

L5,33,43 **RWY-25**

10204→

←10204

COMMUNICATIONS - CTAF - 122.8 **CRASH SVC** - Call Fire Rescue Svc 15 min prior ETA.

133.5

NAVAIDS - AL BAHA VORTACW - HA 113.500 BHA CH 82 N20°17.55' E41°37.75' At Fld.

5468/2°28.3'E

ILS/RADAR - →ILS DME - BRG 249° LCZR I-BHA 110.5 CH 42 GS 3°.

ALBENGA, (C PANERO) IT **LIMG** CIV N44°03.04' E8°07.65' 148 UTC+1(+2DT) **L-11D**

(B) **RWY-09** L7

(4688x148 ASP SWL55)

L7,50 **RWY-27**

4393→

SERVICE - LGT - PAPI Rwy 27 GS 3.5° MEHT 44'. PAPI axis displ 4° N, az 5° left RCL and 4°

rgt RCL. Obst protection non-inst. **FUEL** - (NC-100LL, A1) **OIL** - O-117-128

REMARKS - Opr 0600Z-2100Z++. **RSTD** - Only acft having performance to assure a safe

sepn fr obst surrounding A/D are allowed to tkof fr Rwy 27. Rwy 09 ldg day only. Dur ngt

only tkof fr Rwy 09 allowed. **CAUTION** - Severe windshear and/or turb possible with

winds greater than 15 Kt due to mt area sur A/D. **CSTMS/IMG** - CSTMS avbl

0700-1630Z++ Oct-May, 0700-1730Z++ Jun-Sep. IMG avbl 0700Z++-SS+30.

COMMUNICATIONS - INFO - (V) 123.85 257.8X

NAVAIDS - ALBENGA VORW-DME - L 116.950 ALB CH 116(Y) (040/25) N44°02.89'

E8°07.66' At Fld. 136/0°50.1'E **ALBENGA NDB** - MHW 420.000 ABN N44°03.35'

E8°13.27' 265° 4.1 NM to Fld. Unk/0°51.5'E MP 0800-1100Z++ 4th Mon. **VHF/DF**

ALB VOR-DME MRA 25 NM

000°-040° 16,000'

040°-065° 9000'

065°-095° 2000'

095°-160° not usable

160°-220° 15,000'

220°-340° 18,000'

340°-000° 16,000'

B-18 AIRPORT/FACILITY DIRECTORY

ABN NDB MRA

200°-270° at 25 NM 10,000'
270°-035° at 25 NM 14,000'
035°-055° at 50 NM 10,000'
055°-200° at 50 NM 4000'
248° Radial FL100

ILS/RADAR - ➔ **LOC-DME** - BRG 269° LCZR LBN 108.9 CH 026.

ALCANTARILLA, SP LERI MIL N37°57.07' W1°13.82' 250 UTC+1(+2DT) **L-11B-13D**
RWY-07 L7,9 (3077x148 ASP AUW33) **L7 RWY-25**

SERVICE - FUEL - (J8)

REMARKS - Opr 0600-1200Z Jul thru Aug, 0530-1300Z sum, 0630-1400Z win, Mon-Fri, OT 24 hr PPR. Weekends and hol PPR 48hr. **CAUTION** - Obst penetrating apch sfc Idg Rwy 25. **MISC** - PJE cont Mon-Fri, SR-SS Sat and hol over and S of the arpt to 13,200'.

COMMUNICATIONS - TWR - (V) 118.1 137.6

NAVAIDS - ALCANTARILLA TACAN - L TRL CH 113 N37°57.07' W1°13.75' At Fld.
243/1°24.4'W **ALCANTARILLA NDB** - HW 345.000 ATR N37°57.00' W1°13.83' At Fld.
245/1°24.4'W

ALCOBENDAS, SP NDB - MHW 417.000 ACD N40°35.14' W3°40.59' 140° 7.5 NM
to BARAJAS. Unk/2°16.2'W **L-11B**

ALCOCHETE, PO LP--/LP78 MIL N38°46.12' W8°48.15' 134 UTC 0(+1DT) **L-11A**
RWY-01 (3281x98 ASP) **RWY-19**

REMARKS - Opr SR-SS. **RSTD** - Mil opr only.

AL DAWADMI, SA VORW-DME - HA 116.100 DAW CH 108 N24°26.94' E44°07.15'
At PRINCE SALMAN BIN ABDULAZIZ. 3019/2°39.0'E **H-14F, L-20G**

ALDERGROVE, (BELFAST INTL) UK EGAA CIV N54°39.45' W6°12.95' 268
UTC 0(+1DT) **H-2E-3D-5A, L-3B**
RWY-07 L4,5,33,50 (9121x148 ASP PCN 71 R/B/X/T) L3,4,5,33,50 **RWY-25**
RWY-17 L5,33,50 (6401x148 ASP PCN 71 F/C/W/U) L5,38,50 **RWY-35**
5876→ ←5899

SERVICE - AOE **LGT** - Rwy 35 apch lgt end 302' short of Idg thld. **JASU** - 1(A4) 1(E1) 1(E5)
1(E12) **FUEL** - (NC-100LL, A1) **OIL** - O-123-128-149

REMARKS - **RSTD** - Rwy 17 rpt LDA 5902'. **CAUTION** - Bird haz. When Rwy 07 in use, pilots should ensure they have identified the correct arpt, due to Langford Lodge arpt lctd 3 NM SW. Displ thld Rwy 35 unuse Idg Rwy 07.

COMMUNICATIONS - ATIS - 128.2 **APP - (R) (V)** 128.5 278.35 **TWR - (R) (V)** 118.3

GND - Opr 0800-1730Z++ 121.75 **DIRECTOR** - Opr 0700-2200Z++ **(R)** 120.9

OPS - RAF OPERATIONS 264.8

NAVAIDS - BELFAST VORW-DME - HA 117.200 BEL CH 119 (050/50) N54°39.67'
W6°13.80' At Fld. 194/(A)7°00.0'W (200/50 sctr 231° -351°) **ALDERGROVE NDB/LOM** -
MHW 332.000 OY N54°41.56' W6°05.12' 251° 5.0 NM to Fld. Unk/5°20.3'W **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 168° LCZR I-FT 110.9 CH 46 GS 3°. ➔ **ILS-DME** - BRG 251°
LCZR I-AG 109.9 CH 36 GS 3°. ■ **RADAR - (E)** 128.5

ALDERNEY, GK NDB - MHW 383.000 ALD N49°42.53' W2°11.98' 331/2°46.5'W
L-4F-7B

AL DHAFRA, (MUQATRA) AE OMAM MIL (AF) N24°14.89' E54°32.86' 77 UTC+4
H-14G, L-20H
RWY-13L L5,11,50 (12012x150 ASP PCN 69 R/A/W/T) L2,5,11,50 **RWY-31R**
←62NI UNK (115' OVRN) ←HOOK UNK (50' OVRN) ←HOOK MAAS (1450')
HOOK MAAS (1850') →HOOK UNK (50' OVRN) →62NI UNK (115' OVRN) →
RWY-13R L2,3,4,5,11,50 (12012x150 ASP) L2,3,4,5,11,50 **RWY-31L**
→BAK-15 UNK (115' OVRN) →HOOK BAK-12B (50' OVRN) BAK-14 UNK(B) (1400')
BAK-14 UNK(B) (1400') HOOK BAK-12B (50' OVRN) ←BAK-15 UNK (115' OVRN) ←

AIRPORT/FACILITY DIRECTORY B-19

REMARKS - RSTD - OFFL BUS ONLY/PPR. All acft rqr PPR at least 48hrs in adv, but no earlier than one week in adv. If possible, email requirements to 380eoss.bops@dhafra.af.mil and 380eoss.cp@dhafra.af.mil 24hr PN. AM Ops DSN 318-434-4512 or Comd post DSN 318-434-3503. All tran US MIL acft ctc Comd Post 30 min prior to landing. Host nation enforces strict compliance with FCG. For divert info, see AP/2. Acft larger than C130 carrying haz cargo coord w Base Ops no later than 72 hr prior to arr. due to Host Nation restrictions. **CAUTION** - Non-Standard VFR Rwy Hold Line on Twy Bravo 625 feet from Rwy 31R. Rwy 13L/31R apch and dep end MAAS barriers maint in a disconnected state. No 180° turns for C-130 or larger acft. Use caution for dep/arr to Rwy 13R/31L lctd aprx 4,200 ft S/SE of Rwy 13L/31R. Rwy 13R/31L is for use by host nation acft only. Acft shall not use Rwy 13R/31L unless in an extreme emerg situation or after expressed permissions from host nation and 380 EOG/CC. Twy Alpha is also used as a prim ldg sfc for host nation helicopters. All hvy acft dep Rwy 31R/13L must taxi 500 ft prior to dep roll tkof. Acft conducting static tkof must taxi 1000 ft prior to dep. Const in progress at SE end of parl twy. All acft use caution on hi speed Twy C and E due to potential FOD. Potential for hydroplaning when braking on the first 1,000 ft of Rwy 13L/31R during wet weather conditions. Acft operating on Twy Alpha btn Twys Zulu-1 and Charlie are ltd to 170 ft wingspan or less. Conc barrier in place 111 ft NE of twy cntrln. **MISC** - Ltd trns svc avbl. Plan no or min practical fuel upload. Do not plan to RON, however; if a tran aircrew is apv to RON, billeting on-base is mandatory. No off-base travel authorized for tran aircrew. No space-A pax permitted. No trash off-load, lavatory or fleet svc avbl. See <https://www.afd.scott.af.mil> for afd-specific info. Inst approaches not published in DoD FLIP. IAP's avbl at <https://private.amc.af.mil/a3/a36a/web/procedures.htm>. **RWY** - Fst 1,000 ft of Rwy 13L/31R is Con. Middle 10,012 ft of Rwy 13L/31R is ASP. Twy adjoining Rwy 31L/13R and Rwy 31R/13L are only 33 ft wide. Fst 2,335 ft of Rwy 13R/31L is CON. Middle 7,342 ft is ASP.

COMMUNICATIONS - ABU DHABI APP - 124.4 270.0 **AL DHAFRA ARR/DEP** - 124.5 254.8 **TWR** - 118.3 292.4 **REMARKS:** (Twr freq 119.6 UFN.) **GND** - 119.6 240.9

DRACO OPS - 123.45 308.35 **PMSV/CP** - 308.35 **REMARKS:** US Mil wx stn provides full obsn, fcst, and PMSV svc 24 hrs on Al Dhafra Metro or relay via DRACO OPS. ATIS not avbl at Al Dhafra. **BASS OPS** - 264.5

NAVAIDS - AL DHAFRA VORTACW - HA 114.900 MA CH 96 N24°14.81' E54°32.72' At Fld. 76(A)1°00.0'E

ALEPPO INTL, SY **OSAP** MIL/CIV N36°10.84' E37°13.46' 1276 UTC+2(+3DT)

H-13A-16G, L-15C

(B) **RWY-09** L3,4,5,12

(9547x148 ASP PCN 56 F/D/X/T)

L3,4,5,12,50 **RWY-27**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr HO. **CAUTION** - Trng act. Bird haz.

COMMUNICATIONS - APP - 119.1 118.1 **TWR** - 119.1 118.1

NAVAIDS - ALEPPO VORW-DME - HA 114.500 ALE CH 92 N36°10.76' E37°12.57' At Fld.

1276(A)2°00.0'E **ALEPPO NDB** - HHW 396.000 ALE N36°10.68' E37°12.39' At Fld.

Unk/4°17.1'E **ALEPPO NDB** - HW 365.000 MER N36°10.30' E37°18.28' 274° 3.9 NM to Fld. Unk/4°17.3'E

ILS/RADAR - ➔ **ILS-DME** - BRG 274° LCZR I-ALE 110.1 CH 38 GS 3.0° LOM MER 365

ALESUND/VIGRA, NO See VIGRA

ALEXANDRIA, GR **LGAX** MIL N40°39.07' E22°29.32' 27 UTC+2(+3DT) **H-15D, L-12G**

RWY-13

(5956x98 ASP C123)

RWY-31

REMARKS - Opr HX, nml avbl 0530-1230Z++ workdays.

COMMUNICATIONS - TWR - 123.5

NAVAIDS - ALEXANDRIA NDB - MHW 394.000 GDA N40°38.68' E22°29.35' 267° 12.7 NM to Fld. Unk/3°21.5'E Opr as required.

ALEXANDRIA INTL, EG **HEAX** CIV N31°11.03' E29°56.93' -6 UTC+2(+3DT)

H-10H-16F, L-16E

(B) **RWY-04** L5,12,50

(7221x148 ASP PCN 48 F/D/X/U)

L25,11,50 **RWY-22**

RWY-18

(5909x98 ASP PCN 48 F/D/X/U)

L5,12,50 **RWY-36**

SERVICE - FUEL - (NC-A1)

B-20 AIRPORT/FACILITY DIRECTORY

REMARKS - RSTD - Rwy 18/36 not auth for acft heavier than AUW 150.

COMMUNICATIONS - RDO - 5790 3175 (3175 sby) **APP** - 120.3 **TWR** - 120.3

NAVAIDS - ALEXANDRIA VORW-DME - HA 115.900 AXD CH 106 N31°11.22' E29°57.02'
At Fld. 10/(A)3°00.0'E

ALEXANDROS PAPADIAMANTIS, GR **LGSK** CIV N39°10.63' E23°30.22'

54 UTC+2(+3DT) **H-15D, L-12H**

RWY-02 L5,9,50

(5341x98 ASP PCN 42 F/D/X/U)

L5,9,50 **RWY-20**

5151→

SERVICE - FUEL - Unavbl UFN (NC-A1).

REMARKS - Opr by NOTAM. **RSTD** - All acft must use turn cir at rwy ends unless inst otherwise. Acft taxi on turn cir apch end Rwy 02 must make turn with lo pwr and hold aft thld for tkof due to proximity of rwy with public road. Use lo pwr to enter and exit apn. Dist btn twy and blast fences 73.8'. **CAUTION** - Bird haz.

COMMUNICATIONS - SKIATHOS APP - (V) 126.05 122.1 257.8

SKIATHOS TWR - (V) 126.05 122.1 257.8 **SKIATHOS RDO** - 5637 2989 (5637
0400-1700Z++) (2989 1700-0400Z++)

NAVAIDS - SKIATHOS NDB - MHW 326.000 SKC N39°10.45' E23°30.05' At Fld.
Unk/3°21.9'E

ALEXANDROUPOLIS, GR See DIMOKRITOS

ALGER ACC/FIC, AG **DAAA** MAGHREB CON - Center **TCA** - 127.3 **132.45**

(132.45 Abv FL 195) **124.9** 124.9 **Northeast TCA** - **124.6** 124.6 **125.4** 125.4 **Oran TCA**
- **125.7** 125.7 **MAGHREB INFO** - (3419 O/S UFN) (**5652** 5652 **8894** 8894 SSB/USB)
13273 13273 (17961 O/S UFN) **S Cntr Sctr** - **131.3** 131.3 124.6 **SE Sctr** - **124.6** 124.6
124.1 124.1 **SS Sctr** **128.1** 128.1 123.8 123.8 **SW Sctr** - **128.1** 128.1 **METAR** - Opr
H+10/40 0500-2200Z. 126.8 **H-9A-B-C-D-11B-C-D-12E, L-11D-13B-C-D-14E-19B-C**

ALGER, AG See HOUARI BOUMEDIENE

AL GHADAH INTL, YM **OYGD** CIV N16°11.50' E52°10.50' 134 UTC+3

H-14G, L-20H

RWY-08 L38,50

(8858x148 ASP PCN 60 F/B/W/U)

L38,50 **RWY-26**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr SR-SS.

COMMUNICATIONS - A/G - 7595 **TWR - (V)** 119.3 **GND** - 121.6

NAVAIDS - AL GHADAH NDB - HHW 354.000 GDA N16°11.28' E52°09.72' At Fld.
Unk/0°34.5'E Opr SR-SS

ALGHERO, (FERTILIA) IT **LIEA** CIV N40°37.93' E8°17.45' 87 UTC+1(+2DT)

H-15B, L-11D

(B) **RWY-02** L6,9,50

(9843x148 ASP PCN 80 F/A/W/T)

L6,9,11,50 **RWY-20**

SERVICE - AOE **LGT** - PAPI Rwy 02 MEHT 52', Rwy 20 MEHT 56'. Flg lgt 2.2 NM S of Rwy 02
on extn RCL. **FUEL** - (NC-100LL, A1) (100LL avbl 0700-1100Z++, 1330-1600Z++ PPR 1 hr
C+39 349 1099309, A1 avbl 0415-2100Z++) **OIL** - O-117 **TRAN ALERT** - Opr
0600-2000Z++.

REMARKS - RSTD - Ldg ldt to acft with less than 171' wingspan and 200' len. Ldg Rwy 02
ltd, day only, ctc ATC for instr. Acft with max tkof wt avb 12,560 lb proh back taxi on rwy
(exc con rwy heads). Twy F btn twy H and B open to acft up to 154' wingspan.

CAUTION - Stu trng act. Lo level wind shear possible. Stray dogs may be on rwy. Debris on
parl twy, use min speed and min eng pwr.

COMMUNICATIONS - ATIS - 125.025 **APP - (E)** 128.55 278.65 **TWR - (E)** 118.85 257.8

AIRPORT/FACILITY DIRECTORY B-21

NAVAIDS - ALGHERO VORTACW - HA 113.800 ALG CH 85 (150/50) N40°37.68' E8°14.63' 083° 2.2 NM to Fld. 1447/(A)0°00.0'E (200/50 to the SE) MP VORTAC 0700-0800Z++, TACAN 0700-1000Z++ 1st Fri; VORTAC 1300-1400Z++, TACAN 1300-1600Z++ 3rd Fri. **ALGHERO TACAN** - HA AHO CH 30 N40°38.17' E8°17.37' At Fld. 88/0°54.0'E **ALGHERO NDB** - MHW 382.000 ALG N40°38.40' E8°17.50' At Fld. Unk/0°54.0'E MP 0700-1000Z++, 1st Tue. **VHF/DF**
ALG VORTAC MRA at 40 NM 050°-160° 5500'
160°-050° 3500'
AHO TACAN MRA at 40 NM 020°-170° 10,000'
170°-210° 3000'
210°-280° 22,000'
280°-020° 12,000'
ALG NDB MRA at 50 NM 190°-350° 4000'
350°-190° 10,000'

ILS/RADAR - ➔ ILS-DME - BRG 205° LCZR AHO 109.3 CH 30 GS 3° LOM AH 337. Apch rt sctr use wi 7°. BC unuse. Cov reduced to 18 mi.

AL HAMADA, LY **NDB** - MHW 415.000 GW N29°32.00' E12°50.00' Unk/1°15.0'E Opr O/R **L-14F**

AL HAWTAH, SA See HAWTAH

AL HOCEIMA, MO **VORW-DME** - HA 115.000 ALM CH 97 N35°11.46' W3°50.50' At CHERIF EL IDRISSE. 46/(A)5°0.0'W **NDB** - HHW 401.000 ALU N35°10.87' W3°50.67' At CHERIF EL IDRISSE. Unk/2°5.0'W **H-9B, 16H, L-13C**

ALIABAD, IR **NDB** - MHW 397.000 AA N35°38.02' E51°25.06' 3603/4°01.5'E **H-13C, L-17B**

ALI AL SALEM AB, KU **OKAS** MIL N29°20.80' E47°31.25' 472 UTC+3 **H-13C, L-18E**

RWY-12L	(9805x132 PEM PCN 50 R/B/W/T)	RWY-30R
HOOK MAAS(B) (2500')		HOOK MAAS(B) (2500')
RWY-12R L2,5,6,7,11,50	(9805x146 PEM PCN 56 R/B/W/T)	L2,5,6,7,11,50 RWY-30L
←BAK-15 UNK (120' OVRN) HOOK MAAS(B) (2000') HOOK MAAS(B) (1954') BAK-15 UNK (166' OVRN) →		

SERVICE - LGT - Emerg afld lgt sys (EALS) in use on Rwy 12R/30L and Rwy 12L/30R at reduced ints, non std lgt. This sys incl rwy, edge, thld, dep end lgt and PAPI. Rwy 12L/30R PAPI for mil use only (flyability checked). Rwy lgt on all rwy have potential to lose pwr w ntc, dur these times exp to see AMP-3 lgt setup on rwy in use. **A-GEAR** - A-G avbl 30 min PN by ctc afld mgr, DSN 318-442-2047. BAK-15 O/S UFN. Potential exists for possible hook skip at S Hook MAAS (B) due to uneven pavements on 12R/30L where conc sfc meets asphalt sfc.

REMARKS - RSTD - PPR 24 hr PN rqr. Ctc Afld Mgr at DSN 318-442-2047 or Comd Post DSN 318-442-2920 (Opr H24). All US acft ctc Comd Post 30 min prior to ldg. Afld rstd to C17 acft or smaller. 48 hr prior coord with host nation and Afld Mgr apvl for larger that C-17 acft. Due to narrow twy, C130 and P3 acft will taxi to and fr rwy with only inboard motors. All acft executing 180° turns on either rwy 12R/30L must perform the maneuver on last 1250' (conc ends) of the rwy. Severe rwy sfc damage and FOD will result if rstd is not flw. Acft prk extremely ltd. Deviations over 1 hr after sked time will result in lengthy delays. Acft with VIP ctc comd post 30 min prior to ldg with ETA and code. **CAUTION** - Unlgtd hardened acft shelters 680' SW of rwy cntrln at thld of Rwy 12R/30L. Use ctn for unctd movement area w/hvy veh tfc on C-Loop. Potential FOD haz exists, especially on C-Loop. Aircrews should use extreme ctn and report FOD. Windssocks are not lit. A/D Bcn O/S. 12L and 12R are not visible fr ctl rwy due to obst. Twy have nstd mrk. Acft taxing to the W of hardened acft shelter 2 and 3 must flw displ twy cntrln, twy unuse for acft wingspans larger than a C130, small unlgted bldg lctd 92 ft W of displ cntrln. See addn arr and dep pro in AP/2. All twy NE of 12L/30R are for C130 acft or smaller. The exception is the turnoff fr apch end 30R to twy charlie to spot 14A (C17 or smaller). All twy btn the inside and outside rwy are suitable for C17. **MISC** - First 1250' Rwsy 12R/L and 30L/R conc, middle 7351' asphalt. No radar apch ctl avbl, fly full apch pro on all instn pro. No COMSEC stor avbl at base OPS. **RWY** - Rwy 12L/30R used as a main parl Twy. Acft arr on 12R/30L must hold short and ctc GND before cros 12L/30R (Main Twy) unless instr otherwise.

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COMMUNICATIONS - MOHALAB APP - 128.3 302.0 (302.0 prim) **TWR** - 118.0 303.0 (303.0 prim) **GND** - 250.1 **COMD POST** - (Call CORNERSTONE) 253.0
METRO - 372.725
NAVAIDS - ALI AL SALEM VORTACW - T 116.000 ASB CH 107 N29°20.64' E47°31.13'
At Fld. 455/(A)2°0.0'E
ILS/RADAR - ILS, ILS-DME 30L

ALI BASE ACC, IZ **ORBB MIL CON** - 132.775 322.05 **H-13B,C, 16H, 17A, 18E**

ALI BASE, (TALLIL AB) IZ **ORTL AF** N30°56.15' E46°05.41' 20 UTC+3(+4DT)
H-13B, L-16H-18E

RWY-12L	(10935x148 CON PCN 41 R/B/W/T)	RWY-30R
RWY-12R	(9991x148 CON PCN 45 R/B/W/T)	RWY-30L
HOOK MAAS(B) (1460')		HOOK MAAS(B) (1450')

SERVICE - LGT - Rwy 12R/30L and 12L/30R emerg afld lgt sys (EALS) in use at rdc instnt, nstd lgt. Apch lgt consists of three SFL and 1000 ft lgt bar til thld lgt bar. **FUEL** - Ltd supply of J8. **FLUID** - LOX svc avbl. **TRAN ALERT** - Avbl.

REMARKS - RSTD - Indb trans acft for full stop at Ali Base ctc wing OPS cntr (KINGFISH FOXTROT) on 230.3 30 min prior to arr. If unable to ctc 30 min out, make an attempt 15NM as well. PPR rqr for all Civil and Mil (exc R/W tfc ldg at the FARP). Ctc AMOPS at 318-445-2448/2449 or Email: 407EOSS.AMOPS@tlab.centaf.af.mil. Same day mil PPR coord will be accepted (exc for C17 and larger acft), but given lo priority. All civ acft must coord 24 hr prior. Acft not issued a PPR will be turned away. Acft prk extremely ltd. Deviations over +/- 30min fr coord ETA and ETD will result in len delays. Arr/dep outside of this window ctc AM OPS to update PPR. R/W acft repositioning fr FARP to N ramp not auth. No afld lgt avbl on twy Kilo. All acft conducting eng running on loads/offloads reduce eng to min pwr settings. When temperature are at or abv 32.5° celsius no eng running on loads/offloads will be conducted. No fleet svc, catering, flt planning or FLIP avbl for mi/civ acft. AM OPS has no COMSEC stor avbl. Under no circumstances will any acft ldg at the Ziggurat or the Ruins of Ur. Anyone destined for these lctn must land at Ali Base and gnd transport to the site. No R/W acft permitted within 1 km of coord N31°02.9' E46°03.56' (E side of E ramp) due to gnd fuel opr. Does not apply to MEDEVAC R/W acft. Twy Alpha ldt to R/W acft only, btn twy Kilo and Charlie (no F/W acft). Acft req black-out opr must ctc Ali Base Comd Post on 230.3 at least 30 min prior to arr. No 180° turns on rwy for large frame acft unless no other options are avbl. All large frame acft must start tkof roll 1000 ft fr thld Rwy 12R/30L. Hvy acft should avoid using reverse thrusters. If reverse thrusters are rqr, use the in-boards to the max extent possible to avoid FOD damage. Exp possible delays of up to 30 min for removal of FOD fr rwy flw arr or dep of hvy acft. Hvy acft flw altn twy cntrlr on twy Bravo abm twy Golf to avoid R/W acft. **CAUTION** - The flw areas are designated EOD ranges, IT EOD range start at N30°58'20.74 E46°08'10.20, N30°58'39.29 E46°09'55.98, N30°58'15.97 E46°10'59.77, N30°56'51.53 E46°10'58.73, N30°56'23.66 E46°08'27.66 and the U.S. EOD range is a 4000' rad around pt N30°54'23.44 E46°06'22.86 consult twr for act status of both ranges. Garibaldi firing range lctd btn coord N30°52' 07.61 E 046°00' 52.75, N30°47' 31.52 E 046°00' 53.58, N30°46' 56.90 E046°05' 12.82, N30°46' 55.69 E046°07' 43.27, N30°51' 02.70 E046° 07' 16.10. Granite firing range lctd btn coords N30°49'.02 E045°59'06, N30°55'01 E46°00'01, N30°57'03 E45°56'06, N30°52'04 E45°52'07. Obst haz 100 ft AGL twr ° mile E of afld. 42 ft twr lctd 4400 ft fr apch end Rwy 30R thld on cntrlr. 250 ft twr lctd 3NM SW of afld. Obst is unlit. Radar tfc advsy avbl on transponder acft only. Twy Bravo cntrlr nstd btn twy Foxtrot and Charlie. Acft should exer caution while taxing. Twy lgt is extremely ltd. Due to narrow twy all C130/larger acft must use inboard eng min pwr settings only dur taxi opr. Significant FOD haz exists on rwy and twy. Windssocks not avbl. **TFC PAT** - R/W tfc intending to use FARP, ctc twr 396.45 or 122.125 prior to 5NM fr fld. Exp an apch to the active rwy unless directed otherwise by ATC, gnd taxi to FARP along Twy Kilo to Twy Alpha Ali Base FARP (Air Boss Freq 244.05). Do not shutdown on Twy Alpha unless directed. FARP overflow prk is on the finger twy Echo of FARP. Do not land directly at FARP. **MISC** - Wx fcst (avbl H24 Sun-Sat). Wx radar avbl. Ck NOTAM (ident ORTL) at <https://www.notams.jcs.mil> for tmpry chg in wx svc. Remote wx brief avbl for mil opr H24, CENTAF Opr Wx Squadron (OWS) DSN 312-965-0907; C +1 803-895-0907. Acft opr should exp to provide towing arm.

COMMUNICATIONS - DISPATCH - 250.8 **APP** - (E) 126.925 378.65 **TWR** - (E) 122.125 396.45 **GND** - 118.875 247.2 **KINGFISH FOXTROT** - 230.3 **METRO** - 317.025
AIR BOSS - 244.05

AIRPORT/FACILITY DIRECTORY B-23

NAVAIDS - TALLIL TACAN - HA TAL CH 84 N30°56.12' E46°05.44' At Fld. 19/(A)3°00.0'E
MP 0500-0800Z++ Sat.

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA. ASR MP 0001-0200Z++
dly.

ALICANTE, (EL ALTET) SP **LEAL** CIV N38°16.93' W0°33.49' 142 UTC+1(+2DT)

H-15A-16I, L-11B

RWY-10 L4,5,9,33,50 (9842x148 ASP PCN 64 R/B/W/T) L4,5,33,50 **RWY-28**

SERVICE - FUEL - (NC-100LL, A1) **OIL** - 0-125-128

REMARKS - RSTD - NORDO proh. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - ATIS - 113.8 **APP** - 118.8 119.075 120.4 **TWR - (E)** 118.15 257.8
119.075 **GND** - 121.7

NAVAIDS - ALICANTE VORW-DME - HA 113.800 ALT CH 85 N38°16.10' W0°34.21' At Fld.
166/1°13.8'W **ALICANTE VORW-DME** - HA 114.650 ATE CH 93(Y) N38°17.17' W0°35.20'
102° 1.4 NM to Fld. 192/1°14.1'W O/S UFN. **VHF/DF**

ILS/RADAR - ILS-DME 10

AL ISMAILIYAH, EG **HE--/HE44** MIL N30°35.93' E32°14.08' 39 UTC+2(+3DT)

H-10H-14E-16G, L-16F

RWY-13 (10555x148 ASP) **RWY-31**

SERVICE - FUEL - (NC-A1, J)

REMARKS - Opr SR-SS VFR only. **CAUTION** - Hi trees near apch end Rwy 31. **MISC** - Arpt
movement msg to incl HQ UNEF Ismailiyah (as fst words of text mark: for CASO) as an
addressee to enable arng of EAF clnc. Special arpt entry/exit req briefing avbl fr USDAO
Cairo.

COMMUNICATIONS - UN ISMAILIYAH OPS - Opr SR-SS 3975 4704 5690 6204 6632 6810
6905 9006 11233 13231 13257 **APP** - 119.1 352.7 **TWR** - 118.1 118.5 352.7

AL JOUF, SA **OESK** MIL/CIV (AF) N29°47.11' E40°06.00' 2261 UTC+3

H-13B-14F, L-16G

(B) **RWY-10** L5,12,50 (12011x147 ASP PCN 67 F/A/W/T) L5,33,50 **RWY-28**

HOOK UNK(B) (1600') HOOK UNK(B) (1511')

SERVICE - FUEL - (NC-A1)

REMARKS - RSTD - PPR. Fone C04-624 5668, Telex 821061 AJAPCA SJ, fax C04-624-6224

COMMUNICATIONS - CTAF - 122.8 **TWR** - Opr by NOTAM. (E) 118.9 336.6

GND - 121.9 **CRASH SVC** - Call Fire Rescue Svc 15 min prior ETA. 133.5

NAVAIDS - AL JOUF VORTACW - HA 117.800 AJF CH 125 N29°47.34' E40°04.45' 100°
1.4 NM to Fld. 2261/3°29.0'E

ILS/RADAR - ILS-DME 28

AL KHOR, QA **OTBK** CIV N25°37.78' E51°30.40' 10 UTC+3 **L-18F-20G, H-14G**

RWY-14 (5249x98 ASP)

RWY-32

REMARKS - Opr 0200-0800Z.

COMMUNICATIONS - TWR - 120.45

AL KUT, IZ See UBAYDAH BIN AL JARRAH

ALLENDORF EDER, GM **EDFQ** CIV N51°02.09' E8°40.85' 1164 UTC+1(+2DT)

L-5B

(B) **RWY-11** L4,5,9 (4068x98 ASP PCN 40 F/B/X/T) L4,5,9,20,50 **RWY-29**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr PPR Oct- Mar; 0700-1530Z Tue-Fri, 0800-1630Z Sat, Sun, hol, OT 24hr

PPR. **RSTD** - PPR for acft over 13,000 lb up to 33,000 lb. Avoid ovft residential areas.

CSTMS/IMG - Avbl 0700-1330Z++ Tue-Thu, 0700-1200Z++ Fri, Sat, Sun and hol; O/R
preceding workday Tue-Thu til 1330Z++ Fri 1200Z++. PAX wo merchandise only.

COMMUNICATIONS - ATIS - Opr H24 118.825 **LANGEN RADAR - (R)** (E) 124.725 264.8
INFO - 118.175 15 NM to 3000 ft AGL. **LANGEN INFO** - 123.525

B-24 AIRPORT/FACILITY DIRECTORY

NAVAIDS - VHF/DF

ALLERSBERG, GM

VORW-DME - HA 111.200 ALB CH 49 (060/50) N49°12.86' E11°13.29' 1434/(A)1°0.0'E (DME max 80 NM)

ALB DME unuse 0x-360x

ALB VOR unuse 020x-350x

ALB VOR unuse 350x-020x

0-10NM blw 2500'

10-20NM blw 3800'

20-30NM blw 5000'

30-40NM blw 6700'

40-50NM blw 8300'

50-60NM blw 10100'

60-70NM blw 12000'

70-80NM blw 14100'

0-25NM blw 5000'

25-30NM blw 6000'

30-40NM blw 6700'

40-50NM blw 8300'

50-60NM blw 10100'

0-20NM blw 5000'

20-30NM blw 6000'

30-40NM blw 6700'

40-50NM blw 8300'

50-60NM blw 10100'

H-6I, L-6H

ALLGAU, GM See MEMMINGEN ALLGAU

ALLSTEDT, (QUERFURT) GM

EDBT PVT N51°22.83' E11°26.80' 932 UTC+1(+2DT) L-5C

RWY-07 (3937x98 CON AUW 12.5) RWY-25

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr 0700Z-SS+30/1900Z, OT PPR. RSTD - PPR for acft AUW 12.5 to AUW 30.8. CAUTION - Extv copter, gldr and unmanned acft ops.

COMMUNICATIONS - INFO - 122.0 15NM 3000' AGL. BERLIN INFO - (E) 125.8

ALMA, SW VORW - HA 116.400 ALM (060/50) N55°24.68' E13°33.45' Unk/(A)2°00.0'E H-2G-5D, L-2F

ALMAGRO, SP NDB - MHW 332.000 EAL N38°57.13' W3°45.42' Unk/2°12.0'W L-11B

AL MASSIRA, (AGADIR AL MASSIRA) MO

GMAD CIV N30°19.50' W9°24.78' 250

UTC 0 H-9A, 11C, L-13B

(B) RWY-10 L4,5,50 (10499x148 ASP PCN 46 F/A/W/T) L3,4,5,29,50 RWY-28

SERVICE - AOE LGT - ABn coded ALM. FUEL - (NC-100LL, A1)

COMMUNICATIONS - AGADIR APP - (V) 120.9 AGADIR TWR - (V) 119.5

NAVAIDS - AGADIR VORW-DME - HA 117.200 ADM CH 119 N30°19.32' W9°23.00' 281° 1.5 NM to Fld. 295/(A)5°00.0'W AGADIR NDB - HW 402.000 AML N30°19.42' W9°27.28' 092° 2.2 NM to Fld. Unk/3°56.2'W AGADIR NDB/LOM - HW 396.000 ALS N30°19.22' W9°19.17' 278° 4.9 NM to Fld. Unk/3°53.5'W

ILS/RADAR - →ILS-DME - BRG 277° LCZR ADA 110.3 GS 3° LOM ALS 396.

ALMAZA AFB, EG

HEAZ MIL N30°05.51' E31°21.60' 300 UTC+2(+3DT)

H-10H-14E-16G, L-16E

(B) RWY-05 (3917x164 ASP PCN 27 F/A/W/U) RWY-18 L2,6,12 (6726x148 ASP PCN 27 F/A/W/U) L2,6,12,50 RWY-38

←61QSII UNK (30' OVRN) 61QSII UNK (32' OVRN) →

SERVICE - LGT - PAPI Rwy 36 GS 3.9°. FUEL - (NC - A1)

REMARKS - RSTD - PPR

COMMUNICATIONS - CAIRO APP - 119.05 119.55 120.7 CAIRO TWR - 118.1 119.55 TWR - 132.9 263.0

AIRPORT/FACILITY DIRECTORY B-25

NAVAIDS - ALMAZA TACAN - T MXR CH 110 N30°05.53' E31°21.44' At Fld. 304/3°20.4'E
ALMAZA NDB - HW 490.000 A N30°04.44' E31°21.57' 359° 1.1 NM to Fld. Unk/3°20.3'E
ILS/RADAR - ➔**ILS-DME** - BRG 358° LCZR IALZ 109.3 CH 30 GS 3.9°

ALMERIA, SP **LEAM** CIV N36°50.64' W2°22.21' 70 UTC+1(+2DT) **H-9B-161, L-13C**
RWY-08 L5,9,38,50 (10499x148 ASP PCN 100 F/B/W/T) L5,9,33,50 **RWY-26**
10007→
SERVICE - FUEL - (NC-100LL, A1) **OIL** - O-123-125
REMARKS - Opr 0610-2145Z++. **RSTD** - 30 min PPR. NORDO proh. **CSTMS/IMG** - Avbl.
COMMUNICATIONS - APP - 118.35 **TWR - (E)** 118.35 257.8 **GND** - 121.7
NAVAIDS - ALMERIA VORW-DME - HA 114.100 AMR CH 88 N36°49.99' W2°15.57' 280°
5.4 NM to Fld. 233/(A)3°00.0'W **ALMERIA NDB** - HW 310.000 AMN N36°50.90'
W2°22.75' At Fld. Unk/1°42.5'W **VHF/DF**
ILS/RADAR - ILS-DME 26

ALPHA 103, LY **NDB** - MHW 334.000 OXY N29°02.00' E20°46.00' Unk/2°15.1'E
L-19D-20E

ALPNACH, SZ **LSMA** MIL N46°56.63' E8°17.05' 1460 UTC+1(+2DT) **L-9B**
RWY-01 L3,7,12,50 (4920x130 ASP) L7,20 **RWY-19**
SERVICE - LGT - PAPI Rwy 01 GS 4.5°.
REMARKS - Opr 0630-1105Z++, 1215-1605Z++ Mon-Fri exc hol. **RSTD** - PPR.
COMMUNICATIONS - ARR/DEP - (R) 139.45 141.875 143.775 249.8 279.05 337.875
TWR - 119.625 370.175 **INFO** - 138.05 268.625

AL QAIM FOB, (AL QAIM) IZ **ORAQ** MC N34°15.98' E41°09.73' (37SFT9907093796)
797 UTC+3(+4DT) **H-13B, L-16G**
(499x499 SAN CH47)
REMARKS - RWY - Actual dimension of helipad is 2175 ft by 750 ft.
COMMUNICATIONS - OLD SCHOOL TWR - 139.55X 255.8

AL SAHRA AAF, (TIKIRT) IZ **ORSH** A N34°40.39' E43°32.58' 451 UTC+3(+4DT)
H-13B, L-16H
RWY-14L (CLSD 7341x165 ASP **RWY-32R**
PCN 47 R/B/W/T)
RWY-14R (10225x150 CON PCN 39 R/B/W/T) **RWY-32L**
SERVICE - LGT - Rwy 14R/32L has solar lgts set at 50 percent. **FUEL** - No fuel for F/W acft.
REMARKS - RSTD - Arpt PPR for all tran civ F/W acft and mil F/W acft not in the Global
Decision Support System (GDSS). PPR good for +/- 30 min fr PPR apvl time. Fone coord is
rqr for PPR outside of block time. Civ F/W acft not issued a PPR may be turned away or met
by security forces. RAMCC will cont to slot civ acft UFN. RAMCC no longer issues slot time
for mil acft. Mil PPR may be issued on short notice but advance notice is presumed and will
be exp. All mil PPR also serve as slot times. For msn executed in GDSS, planners should not
plan msn that will exceed GDSS issuance or revocation. AM ops DSN 302-24201878/1423.
Email: NIPR alsahra.operations@us.army.mil; SIPR alsahra.towersafely@42ID.army.smil.mil.
Acft are rqr to use inboard eng only on all twy to ctl FOD. Tran acft ctc KINGFISH QUEBEC
15 min prior to ldg. **CAUTION** - Rwy 14L/32R clsd to F/W tfc. Both rwy are 6584' apart.
Unctl veh opr on Twy A. Significant FOD haz exists on rwy and twy. Aircrews advs to use
caution dur wet rwy sfc cond. Hi potential exists for hydroplaning due to excess rubber
build up on Rwy 14R/32L. **MISC** - No FLIP, COMSEC stor, or flt planning capabilities.
RWY - Rwy 14L/32R clsd due to unsafe rwy sfc. Ltd twy and rwy signs, all signs are unlgtd.
COMMUNICATIONS - KIRKUK APP - 129.75 (North sector) **BAGHDAD ARR** - 128.2
(South sector) **SPEICHER TWR** - 141.55 335.3 **SPEICHER GCA** - Opr 1500-0400Z++, OT
30 min req. 126.1 139.8 **KINGFISH QUEBEC** - 228.175
NAVAIDS - AL SAHRA NDB - MHW 1669.000 TKT N34°39.95' E43°32.40' At Fld.
423/4°06.6'E
ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

B-26 AIRPORT/FACILITY DIRECTORY

AL-SHIGAR, SA **VORW-DME** - HA 112.300 ASH CH 70 N30°07.37' E38°47.88'
1810/3°32.5'E **H-13B, L-16G**

ALSIE, DA **VORW** - HA 114.700 ALS (060/50) N54°54.32' E9°59.60' Unk/(A)1°00.0'E (60/50
312°-062°;80/50 197°-242°) **H-2G-5D, L-2E**

ALTA, NO **ENAT** CIV N69°58.57' E23°22.30' 9 UTC+1(+2DT) **H-1C, L-1D**
RWY-11 L5,40,50,55 (7165x131 ASP PCN 40 F/B/X/U) L5,40,50,55 **RWY-29**
6491→ ←6747

SERVICE - LGT - PAPI Rwy 29 GS 4.2', is offset 5° N of RCL and use rstd to or inside cir lgt.
Cir lgt N of arpt CW to Rwy 29. **FUEL** - Avbl 0530-1430Z++, 1545-1745Z++ Mon-Fri;
1745-1950Z++ Fri; 0530-0700Z++, 1000-1400Z++ Sat; 1225-2000Z++ Sun. (NC-80, 100LL,
A1) **FLUID** - De-Ice avbl 0530-2230Z++ Mon-Fri, 0530-1430Z++ Sat, 1230-2230Z++ Sun.

REMARKS - CAUTION - Windshear and eddies may occur on short final, especially to Rwy
11. **CSTMS/IMG** - Avbl 0700-1430Z++ Mon-Fri, PN 4 hr. **MISC** - Ldg fees. **RWY** - Rwy 11
LDA 6073', TORA 6749'. Rwy 29 LDA 6257', TORA 6355'.

COMMUNICATIONS - ATIS - Opr 0600-2200Z++ Mon-Fri, 0600-1300Z++ Sat,
1300-2200Z++ Sun. 118.175 **TWR - (V)** 118.1 120.4

NAVAIDS - ALTA VORW-DME - HA 117.400 ATA CH 121 N69°58.65' E23°22.31' At Fld.
32/(A)7°00.0'E **ALTA NDB/LMM** - MHW 358.000 ALA N69°59.54' E23°17.59' 113°
1.9 NM to Fld. 44/8°54.4'E **VHF/DF**

ILS/RADAR - → ILS - BRG 114° LCZR AT 108.9 GS 3.7° LOM TV 330 LMM ATA 358.

AL TAJI AAF, IZ **ORTI** A N33°31.43' E44°15.40' (38SMC3098109612) 121
UTC+3(+4DT) **H-13B, L-16H**
RWY-16 (5770x164 PEM PCN 21 F/A/W/T) **RWY-34**

SERVICE - LGT - Rwy 16/34 solar rwy edge lgt set dim. Rwy 34 apch solar lgt dim. **FUEL** -
J8. 24 hr PPR for all tran. FARP 0.9 NM NE of Rwy 34 dep.

REMARKS - CAUTION - See current TAC/TAP for arr/dep pro, acft lgt and avoidance areas.
TFC PAT - Rwy - E 300' AGL. FARP - E 200' AGL. **MISC** - Tran prk directed by twr. Afld
auth at DSN 318-834-3801 VOIP 242-6036/7 ATS DSN 302-834-3199 VOIP 302-242-6628.
Afld wx stn provides full obsn, fcst and PMSV svc, DSN 318-834-3017, VOIP 242-6004. No
wx radar svc avbl. Wind and altimeter setting data est. Offl obsn pt/vis determined at 30'
AGL. View fr obsn pt rstd NE and SE.

COMMUNICATIONS - CTAF - 122.0 **TWR** - 40.85 126.0 265.0 **FARP** - 88.1

NAVAIDS - TAJI NDB - MHW 1650.000 TAJI N33°31.62' E44°15.42' At Fld. 121/3°53.4'E

AL TAQADDUM AB, (HABBANIYAH PLATEAU) IZ **ORAT** MC
N33°20.28' E43°35.82' 275 UTC+3(+4DT) **H-13B, L-16H**
RWY-12L L5 (12087x150 PEM PCN 40 R/B/W/T) L5 **RWY-30R**
RWY-12R L5,50 (13186x200 CON PCN 40 R/B/W/T) L5 **RWY-30L**
←9783

SERVICE - LGT - Tactical PAPI are lctd on Rwy 12R. Proper visual display for 3° GS indication is
one single red lgt (inboard) and one single white lgt (outboard). **FUEL** - Ltd supply of J8.
F/W cold fuel only. There are no F/W hot refuel pits.

REMARKS - RSTD - PPR only afld. Must call btn 0500-1500Z++ daily. PPR for all tran civil acft
and non air tasking order mil F/W acft. For PPR call DSN 318-3422-335. Email:
tafc@acemnf-wiraq.usmc.mil. Special rqr msn and VIP O-6 and abv, DSN
318-342-2344/41.

COMMUNICATIONS - INFO - 226.275 **APP** - 125.25 147.3 295.85 **TWR** - 135.775
275.275 **GND** - 290.85 **A/DACG** - 129.375 299.825

NAVAIDS - AL TAQADDUM TACAN - HA MAT CH 70 N33°20.37' E43°35.64' At Fld.
275/(A)4°00.0'E

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

ALTENBURG NOBITZ, GM **EDAC** CIV N50°58.91' E12°30.38' 640 UTC+1(+2DT)
H-6I, L-5D
(B) **RWY-04** L2,5,9,23,50 (7333x148 CON PCN 48 R/A/W/T) L2,5,9,23,50 **RWY-22**
6480→ ←6348

AIRPORT/FACILITY DIRECTORY B-27

SERVICE - LGT - PAPI Rwy 22 GS 3.3°. **FUEL** - (NC 100LL, A1) **FLUID** - De-Ice

REMARKS - Opr 0700-1700Z Mon-Fri; 0800-1600Z Sat, Sun, hol. (0530-1800Z Mon-Fri; 0700-1700Z Sat, Sun, hol; OT PPR DT). **RSTD** - Arpt avbl for acft less than 176,368 lb or speed cat A, B, C. **MISC** - Class D Airspace eff 0700-1500Z++ Mon-Fri, 0800-1900Z++ Sat, Sun, hol, 1600-1900Z++ PPR. Ldg fees.

COMMUNICATIONS - TWR - 123.575 25NM 4000 ft AGL. **REMARKS**: Opr 0700-1500Z++ Mon-Fri, 0800-1600Z++ Sat, Sun, hol. 1600-1900Z++ PPR before 1100Z++ prev day.

INFO - 123.575 **MUNCHEN RADAR** - 132.3 126.175 387.675 (ARR 132.3 387.675) (DEP 126.175) **MUNCHEN INFO** - 125.8 25NM 4000 ft AGL.

NAVAIDS - ALTENBURG DME - T AGD CH 100 N50°58.96' E12°30.74' At Fid.

624/1°54.2'E **ALTENBURG NDB/LMM** - MHW 330.000 ABU N50°59.63' E12°31.26' At Fid. 581/1°56.0'E

ILS/RADAR - ➔ **ILS** - BRG 218° LCZR IALW 108.7 GS 3.3° LMM ABU 330

AL UDEID AB, QA **OTBH** MIL N25°07.04' E51°18.90' 130 UTC+3 **H-14G, L-18F, 20G**
RWY-16 L3,4,5,12,50 (12303x148 ASP PCN 83 F/A/W/T) L3,4,5,10,50 **RWY-34**
←NET 500S-8 (68' OVRN) BAK-14 500S-8(B) (1255') BAK-14 500S-8(B) (1249') NET 500S-8 (242' OVRN) →

SERVICE - LGT - Rwy 16 ALS has Simple Apch Lgt Sys-Single Source-ICAO std. Len of Rwy 16 ALS is 1378'. Beginning at 2953' remaining rwy cntnlne lgt altn red/W, last 984' all red. Rwy 34 PAPI GS not coincidental with ILS GS. **A-GEAR** - Dep BAK14 raised dur fighter ops. Ovrn nets rigged but in lowered posn. **JASU** - JASU-3 (AM32A-60) **FUEL** - J8 **TRAN ALERT** - Ltd fleet svc avbl.

REMARKS - RSTD - All acft ensure ETARYXYX is an addressee on all flt pln messages. Host country enforces strict compliance with FCG. All acft rqr PPR at least 24 hr in adv, but no earlier than one wk in adv. Acft on TACC ctl/chan msn ctc STRAT maint for PPR, DSN 318-437-5275. All others ctc AM OPS. All RON or explosive cargo msn rqr EOG/CC apvl NLT 48 hrs prior to arr. Once issued PPR only valid +/- 45 min fr apvd time. All acft inbd to Al Udeid will req freq chg to Al Udeid twr fr Doha APP CON 10 NM from afld. Do not switch to Al Udeid twr until apvd by Doha APP CON. Unless not equipped, all acft opr at Al Udeid AB will use UHF freq for twr 293.65 and gnd 292.0. AM OPS DSN 318-437-5513/5514, fax C 011-974-461-7058. All aircrew with DV (O-6 and abv) must ctc AM OPS NLT 30 min prior to arr. All AMC contract carriers, KC-10, C-17, C-5, tran C-130, tran KC-135 and tran acft req Prime Knight ctc AMCC (Boater Alpha) 30 min prior to arr. All C-20, C-21, C-40 and base asgn acft ctc 379 AEW/CP (Bark Shag Delta) 30 min prior to arr. All acft transiting Al Udeid must arr with a tow bar and qualified/capable tow team, tow supervisor or flt crew exp for the following: KC10, KC135, C-5, C-17, C-21 and UC35. Twy guidance signs unrel. Twy Z1, SE of trim pad not auth for C-130's or acft with wingspan longer than 100ft. All tran acft rqr Follow-me svc. All mil/civ acft and pers must w/CSMTS and AG. DV and Haz Cargo acft ctc Comd Post 24 hrs prior to arr for coord. All acft req eng running onloads/offloads opr must call Comd Post at DSN 318-437-2509, at least one hr prior to arr for coord and apvl. Touch and go/low apch are not allowed w/ apvl fr 379 EOG/CC. Dep flt plans must be filed two hrs prior to ETD. Acft eng start will be apv upon receipt of apv flt plan. Tacan can be used for DME only. Limited Prime Knight svc avbl, ctc AMCC Cmd Post DSN 318-437-2422. **CAUTION** - All hvy acft dep Rwy 16/34 must taxi 700' prior to beginning dep roll. (Exception KC-135's must taxi 500' prior to dep roll.) Large acft must use min pwr settings dur taxi opr, inbd eng only. All hvy acft must ensure cntnlne posn prior to pwr up, failure to do so may result in rwy closure for removal of FOD haz.

TFC PAT - Multi TGL and lo apch not auth w/ apvl fr 379 EOG/CC. Req for single TGL and lo apch will be granted tfc permitting. **MISC** - Fst 1300' Rwy 16 and fst 1300' Rwy 34 conc, middle 9703' asphalt. Asphalt ovrns are 984' long. AM OPS has no COMSEC stor avbl and ltd supply of FLIP. Base wx stn provides full obsn, fcst and PMSV svc avbl H24. All acft rqr PPR at least 24 hr in advance, but no earlier than one wk in advance. Email PPR requirements to base.ops@auab.centaf.af.mil. No wx radar svc avbl. Remote wx brief avbl for mil opr H24, CENTAF OWS DSN 312-965-0901, C+1 803-895-0901. All tran hvy acft will exp to back taxi on the rwy. Aft back taxi, execute 180 to the east to prevent FOD blowing on twys and rwy. Waiver granted by DCFACC for KC-135s to prk on twy U1 and U2. Acft comdr must only prk on these 60 ft wide twys when flw-me truck, marshaller and wing-walkers are present. Pilots will use min thrust rqr on inbound eng only (outboard eng at idle thrust) when opr on these twys. RSRs applied at Al Udeid.

COMMUNICATIONS - PTD - Call AM OPS 292.2 **ATIS** - 123.75 237.2

DOHA APP - 121.1 **TWR** - 125.5 293.65 **GND** - 135.5 292.0 **COMD POST** - Call BARKSHAG DELTA 322.125 **METRO** - 390.0 **SOF** - 281.45 **DOHA INFO** - 126.45 247.5 **AMCC** - Call BOATER ALPHA 127.8 343.2

B-28 AIRPORT/FACILITY DIRECTORY

NAVAIDS - AL UDEID VORTACW - T 115.200 ALD CH 99 N25°08.37' E51°18.31' 156°
1.4 NM to Fld. 37/1°56.8'E

ILS/RADAR - ILS-DME 34. Lczr MP 2nd Wed of each month 0500-0900Z. GS 3rd Wed of each month 0500-0900Z.

ALVERCA, PO **LPAR** MIL N38°53.00' W9°01.81' 11 UTC 0(+1DT) **H-16H, L-11A**
RWY-04 L5,24,50 (9810x148 ASP PCN 74 F/D/W/U) L5,24,50 **RWY-22**
8990→ ←9023

SERVICE - AOE FUEL - 100LL, J4, J8 **FLUID** - LPOX **OIL** - O-117-128-133-148

REMARKS - Opr 0845-1645Z++ Mon-Fri. OT and hol 24 PN thru LPARZPZX. **CAUTION** - Bird haz. Displ thld for Rwy 04-22 clsd. Model flying act wi 1NM rad of arpt btn GND and 500' AMSL on Sat, Sun and hol. VFR flt not allowed W of arpt. Established preferential VFR rte must be strictly observed.

COMMUNICATIONS - TWR - Opr HO. **(E)** 119.225 122.1 257.8 234.925 **GND** - Opr HO. 138.8 234.125

ALYKEL, RS **U000** CIV N69°18.66' E87°19.93' 574 UTC+7(+8DT) **T2-G**
RWY-01 L5,33 (11290x145 CON PCN 47 R/A/X/T) L3,5,33 **RWY-19**

SERVICE - FUEL - (NC-TS-1)

REMARKS - **RSTD** - Aflid for emerg ldg of flt opr along the cross-polar rte. **MISC** - Arpt has 2 NDB one call sign BF freq 535 the other call sign (dash dash dash dot, dot dash dash dot) freq 535.

COMMUNICATIONS - APP - Call NORILSK KRUG **(R) (V)** 120.4 **TWR** - Call START or LANDING. 118.3 **GND** - Call NORILSK TAXIING. 121.7

NAVAIDS - NORILSK NDB - HHW 535.000 BF N69°21.10' E87°24.50' 194° 2.9 NM to Fld. Unk/18°55.1'E

ILS/RADAR - ILS - BRG 194° LCZR IBF 110.3 GS 2.7° LOM BF 535. **ILS** - BRG 014° LCZR IAP 109.5 GS 2.4° LOM AP 535. **RADAR** - APP-Call KRUG 120.4 124.0X.

AL ZARQA ISLAND, AE See ZIRKU

AMAL V12, LY **NDB** - MHW 310.000 VA N29°29.00' E21°04.00' Unk/2°19.1'E **L-14G**

AMALIAS, GR **NDB** - HW 367.000 AML N37°46.48' E21°20.80' 341° 9.1 NM to ANDRAVIDA. Unk/2°57.7'E **L-12G-14G**

AMARI, (VASALEMMA) EN **EEEE** MIL N59°15.62' E24°12.51' 65 UTC+2(+3DT) **H-2H, L-1H**
RWY-07 L55 (6562x148 CON PCN 68 R/C/W/T) L50,55 **RWY-25**

REMARKS - Opr HX.

COMMUNICATIONS - INFO - . 120.9X

AMBERIEU, FR **LFXA** MIL/CIV N45°59.24' E5°19.71' 823 UTC+1(+2DT) **H-7B, L-8H-9A**
RWY-01 (6562x98 ASP S93) **RWY-19**
RWY-02 (2625x328 GRS) **RWY-20**
←5889
←2231

SERVICE - FUEL - 2 hr PN Mon-Fri; PPR before 1300Z++ prev wkld for Sat, Sun, hol. (NC-100LL, A1+) **OIL** - O-128

REMARKS - Opr 0700-1600Z++ Mon-Thu; 0700-1500Z++ Fri. PPR 24 hr before prev wkld, Sat, Sun, hol. PPR fone C33.4.74.46.83.90. **RSTD** - ASP rwy clsd 0700-1100Z++ Thu.

COMMUNICATIONS - LYON APP - 120.225 125.425 125.8 133.15 136.075
TWR - Opr by NOTAM. **(U)** 122.1 257.8

NAVAIDS - AMBERIEU TACAN - HA AMU CH 110 (100/50) N45°59.32' E5°19.88' At Fld. 801/0°2.0'E (120/50 195°-255°)

AMBODEDJO, (MOPTI) ML **GAMB** MIL/CIV N14°30.77' W4°04.77' 906 UTC 0
H-11C, L-19B
RWY-05 LA,55 (8340x94 ASP 737) L55 **RWY-23**

AIRPORT/FACILITY DIRECTORY B-29

SERVICE - FUEL - Avbl HS, 0730-1430Z (NC-100LL, A1)

REMARKS - Opr 0600-1800Z.

COMMUNICATIONS - TWR - 118.1

NAVAIDS - MOPTI/AMBODEDJO VORW - HA 115.500 MTI N14°31.56' W4°03.88' 232°
1.2 NM to Fld. Unk/3°47.4'W

AMBOISE, FR **VORW-DME** - HA 113.700 AMB CH 84 (080/50) N47°25.74' E1°03.87' 274°
13.7 NM to VAL DE LOIRE. 361/(A)3°0.0'W (120/50 in sctr 105°-255°) **NDB** - HW 341.000
AMB N47°25.09' E1°02.46' 274° 12.8 NM to VAL DE LOIRE. 354/1°21.0'W **H-7A, L-7C**

AMBRI, (AMBRI PIOTTA) SZ **LSPM** PVT N46°30.75' E8°41.39' 3241 UTC+1(+2DT)
H-7C, L-9B

RWY-11 (6529x131 ASP PCN 35 F/B/X/T)

RWY-29

4462→

←4364

REMARKS - Opr 0900-1900Z++. **RSTD** - PPR. **CAUTION** - Ldg cond difficult due to mt area.

COMMUNICATIONS - AFIS - 118.525

AMBRI PIOTTA, SZ See AMBRI

AMDERMA ACC, RS **ULDD** (CIV) **CON** - 129.4 129.4 **T-2G**

AMENDOLA, (LUIGI ROVELLI) IT **LIBA** MIL N41°32.48' E15°43.08' 183 UTC+1(+2DT)
H-15C, L-12F

(B) **RWY-11** L5,9

(8727x144 ASP SWL44)

L5,9,12,50 **RWY-29**

←NET BEFAB (139' OVRN) HOOK BAK-12A(B) (679')

HOOK BAK-12A(B) (619') NET BEFAB (143' OVRN) →

SERVICE - LGT - PAPI Rwy 29 GS 2.6° MEHT 35'. **JASU** - Hobart 28VCC/115VCC, Atlas Copco **FUEL** - 100LL, J8 **FLUID** - LHOX LOX **OIL** - O-117-128-134-142-148-149-156

REMARKS - Opr 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri, OT PPR. **RSTD** - State and SAR PPR, 2 hr 30 min PN rqr to Base OPS. **CAUTION** - Aprn A, E (N of parl twy) and portion of aprn B (W end parl twy) not vis fr twr.

COMMUNICATIONS - APP - Opr H24. (E) 118.85 235.2 362.3 **TWR** - (E) 118.2 122.1 257.8 234.5 **GND** - 389.1

NAVAIDS - AMENDOLA TACAN - L MNL CH 99(Y) (040/25) N41°32.27' E15°42.60' At Fld. 185°/2°20.9'E **AMENDOLA NDB** - MHW 334.000 AME (040/25) N41°30.00' E15°50.27' 295° 5.9 NM to Fld. Unk/2°22.1'E MP 0800-1000Z++ 2nd Tue. **UHF/DF**

MNL TACAN MRA at 40 NM 330°-060° 14,500'
060°-170° 3500'
170°-330° 7500'
110°-120° unuse
050°-170° 2000'
170°-310° 5500'
310°-050° 10,000'

AME NDB MRA 25 NM

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

AMIGDHALEON, GR **LGKM** MIL N40°58.37' E24°20.49' 203 UTC+2(+3DT)
H-4G-15D, L-12H

RWY-14

(5150x98 ASP)

RWY-32

4663→

←4652

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr by NOTAM. **RSTD** - Fst 111' Rwy 14 and fst 72' Rwy 32 clsd. **CAUTION** - Bird haz.

COMMUNICATIONS - TWR - Opr 0430-1200Z++ Mon-Fri exc hol, 30 min PN. (U) 122.1 257.8

B-30 AIRPORT/FACILITY DIRECTORY

AMILCAR CABRAL INTL, (SAL) CV **GVAC** CIV N16°44.48' W22°56.97' 177

UTC-1 H-11A

(B) **RWY-01** L3,4,55 (10735x148 ASP PCN 58 F/A/W/T) L3,4,20,50,55 **RWY-19**

9850→

RWY-07 (4921x148 ASP PCN 58 F/A/W/T) **RWY-25**

SERVICE - AOE **FUEL** - (NC-100LL, A-1)

REMARKS - Rwy 07-25 Opr SR-SS. **RSTD** - NORDO proh.

COMMUNICATIONS - **SAL APP** - (V) 119.7 **TWR** - (V) 119.7 **A/G** - 3452 5565 6535 8861 13357

NAVAIDS - **SAL VORW-DME** - HA 115.300 CVS CH 100 (200/50) N16°44.21' W22°57.06'

At Fld. 176/10°45.4'W **SAL NDB** - HHW 274.000 SAL N16°42.11' W22°56.92' 010°

2.4 NM to Fld. Unk/10°45.8'W

ILS/RADAR - **→ILS** - BRG 016° LCZR SL 109.9 GS 3°.

AMMAN ACC, JO **OJAC** (CIV) (R) (V) **CON WEST SECTOR** - 128.3 **EAST SECTOR** -

128.5 **APP** - 128.9 TMA blw FL 145. **REMARKS** - Radar svc unavbl ev Mon btn

0730-1530Z++ due to maint. Non-radar svc avbl. **H-13A-14B-16G, L-16F, G**

AMMAN, JO **DVORW-DME** - L 116.300 AMN CH 110 N32°00.24' E36°03.96' 244° 4.2 NM

to MARKA INTL. 2264/3°43.3'E **NDB/LOM** - HW 391.000 JYO N32°00.29' E36°03.93'

243° 4.2 NM to MARKA INTL. Unk/3°43.4'E **H-13A-16G, L-16F**

AMPUGNANO, (SIENA AMPUGNANO) IT **LIQS** PVT N43°15.38' E11°15.30' 634

UTC+1(+2DT) **L-12E**

(B) **RWY-18L7** (4570x98 ASP PCN 33 F/C/W/T) L7,9,50 **RWY-36**

SERVICE - **FUEL** - Avbl 0800-1200Z++, 1300Z-1700Z++. PPR Mon, Wed C+39 0577 349084 (NC-100LL, A1).

REMARKS - Opr 0730Z-SS+30 (0600-1800Z or 0600Z-SS+30 whichever is earlier DT), 12 hr PPR. **CAUTION** - Multi obst near arpt.

COMMUNICATIONS - **GROSSETO APP** - Opr H24 (R) (E) 122.1 124.525 359.15 362.3

SIENA INFO - Opr 0730-1900Z++ or SS+30, whichever earlier. (V) 122.6

NAVAIDS - **SIENA VORW-DME** - HA 110.200 SIE CH 39 (025/10) N43°15.17' E11°15.18'

At Fld. 638/1°32.5'E

SIE VOR-DME MRA 25 NM 320°-030° 7000'

030°-090° 6000'

090°-220° 5000'

220°-320° 11,000'

AMSTERDAM ACC/FIC, NL **EHAA** (CIV) **INFO** - (See also Nieuw Milligen Mil

ATCC and Maastricht UACC.) (E) (124.3 Fixer network.) (133.1 N sea area in unctl airspace at 3000' or blw.) **VHF/DF** - Call RADAR or INFO. **RADAR** - (E) **EAST OF SPY/PAM**

A/UA7, G/UG10, G/UG11, G/UG105, R/UR1, R/UR12, R125 - 129.3 (124.3 275.725 by ATC)

B/UB1, B/UB5, G/UG9, UR105 - 124.875 275.725 (124.3 129.3 by ATC) **WEST OF**

SPY/PAM A/UA5, A/UA24, B/UB31 - 123.85 290.325 (124.3 125.75 275.725 341.6 by ATC)

G/UG9, R/UR1, R/UR12 - 125.75 378.2 (124.3 275.725 by ATC) B/UB1, B/UB5 - 123.7

(125.75 124.3 378.2 275.725 by ATC) **H-5B, C-6G, H, L-2E-3D-4H-5A, B**

AMSTERDAM, NL **VORW-DME** - T 113.950 AMS CH 86(Y) (060/25) N52°19.97'

E4°42.33' -7/0°38.3'W **L-5A, H-6G, 5C**

ANADOLU, TU **LTBY** CIV N39°48.59' E30°31.16' 2588 UTC+2(+3DT) **H-4H, L-15A**

(B) **RWY-09** L4,50,55 (8261x98 ASP PCN 42 F/D/Y/T) L35,50,55 **RWY-27**

REMARKS - Opr by NOTAM.

COMMUNICATIONS - **TWR** - 123.75 121.9

NAVAIDS - **ESKISEHIR VORW-DME** - HA 108.200 ESR CH 19 N39°48.78' E30°30.58' At Fld.

2585/4°16.9'E **ESKISEHIR NDB** - HW 372.000 ESR N39°48.78' E30°31.27' At Fld.

2589/4°16.9'E

ESR VOR/DME unuse 350°-040° byd 30 NM blw 17000'

AIRPORT/FACILITY DIRECTORY B-31

ANARAK, IR **VORW-DME** - HA 112.700 ANK CH 74 N33°32.25' E53°43.78'
3348/(A)3°00.0'E
ANK VOR unusé

000°-130° byd 40 NM blw 9500'
140°-170° byd 40 NM blw 16,000'
180°-200° byd 40 NM blw 18,000'
216°-240° byd 40 NM blw 16,000'
250°-340° byd 40 NM blw 10,500'

H-13C, L-17B

ANCENIS, FR **LFFI CIV** N47°24.48' W1°10.65' 111 UTC+1(+2DT) **L-7B**
RWY-08 L7,9,50 (3937x82 ASP S23) **L7,9,50 RWY-26**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0730-1130Z++, 1300-1800Z++ Mon-Fri. 1300-1800Z++ Sat exc hol. OT
O/R prior to 1600Z++ prev bus day.

COMMUNICATIONS - NANTES APP - Opr H24 (**R**) 130.275 Above 3500 MSL.

INFO - 1300-1700Z++ Tue-Sat exc hol. OT PPR prior to 1700Z++ prev bus day. 118.2

ANCHIALOS, GR **VORW-DME** - L 110.400 AGH CH 41 (040/25) N39°12.97' E22°47.52'
At NEA ANCHIALOS. 65/(A)0°0.0'E **H-15D, L-12G**

ANCONA, IT **VORW-DME** - HA 110.650 ANC CH 43(Y) (100/50) N43°35.18' E13°28.27'
842/(A)1°00.0'E MP 0700-0800Z++ 1st Mon. **NDB** - MHW 374.500 ANC N43°35.20'
E13°28.33' Unk/2°00.4'E MP 0700-0800Z++ 1st Tue.

ANC VOR-DME MRA

050°-110° MRA 5000' AT 20 NM
110°-210° MRA 3000' AT 20 NM
210°-270° MRA 4000' AT 20 NM
270°-310° MRA 3000' AT 20 NM
310°-050° MRA 2000' AT 20 NM
050°-180° MRA 5000' AT 40 NM
180°-210° MRA 9000' AT 40 NM
210°-280° MRA 7000' AT 40 NM
280°-320° MRA 4000' AT 40 NM
320°-050° MRA 3000' AT 40 NM
150°-300° 9000'
300°-150° 2000'
285° Radial unusable

ANC NDB MRA

H-7D, L-12F

ANCONA FALCONARA, IT See FALCONARA

ANDENES/ANDOYA, NO See ANDOYA

ANDERSTORP, SW **ESMP CIV** N57°15.85' E13°35.97' 507 UTC+1(+2DT) **L-2F**
RWY-04 (3281x98 ASP) **RWY-22**

SERVICE - FUEL - (NC-100LL)

REMARKS - RSTD - PPR, ctc Anderstorp Racing Club C0371-161 70. **CAUTION** - Rwy is
used for road races.

COMMUNICATIONS - RDO - 123.42

ANDOYA, (ANDENES ANDOYA) NO **ENAN MIL** N69°17.55' E16°08.65' 43
UTC+1(+2DT) **H-1C, L-1C**

RWY-03 L1,5,41 (5486x148 ASP PCN 40 F/B/X/T) **L1,5,41,50 RWY-21**
RWY-14 L1,5,25,50 (8097x148 ASP PCN 55 F/B/X/T) **L1,5,25,50 RWY-32**
HOOK 44B-4H(B) (459') HOOK 44B-4H(B) (591')

SERVICE - AOE A-GEAR - Avbl O/R 30 min PN rqr. **FUEL** - Avbl 0500-1800Z++ Mon-Fri,
0600-1100Z++ Sat, clsd Sun/hol. (NC-J8) **FLUID** - De-ice avbl O/R.

REMARKS - Opr 0430-2110Z++ Mon-Fri, 0805-1525Z++ Sat, 1015-2110Z++ Sun. **RSTD** -
PPR Diplomatic clnc req to COMAIRNORTH. **CAUTION** - Windshear may occur on short
final Rwy 21 and 32 in winds 200°-270° over 25 Kt.

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COMMUNICATIONS - TWR - (E) 118.2 118.7 122.1 257.8 369.25 **GCA** - 119.1 121.1 123.3

NAVAIDS - ANDOYA VORW-DME - HA 112.200 AND CH 59 N69°17.27' E16°08.48' At Fld. 54/(A)3°00.0'E **ANDOYA TACAN** - HA OYA CH 28 (200/60) N69°17.18' E16°08.67' At Fld. 32/(A)3°00.0'E **VHF/UHF/DF**

ILS/RADAR - LOC-DME BC use proh.

ANDRAITX, SP **NDB** - MHW 384.000 ADX N39°32.97' E2°23.75' 089° 15.9 NM to PALMA DE MALLORCA. Unk/0°28.2'W **H-15A, L-11C**

ANDRAVIDA, GR **LGAD** MIL N37°55.24' E21°17.55' 55 UTC+2(+3DT) **H-15D, L-12G-14G**

(B) **RWY-16** L5,39,50 (10299x148 ASP) L5,33,50 **RWY-34**
NET BEFAB (75' OVRN) HOOK 44B-2E(B) (1640')
HOOK 44B-2D(B) (1558') NET BEFAB (75' OVRN)

SERVICE - LGT - ABn coded AML. PAPI Rwy 16,34 GS 2.5°. **JASU** - 1(A-3) 1(U-1000)
FLUID - LHOX LOX

REMARKS - Opr SR-SS, OT 30 min PN. **CAUTION** - Bird haz. Lt and rgt parl twy have VFR rwy mrk. **CSTMS/IMG** - Avbl H24 with 4 hr PN.

COMMUNICATIONS - APP - (E) 120.65 122.1 362.3 **TWR - (E)** 120.65 122.1 257.8

NAVAIDS - ANDRAVIDA TACAN - T AML CH 61 (200/50) N37°55.78' E21°17.08' At Fld. 55/2°58.0'E **AMALIAS NDB** - HW 367.000 AML N37°46.48' E21°20.80' 341° 9.1 NM to Fld. Unk/2°57.7'E **UHF/DF**

ILS/RADAR - ■ RADAR - ASR - 122.0 344.0 PAR - 120.65 123.3 385.4

ANGADS, (OUJDA ANGADS) MO **GMFO** CIV N34°47.23' W1°55.44' 1535 UTC 0 **H-9B, L-13C**

RWY-06 L5,50 (9843x148 BIT PCN 42 F/B/W/T) L5 **RWY-24**

SERVICE - AOE FUEL - (NC-100LL, A1)

REMARKS - **RSTD** - 180° turn mand for Rwy 24 for acft with a MTOW exceeding 80,000 lb. NORDO proh. Gldr proh. **CAUTION** - Bird haz.

COMMUNICATIONS - ATIS - 121.6 **OUJDA APP - (V)** 136.6 **OUJDA TWR - (V)** 118.2

NAVAIDS - OUJDA VORW-DME - HA 117.500 OJD CH 122 N34°46.40' W1°57.02' 060° 1.5 NM to Fld. 1585/(A)4°00.0'W **OUJDA NDB** - HHW 371.000 CNU N34°47.98' W1°53.98' 240° 1.4 NM to Fld. Unk/1°32.6'W

ILS/RADAR - ➔ILS - BRG 061° LCZR ODA 110.1 GS 2.5°.

ANGELHOLM, SW **ESTA** CIV N56°17.76' E12°50.83' 68 UTC+1(+2DT) **H-2G-5D, L-2F**

RWY-04 (CLSD 6552x131 ASP SWL44) **RWY-22**
RWY-14 L5,36,50 (6381x131 ASP PCN 45 F/B/X/T) L5,9,12,50 **RWY-32**

SERVICE - LGT - Rwy 14-32 has 2 sets of PAPI near ea end, fst set for SW mil use only.

FUEL - Avbl dur TWR hr. (NC-100LL, A1)

REMARKS - **RSTD** - PPR for ops outside TWR opr hr, fone C+46 (0)431 48 45 20. PPR for IFR school and trng flt. **CSTMS/IMG** - CSTMS avbl dur TWR hr. **MISC** - Ldg fees.

COMMUNICATIONS - MALMO APP - (R) (E) 132.45 135.05 (132.45 H24) **TWR** - Opr 0450-2125Z++ Mon-Thu, 0605-2055Z++ Fri, 0815-1405Z++ Sat, 1035-1925Z++ Sun. (R) (E) 127.1 123.3 132.45 135.05 257.8

NAVAIDS - VHF/UHF/DF

ILS/RADAR - ➔ILS - BRG 135° LCZR DB 111.3 GS 3° LOM LB 370.5 ■ **RADAR** - PAR - Call Precision - 119.3

ANGERS, FR **VORW** - HA 113.000 ANG (080/50) N47°32.21' W0°51.11' 283/(A)3°0.0'W (120/50 in sctr 315°-045°) **H-7A, L-7B**

ANGLET, FR **LFBZ** CIV N43°28.11' W1°31.40' 245 UTC+1(+2DT) **H-7A-15A, L-11B**
RWY-09 L5,9,50 (7382x148 ASP PCN 49 F/C/W/T) L5,9,50 **RWY-27**
6726→

SERVICE - AOE FUEL - Avbl 0430-2130Z++. (NC-100LL, A1)

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REMARKS - Opr 0530-2200Z++. **RSTD** - PPR 1hr by fone for all inbd flt. Fone C 33 4 68 63 75 00. **CSTMS/IMG** - PPR prior to 1800Z++ prev bus day.

COMMUNICATIONS - **ATIS** - 128.225 **BIARRITZ APP** - 125.6 **BIARRITZ TWR** - 118.7 **BIARRITZ GND** - 121.95

NAVAIDS - **BIARRITZ VORW-DME** - HA 114.150 BTZ CH 88(Y) (060/50) N43°28.00' W1°30.62' At Fld. 233/(A)3°0.0'W (100/50 NW to NE) **BIARRITZ NDB** - MHW 341.000 BZ N43°28.23' W1°24.22' 269° 5.2 NM to Fld. 295/1°46.0'W 100/50 NW to NE **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 271° LCZR BZ 111.35 CH 50(Y) GS 3°

ANGLIA RADAR, UK (CIV) **RADAR** - **NORTH SEA LOWER AIRSPACE (SOUTHERN)** - **RADAR ADVSY, FIS AND ALERTING SVC** - Call ANGLIA RADAR - Opr 0630-2030Z++. 125.275 128.925 ANGLIA RADAR secondary freqs may be used for copter tfc info and/or advsy msg. Call COLTISHALL ZONE - Opr 0830-1730Z++ Mon-Thu, 0830-1700Z++ Fri. 125.9 293.425 OT call Anglia Radar.

ANKARA ACC, TU **LTAA** (CIV) **CON** - (R) **E 1 sctr** - 127.3 127.3 128.65 128.65 129.3 129.3 240.8 240.8 253.3 253.3 337.3 337.3 **E 2 sctr** - 127.925 128.1 128.1 129.45 129.45 132.9 139.2 234.25 234.25 240.8 240.8 253.3 253.3 279.175 279.175 337.3 337.3 **W sctr GND-FL325 (V)** - 128.45 128.45 128.8 128.8 285.15 285.15 129.400 131.05 **W sctr FL325- UNLTD** 128.8 129.400 130.4 131.05 133.55 285.15 **S sctr GND-FL325-** 124.07 127.85 127.85 128.75 128.75 130.4 234.6 234.6 345.95 345.95 387.450 **S sctr FL325-UNLTD-** 124.075 130.4 234.6 345.95 387.450 **H-4H-10H-13A, B, L-15A, B, C, D**

ANKARA, TU **NDB-DME** - MHW 356.000 ANK CH 96 N39°57.18' E32°49.68' 268° 6.4 NM to ETIMESGUT. 036° 13.0 NM to ESENBOGA. 2749/4°32.3'E **H-4H-13A, L-15B**

ANKLAM, GM **EDCA** CIV N53°49.96' E13°40.15' 18 UTC+1(+2DT) **L-5D**
(B) **RWY-09** L7,50,55 (3281x66 ASP AUW12.6) L7,50,55 **RWY-27**
RWY-09R (2953x131 GRS) **RWY-27L**
SERVICE - **LGT** - PAPI Rwy 09 GS 3.5°. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0700Z-SS (0600-1700Z sum) O/T PPR. **CAUTION** - Gldr cable winch launcher S of ASP rwy. **CSTMS/IMG** - CSTMS O/R 24 hr PPR.
COMMUNICATIONS - **BERLIN INFO** - Opr H24 (E) 132.65 251.375 **INFO** - 122.65
NAVAIDS - **VHF/DF**

ANNABA, (RABAH BITAT) AG **DABB** CIV N36°49.33' E7°48.55' 16 UTC+1 **H-15B, L-14E**
RWY-01 L5,7 (9843x148 ASP S125) L5,7,50 **RWY-19**
9508→
RWY-05 L5,7 (7513x148 ASP S92) L5,7 **RWY-23**
SERVICE - **FUEL** - (NC-100,A1)
REMARKS - **RSTD** - NORDO proh.
COMMUNICATIONS - **APP** - (R) 119.0 **TWR** - 118.7 119.7
NAVAIDS - **ANNABA VORW-DME** - HA 113.500 ANB CH 82 N36°49.00' E7°48.00' At Fld. 16/(A)2°0.0'W (75/10-160/11.5) (Scalloping:40/6) **ANNABA NDB** - HW 366.000 ANB N36°49.08' E7°48.15' At Fld. Unk/0°47.0'E
ILS/RADAR - ➔ **ILS-DME** - BRG 189° LCZR AN 109.7 CH 82 GS 3°

ANNEMASSE, FR **LFLI** CIV N46°11.52' E6°16.10' 1620 UTC+1(+2DT) **L-8H-9A**
RWY-12 L43 (4265x98 ASP AUW44) **RWY-30**
3625→ ←3615
SERVICE - **LGT** - VASI Rwy 12 GS 2.86° MEHT 39'. **FUEL** - Avbl SR-SS (NC-100LL, A1).
REMARKS - **RSTD** - Ngt VFR only for Annemasse Aero Club acft. **CSTMS/AG/IMG** - Avbl 0800Z++-SS 1 Apr-30 Sep, 0900Z++-SS 1 Oct-31 Mar, 1 hr PN rqr. OT PN rqr before 1800Z+.
COMMUNICATIONS - **GENEVA** - 126.35

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ANSBACH AHP, (KATTERBACH KASERNE) GM **ETEB** A N49°18.49' E10°38.32'

(32UPV1911663012) 1532 UTC+1(+2DT) **VFR,L-6H**

(B) **RWY-08** L5,9

(1212x65 ASP)

L5,9 **RWY-26**

SERVICE - FUEL - Avbl 1330-2145Z++ Mon-Thu; 0900-1645Z++ Fri; 0700-1445Z++ GM/USAREUR hol; clsd US hol. J8

REMARKS - Opr 0700-2200Z++ Mon-Thu, 0700-1700Z++ Fri, 0700-1500Z++ GM hol, clsd Sat, Sun, US hol. **RSTD** - No ngt ldg on E sod, W sod clsd. Quiet hr 1100-1200Z++ Mon-Fri, PPR for flt/gnd OPS. Fr SS to SR all ngt vision device tfc for VFR ARR/DEP rtes will be 2000 MSL with rtes LINDACH and SPECKHEIM inbd only and rtes WINKLE and CHARLIE outbd only. **CAUTION** - Obst-unlgt'd 150' smokestack 3 NM S. Rdo ctl model acft act SW of afld dur daylight hr, wkend, US hol. Ints copter trng wi 15 NM of heliport. **NS ABTMT** - See VFR ARR/DEP RTE EUR. **MISC** - Wx obsn and brief avbl 0600Z til twr clsd Mon-Fri; clsd Sat, Sun, US/GM/USAREUR TRNG hol. Wx radar DSN 467-2789, C09802-832-789. H24 wx svc avbl thru USAFE OWS DSN 496-6145/6146, C06302-676145/676146. Base OPS DSN 467-2872, C09802-832-872. Wx obsn ltd 360°-045° due to bldg and hgr; ngt obsn ltd due to few vis marks byd 3000 meters. ATC will enhance sfc obsn when twr vis less than 6000 meters.

COMMUNICATIONS - § **LANGEN RADAR - (R) (E)** 118.975 344.5 **TWR - (E)** 40.8 122.1 139.05 375.15 **REMARKS**: Opr 0700-2200Z++ Mon-Thu, 0700-1700Z++ Fri. Clsd Sat, Sun, US/GM/USAREUR trng hol. **GND** - 141.3 396.8 **LANGEN INFO** - 127.975 **REMARKS**: Opr 0700-2200Z++ Mon-Thu, 0700-1700Z++ Fri. Clsd Sat, Sun, US/GM/USAREUR trng hol. **PMSV METRO** - 60.0 140.3 **REMARKS**: (Full svc dur wx fcst hr.) **AFLD OPS** - 67.5

NAVAIDS - ANSBACH NDB - MHW 452.000 ANS N49°18.58' E10°37.97' At Fld. 1526°12'22.9"E MP 1200-1400Z++ Wed. Monitored dur twr hr only.

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

ANTALYA, TU **LTAI** MIL/CIV N36°53.92' E30°48.03' 177 UTC+2(+3DT) **H-16F, L-15A**

(B) **RWY-18L** L3,4,5,10,50

(11155x148 CON PCN 110 R/A/W/T)

L3,4,5,10,50 **RWY-36R**

RWY-18C L5,50

(11155x148 CON PCN 80 R/A/X/T)

L5,11,50 **RWY-36C**

RWY-18R L5,43

(9811x148 ASP KC135)

L5,11,43 **RWY-36L**

←NET BEFAB (176' OVRN) 500S(B) (1080')

500S(B) (1082')

SERVICE - AOE FUEL - A1 (Total / Petrol Ofisi, C+90-212-465-7700) (NC-100LL).

COMMUNICATIONS - ATIS - 118.275 **APP - (R)** 122.05 128.3 362.3 251.25

TWR - (E) 126.1 257.8 125.0 **GND** - 121.9 **CLNC DEL** - 123.175

NAVAIDS - LARA VORW-DME - T 113.600 LRA CH 83 N36°52.73' E30°48.42' 341° 1.2 NM to Fld. 177/3°57.0'E **ANTALYA VORW-DME** - HA 114.000 AYT CH 87 N36°55.28' E30°47.82' 169° 1.4 NM to Fld. 167/(A)2°00.0'E **ANTALYA TACAN** - HA AYT CH 102 N36°54.93' E30°46.97' 136° 1.3 NM to Fld. 177/3°57.1'E **ANTALYA DME** - ANT CH 28 N36°52.53' E30°47.35' 017° 1.5 NM to Fld. Unk/3°56.8'E O/S UFN. **ANTALYA NDB** - MHW 302.000 YT N36°52.57' E30°47.35' 018° 1.5 NM to Fld. Unk/3°56.8'E **ANTALYA NDB** - MHW 413.000 GEY N36°52.57' E30°27.31' 081° 16.7 NM to Fld. Unk/3°55.0'E

ILS/RADAR - →ILS-DME - BRG 003° LCZR I-AYT 110.3 Chan 40 GS 3°. DME fr AYT VORW-DME.

ANTICHAN, FR **LFCG** CIV N43°00.47' E1°06.19' 1368 UTC+1(+2DT) **L-11C**

RWY-16

(3609x98 ASP S37)

RWY-34

←2969

SERVICE - FUEL - Avbl SR-SS exc Mon. (NC-100LL)

REMARKS - Opr SR-SS. **MISC** - Grass strip parl to rwy 2625 x 262.

ANTON, FI **DVORW-DME** - HA 113.700 ANT CH 84 N60°51.78' E25°07.61'

314/(A)5°00.0'E Unmto **H-2H, L-1D**

ANTWERP, BE **NDB/LMM** - MHW 309.000 WW N51°11.10' E4°29.13' 287° 1.0 NM

to DEURNE. Unk/0°36.1'W **L-5A, H-6G**

ANTWERPEN, BE See DEURNE

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AOSTA, (AIR VALLEE) IT **LIMW** CIV N45°44.31' E7°22.12' 1791 UTC+1(+2DT) **L-9A**
RWY-09 L5,50 (4088x98 ASP PCN 40 F/B/W/T) L5,12,50 **RWY-27**
3875→ ←3973

SERVICE - LGT - PAPI Rwy 09 GS 3.8° MEHT 34', PAPI Rwy 27 3.8° MEHT 31'.

REMARKS - Opr 0700Z-SS+30 (SR-30-SS+30 DT), OT PPR 24 hr, C+39 0165 303318, fax C+39 0165 303321 and AFIS C+39 0165 235301. Clsd Dec 25, 26, Jan 1. **RSTD** - Prk Sat, Sun, hol avbl PPR H24. **CSTMS/IMG** - Avbl O/R, 3 hr PN by FPL.

COMMUNICATIONS - INFO - 119.95

AQABA KING HUSSEIN INTL, JO **OJAQ** CIV N29°36.70' E35°01.08' 175
UTC+2(+3DT) **H-14E-16G, L-16F**
RWY-01 L5,12,50 (9855x148 ASP PCN 54 F/A/W/U) L5,A,50 **RWY-19**

SERVICE - FUEL - A1(Caltex - Jordan Petrol, JOPETROL, fone C962-6-445-2267/8.)

REMARKS - TFC PAT - Rwy 01 rgt hand circuit, Rwy 19 lt hand circuit. Use caution to remain within Jordanian airspace. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - APP - (V) 119.2 **TWR - (V)** 118.1 **GND** - 121.9
CIVIL DEFENSE - 121.6

NAVAIDS - AQABA VORW-DME - HA 113.100 AQB CH 78 N29°35.01' E35°00.49' 017°
1.8 NM to Fld. 175/3°27.6'E **AQABA NDB** - HW 404.000 AQ N29°34.81' E35°00.42' 014°
2.0 NM to Fld. 95/3°27.5'E **AQABA NDB** - HW 326.000 AQC N29°54.14' E35°07.14' 197°
18.2 NM to Fld. 312/3°29.5'E **AQABA NDB** - HW 418.000 AQA N30°13.59' E35°13.28'
193° 38.3 NM to Fld. 856/3°31.4'E

ILS/RADAR - ILS-DME 01

ARAD, IS **LL--/LL1B** CIV N31°13.72' E35°11.45' 1952 UTC+2(+3DT) **L-16F, T-2F**
RWY-08 L7,43 (4593x45 ASP) L7,43 **RWY-26**

REMARKS - Opr SR-SS. **RSTD** - PPR SS-SR.

COMMUNICATIONS - TEL AVIV APP - (V) 120.9 132.0 SOUTHERN SECTOR

ARAD, (ARAD INTERNATIONAL AIRPORT) RO **LRAR** CIV N46°10.59' E21°15.72' 352
UTC+2(+3DT) **H-4F, L-10H**
RWY-09 L4,5,24 (6562x148 CON PCN 41 R/C/W/T) L4,5,15,50 **RWY-27**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - CSTMS/AG/IMG - CSTMS, IMG avbl.

COMMUNICATIONS - TWR - 130.2

NAVAIDS - ARAD DVORW-DME - HA 109.000 ARD CH 27 N46°11.04' E21°08.62' 092°
5.0 NM to Fld. 341/(A)2°00.0'E **ARAD NDB** - HW 517.000 ARD N46°11.04' E21°08.69'
092° 4.9 NM to Fld. 348/3°39.7'E

ILS/RADAR - ➔ ILS - BRG 092° LCZR IAR 109.9 GS 2.5°. ➔ **ILS-DME** - BRG 272° LCZR IAD
110.7 CH 44 GS 3.0°.

ARAK, IR **OIHR** CIV N34°08.29' E49°50.84' 5440 UTC+3:30 **H-13C, L-17A**
RWY-08 (9811x148 ASP PCN 31 F/D/Y/T) **RWY-26**

REMARKS - Opr SR-SS. **RSTD** - 48hr PPR for non-Sched flt before EBOT fr arpt.

CAUTION - Animal haz.

COMMUNICATIONS - INFO - 118.65

NAVAIDS - ARAK NDB - MHW 280.000 ARK N34°08.07' E49°50.92' At Fld. 5440/3°46.0'E

A RAMEREZ, IT See GIOIA DEL COLLE

ARAR, SA **OERR** CIV N30°54.40' E41°08.29' 1813 UTC+3 **H-13B, L-16G**
(B) **RWY-10** L6,43 (10007x148 ASP PCN 59 F/A/W/T) L6,43 **RWY-28**

SERVICE - FUEL - (NC-A1)

COMMUNICATIONS - CTAF - 122.8 **CRASH SVC** - 133.5 **REMARKS**: - 15 min prior ETA.

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NAVAIDS - ARAR VORTACW - HA 113.300 AAR CH 80 N30°54.48' E41°08.53' At Fld.
1811/(A)2°00.0'E

ARAXOS, GR **LGRX** MIL N38°09.07' E21°25.53' 46 UTC+2(+3DT) **H-15D, L-12G-14G**
(B) **RWY-18L** L50,55 (CLSD 10999x70 ASP) L50,55 **RWY-36R**
10919→ ←10919

RWY-18R L7,50 (10997x148 PEM) **HOOK BAK-9(B)** (1569')
10344→ L7,A,50 **RWY-36L**
←10328
HOOK BAK-9(B) (2201') **HOOK BAK-9(B)** (2401')

SERVICE - JASU - 1(MD-3) 1(MA-3MPSU) 1(ST-22/28) **FUEL** - (NC-100LL, 115, J4, J8, A1) 48
hr PN.

REMARKS - Opr by NOTAM. SS-SR O/R (Rwy 36L only). **CAUTION** - Rwy 36L end lgs not
vis on ldg, are vis at 4000' fr rwy end. **RWY** - Rwy 18R/36L (formerly 18/36) has been
reopened. The parl Twy (mrk 18L/36R) is used as twy only.

COMMUNICATIONS - ANDRAVIDA APP - (E) 120.65 122.1 362.3 **TWR - (E)** 122.1 125.25
257.8 362.3 **COMD POST** - (Call STARGATE) 337.75 **RDO** - 5637 2989 (5637 Opr
0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - ARAXOS VORW-DME - HA 112.700 ARA CH 74 (150/50) N38°06.58' E21°25.52'
357° 2.5 NM to Fld. 56/(A)1°00.0'E **ARAXOS TACAN** - HA ARX CH 71 (150/25)
N38°06.49' E21°25.36' 000° 2.6 NM to Fld. 55/2°59.9'E Opr SR-SS. **UHF/DF**

ILS/RADAR - ■ RADAR - ASR - Call GCA - 122.00 344.00 PAR - Call FINAL CONTROLLER -
123.3 125.25 385.4 Opr 0300-1100Z++, OT and hol 30 min PN.

ARBOGA, SW **ESQO** PVT N59°23.20' E15°55.44' 33 UTC+1(+2DT) **H-2G, L-2F**
RWY-15 (6562x131 ASP) **RWY-33**

REMARKS - **RSTD** - PPR ctc Aerotech Telub AB fone C0589-817 56. No wkd activity allowed
on the field. **CAUTION** - Gldr act. Unmto tfc on int road. **MISC** - Ltd fire fighting, rescue
and handling svc O/R.

COMMUNICATIONS - FLY CLUB RDO - 123.15 **FIELD RDO** - 135.0

ARDABIL, IR **OITL** CIV N38°19.54' E48°25.46' 4315 UTC+3:30 **H-13B, L-17A**
RWY-15 L5,12,50 (10823x148 PEM PCN 80 F/D/X/T) L5,11,50 **RWY-33**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0400-1400Z. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - ATIS - 126.65 **INFO - (V)** 118.15 121.9

NAVAIDS - ARDABIL VORW-DME - HA 115.700 ARB CH 104 N38°18.18' E48°26.46' 325°
1.6 NM to Fld. 4315/(A)4°0.0'E **ARDABIL NDB** - MHW 355.000 ARB N38°19.84'
E48°24.92' At Fld. 4315/4°50.0'E
ARB VOR-DME unuse

355°-060° byd 11 NM
060°-070° byd 20 NM
070°-140° byd 20 NM blw 12,500' AMSL
140°-180° byd 20 NM blw 15,000' AMSL
180°-240° byd 25 NM blw 12,000' AMSL
240°-280° byd 20 NM blw 16,500' AMSL
280°-320° byd 20 NM blw 13,000' AMSL
320°-330° byd 30 NM
330°-355° byd 18 NM

ILS/RADAR - ➔ILS-DME - BRG 326° LCZR IARB 109.9 CH 36 GS 3°.

ARDECHE MERIDIONALE, FR **LFHO** CIV N44°32.65' E4°22.33' 923
UTC+1(+2DT) **L-8G-11D**

RWY-01 L1,7,9,50 (4675x98 ASP S83 T139 ST175) L1,7 **RWY-19**

SERVICE - LGT - PAPI Rwy 01 MEHT 36' O/R. **FUEL** - (NC-100LL, A1)

REMARKS - Opr HX

COMMUNICATIONS - AFIS - Call AUBENAS INFO 119.4

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ARISTOTELIS, GR **LGKA** CIV N40°26.78' E21°16.93' 2167 UTC+2(+3DT)

H-15D, L-12G

RWY-12 L5,50

(8852x148 ASP PCN 40 F/C/X/T)

L5,50 RWY-30

8255→

REMARKS - Opr by NOTAM.

COMMUNICATIONS - KASTORIA INFO - (V) 118.4 257.8 **KASTORIA RDO** - 5637 2989
(5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - KASTORIA VORW-DME - HA 114.500 KAS CH 92 (040/25) N40°27.06'

E21°16.52' At Fld. 2148/(A)2°00.0'E **KASTORIA NDB** - HW 372.000 KSO N40°26.68'

E21°16.77' At Fld. Unk/3°09.9'E

ARKHANGELSK, RS **NDB/LOM** - HW 690.000 AZ N64°36.40' E40°35.20' 082°

3.4 NM to TALAGI. Unk/15°5.0'E Opr 0300-1900Z++. **NDB/LOM** - HW 690.000 KM

N64°35.70' E40°50.20' 276° 3.1 NM to TALAGI. Unk/15°10.0'E Opr 0300-1900Z++. **T-2G**

ARLANDA, (STOCKHOLM ARLANDA) SW **ESSA** CIV N59°39.12' E17°55.12' 137

UTC+1(+2DT) **H-2G, L-2G**

RWY-01L L3,4,5,11,50

(10830x148 CON PCN 97 R/B/X/T)

L4,5,33,50 RWY-19R

RWY-01R L3,4,5,11,50

(8201x148 ASP PCN 90 F/B/X/T)

L3,4,5,11,50 RWY-19L

RWY-08 L2,4,5,11,50

(8202x148 CON PCN 78 R/B/X/T)

L4,5,33,50 RWY-26

SERVICE - AOE FUEL - A1(AFCO fone C+46-8-585-540-70)(NC-100LL)

REMARKS - RSTD - Rwy 08 arr and Rwy 26 dep not avbl unless other rwy unuse. NORAD
proh. **NS ABTMT** - Arr and dep rte estab for IFR and VFR tfc. Visual apch not auth to all
rwy. **MISC** - Afld admin fone: C+46 (0)8 797 60 00. **RWY** - Rwy maint 1000-1300Z++
Tue-Wed excl hol; Rwy 08/26 Tue, Rwy 01L/19R Wed, Rwy 01R/19L Thu.

COMMUNICATIONS - ATIS - 119.0 121.625 (119.0 ARR)(121.625 DEP)

STOCKHOLM CON - (R) 123.75 **TWR - (R)** 118.5 125.125 123.1 **REMARKS:** (118.5 Rwy
01L-19R, 08 and CTLZ West)(125.125 Rwy 01R-19L, 26 and CTLZ East)(123.1 SAR)

GND - 121.7 121.925 121.975 (121.7 WEST)(121.925 NORTH)(121.975 EAST)

CLNC DEL - 121.825 **MET OFFICE** - 122.6

NAVAIDS - ARLANDA VORW-DME - HA 116.000 ARL CH 107 (100/50) N59°39.21'

E17°54.87' At Fld. 141/(A)3°00.0'E Possible interference in sctr 210°-265° blw 7000'.

ARLANDA NDB/LOM - MHW 360.000 DL N59°42.51' E17°58.84' 205° 3.9 NM to Fld.

Unk/4°15.8'E **ARLANDA NDB/LOM** - HW 404.000 LA N59°43.77' E17°56.80' 187°

4.7 NM to Fld. Unk/4°15.2'E **ARLANDA NDB/LOM** - HW 370.000 OHT N59°34.44'

E17°53.42' 007° 4.8 NM to Fld. Unk/4°12.7'E **ARLANDA NDB/LOM** - MHW 352.000 CG

N59°32.34' E17°55.26' 356° 6.8 NM to Fld. Unk/4°13.2'E

ILS/RADAR - ILS-DME 01L - BRG 007 LCZR SSA 109.9 CH 107 GS 3.0° LOM OHT 370. DME

fr ARL VOR/DME. **IILS-DME** 01R - BRG 007 LCZR TSA 109.35 CH 91(Y) GS 3.0° LOM CG

352. DME ident ASE. **IILS-DME** 19L - BRG 187 LCZR USA 111.35 CH 91(Y) GS 3.0° LOM DL

360 DME ident ASE. **IILS-DME** 19R - BRG 187 LCZR NSA 110.7 CH 107 GS 3.0°, DME fr

ARL VOR/DME. **IILS** 19R BRG 187 LCZR NSA 110.7 GS 3.0° LOM LA 404 **IILS-DME** BRG

253 LCZR ESA 110.1 CH 107 GS 3.0° DME fr ARL VOR/DME. **LOC-DME** BRG 073 LCZR

WSA 109.55 CH 107 DME fr ARL VOR/DME.

ARLI, UV **NDB** - MHW 316.000 AY N11°34.39' E1°27.41' Unk/2°51.1'W **L-19B**

ARMILLA, SP **LEGA** MIL N37°07.99' W3°38.14' 2297 UTC+1(+2DT) **L-13C**

(B) **RWY-18**

(4265x98 ASP PCN 5 F/A/W/U)

RWY-36

SERVICE - FUEL - (NC J8) **OIL** - 0-123-125-156-190

REMARKS - Opr 0630-1400Z++ OT 48 hr PPR.

COMMUNICATIONS - TWR - (V) 122.1 139.3 118.7 (118.7 CIV)

NAVAIDS - ARMILLA TACAN - T TGR CH 78 N37°07.95' W3°38.03' At Fld. 2304/2°05.5'W

School use only. **ARMILLA NDB** - MHW 344.000 ARM N37°04.41' W3°48.12' 068° 8.7 NM

to Fld. Unk/2°08.4'W School use only.

ARMOR, FR **LFRT** CIV N48°32.27' W2°51.27' 453 UTC+1(+2DT) **H-3C, L-7B**

RWY-06 L1,5,50

(7218x148 ASP

L1,5,9,14 RWY-24

578 T115 ST147 TT222)

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SERVICE - LGT - PAPI Rwy 06 MEHT 53'. Pilot ctl avbl on freq 119.4. **FUEL** - (NC-100LL, A1).

REMARKS - Opr HX and PPR for com acft C02 96 94 95 00. **CSTMS/IMG** - CSTMS 24 hr PN rqr, fone C02 96 33 13 83.

COMMUNICATIONS - INFO - 119.4

NAVAIDS - VHF/DF

ILS/RADAR - ➔ **ILS** - BRG 242° LCZR SB 109.95 GS 3° LOM SB 353.0

ARMY FLIGHT OPERATIONS DETACHMENT, (AFOD) GM

EETEEWYX AFOD APO 09102 Fone DSN 373-6201,6202,6203,6204,6205. If unable call DSN 373-8910 (switch brd)/8094 (Flt Data Coord)/6100 (Flt Data Processing), 8595 (NOTAMS), fax DSN 373-6542. To call fr a civ fone (Country code 0049,(0) 6221-17-6201. Tell switchboard opr your name, acft tail Nr, and fone Nr you are calling fr. The opr will call you back. The opr cannot call you back if you are calling fr a coin opr fone. To rpt avn accident/incident resulting in or threatening loss of life or limb fr civ fone, dial 06221-17-6201. Email - fltops hq.hqsareur.army.mil Aviators can contact AFOD toll free fr the flw countries using 00800-12442244 **AUSTRIA, BELGIUM, FRANCE, GERMANY, GREAT BRITAIN, GREECE, HUNGARY, ITALY, NETHERLANDS, POLAND, SPAIN, SWITZERLAND**. For online planning info see <http://afod.hqsareur.army.mil>.

ARNAGE, FR **LFRM** CIV N47°56.92' E0°12.10' 194 UTC+1(+2DT) **L-7C**

RWY-02 L1,7,9,50

(4658x98 ASP S46)

L1,7,50 **RWY-20**

←3740

SERVICE - LGT - PAPI Rwy 20 GS 4°. **FUEL** - Avbl 0800-1100Z++, 1300-1700Z++ Mon-Fri; O/R the prev bus day before 1600Z++ for Sat, Sun and hol. (NC-100LL, A1)

REMARKS - Opr 0700-1800Z++ Mon-Fri. O/R prior to 1600Z++ prev bus day for Sat, Sun and hol. **CSTMS/AG/IMG** - O/R prev day prior 1700Z++ Tue-Sat, last preceding bus day prior 1700Z++ Sun, Mon and hol.

COMMUNICATIONS - LE MANS TWR - 125.9

NAVAIDS - LE MANS NDB - HW 326.000 LM N47°53.61' E0°10.28' 023° 3.5 NM to Fld.

Unk/1°41.8'W **VHF/DF**

ILS/RADAR - ➔ **LOC-DME** - BRG 022° LCZR LEM 109.75 CH 34(Y)

ARNSBERG MENDEN, GM **EDLA** CIV N51°29.00' E7°53.96' 794 UTC+1(+2DT)

L-5B

(B) **RWY-05** L6,50

(3018x66 ASP AUW12)

L6,50 **RWY-23**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0700-SS/1900Z++ Mon-Fri; 0900-SS/1900Z++ Sat, Sun, hol; OT PPR.

RSTD - Arr/dep S rqr INFO apvl. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - LANGEN INFO - 129.875 **INFO** - 122.5 123.025 15NM to 3000ft AGL.

NAVAIDS - VHF/DF

ARO, (MOLDE ARO) NO **ENML** CIV N62°44.68' E7°15.75' 10 UTC+1(+2DT) **H-2F, L-1C**

RWY-07 L2,5,41,50

(5253x148 ASP PCN 40 F/B/X/U)

L2,5,41,50 **RWY-25**

SERVICE - LGT - Cir guidance lgt SE of arpt on Bolsoya I. PAPI both rwy GS 3° and is not coincidental with ILS Rwy 07 GS 3.1°. Both rwy apch lgt end 295' prior to rwy end.

FUEL - Avbl 0530-2000Z++ Mon-Fri, 0530-1630Z++ Sat, 0930-2030Z++ Sun. (NC-100LL, A1)

REMARKS - Opr 0540-2240Z++ Mon-Fri, 0540-1700Z++ Sat, 0820-2240Z++ Sun.

CAUTION - Windshear/eddies may occur on short final Rwy 25. **PJE. NS ABTMT** - See AP/2 Supplementary Arpt Info. **CSTMS/IMG** - Cstms avbl with 24hr PN to ATS for intl flt apv by NO CAA. **RWY** - LDA Rwy 07 is 5177'. **TORA** both rwy is 5348'.

COMMUNICATIONS - MOLDE INFO - Opr 0540-2300Z++ Mon-Fri, 0540-1700Z++ Sat, 0900-2300Z++ Sun. (V) 119.95

NAVAIDS - VHF/DF

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ILS/RADAR - ➔ILS - BRG 073° LCZR ML 109.7 GS 3.0° LCTR TAT 393 LOM ML 258.5. LCZR use ltd to ± 20 of cntrline. ➔**ILS** - BRG 258° LCZR ME 109.1 GS 3.0° LCTR ML 258.5. LCZR use ltd to ± 15° of cntrline. LCZR offset 5° S of rwy cntrline.

AROS, SW **DVORW-DME** - HA 112.800 ARS CH 75 (080/50) N59°35.17' E16°39.02'
At VASTERAS. 50/(A)2°00.0'E **H-2G, L-2F**

ARRUDA, PO **NDB** - MHW 382.000 LAR N38°59.66' W9°02.42' 199° 13.5 NM to LISBOA.
Unk/3°58.0'W **L-11A**

ARTIGUES DE LUSSAC, FR **LFDI** CIV N44°58.95' W0°08.08' 157 UTC+1(+2DT)
L-8F
RWY-04 (3609x66 ASP S12) **RWY-22**
3117→ ←2789
SERVICE - FUEL - Avbl 0700-1130Z, 1700-1730Z exc Tue and Wed Oct 16-Apr 14.
0600-1030Z, 1200-1700Z exc Tue Apr 15-Oct 15 (NC-100LL)
REMARKS - Opr SR-SS

ARVIDSJAUR, SW **ESNX** CIV N65°35.42' E19°16.92' 1245 UTC+1(+2DT) **H-1C, L-1C**
RWY-12 L5,23,50 (8201x148 ASP PCN 30 F/B/X/U) L5,33,50 **RWY-30**
SERVICE - LGT - PAPI Rwy 12, 30 MEHT 55.8'. **FUEL** - Opr dur TWR/AFIS hr. (NC-100LL, A1)
REMARKS - RSTD - PPR for school flt dur AFIS hr. **MISC** - Ldg fees, Increased charges outside TWR/AFIS hr.
COMMUNICATIONS - TWR - Opr 0700-1100Z++, 1130-1600Z++ Mon-Fri, OT O/R. Freq extn of opr hr. **(V)** 123.0 **AFIS - (V)** 123.0 **REMARKS**: Opr 0500-0700Z++, 1600-2030Z++ Mon-Fri; 0645-1230Z++ Sat; 1200-1600Z++, 1630-2030Z++ Sun; OT O/R. Freq extn of opr hr.
NAVAIDS - ARVIDSJAUR NDB - MHW 381.000 AN N65°38.04' E19°08.58' 122° 4.3 NM to Fld. Unk/5°39.8'E **VHF/DF**
ILS/RADAR - ➔ILS-DME - BRG 303° LCZR NX 111.5 CH 52 GS 3° LCTR AS 358. ➔**ILS-DME** - BRG 123° LCZR ARV 109.3 CH 30(Y) GS 3° LCTR AN 381.

ARVIKA, (WESTLANDA) SW **ESKV** CIV N59°40.55' E12°38.37' 237 UTC+1(+2DT) **L-2F**
RWY-01 L7,8,20,50 (3773x98 ASP) L7 **RWY-19**
←3037
SERVICE - LGT - PAPI Rwy 01 GS 4.1°. **FUEL** - (NC-100LL, A1)
REMARKS - CAUTION - PJE and model acft flt on wkend. **MISC** - Model acft strip S of taxiway and next to apn.
COMMUNICATIONS - AFIS - Opr O/R fone C+46 (0)570 120 40, C+46 (0)570 600 47 or C+46(0)706 5329 20. **(V)** 122.35X

ARZANAH, AE **OMAR** PVT N24°46.83' E52°33.60' 15 UTC+4 **H-14G, L-18F-20H**
RWY-13 L1,7 (3438x72 MAC) L1,7 **RWY-31**
3087→ ←3149
SERVICE - LGT - Rwy lgt rdo activated on freq 122.8; 5 clicks on, 7 clicks off.
REMARKS - Opr O/R. Zakum Development Co. Fone C02 605 0000.
COMMUNICATIONS - OPS - O/R, No specific hrs noted 120.15
NAVAIDS - ARZANAH NDB - MHW 327.000 RNZ N24°48.00' E52°33.50' 176° 1.3 NM to Fld. Unk/1°44.6'E Opr Sked flt only.

ASALOYEH, IR **OIBI/OI15** MIL N27°28.89' E52°36.93' 15 UTC+3:30 **H-13C, L-18F**
RWY-12 L5,12 (11823x148 ASP PCN 75 F/D/X/T) L5,12 **RWY-30**
SERVICE - FUEL - (NC-J4)
REMARKS - Opr O/R
COMMUNICATIONS - TWR - 118.125 121.725

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NAVAIDS - ASALOYEH NDB - MHW 447.000 ASL N27°28.65' E52°37.60' At Fld.
15/2°11.0'E

ASIAGO, IT LIDA CIV N45°53.22' E11°31.02' 3409 UTC+1(+2DT) **L-9C**

RWY-08L (3675x75 ASP SWL26)

3445→

RWY-08R (3609x295 GRS)

RWY-26R

←3577

RWY-26L

REMARKS - Opr SR-30 - SS+30. **RSTD** - Ldg proh Rwy 26R. Tkof proh Rwy 08L.

CAUTION - Hldr act.

COMMUNICATIONS - RDO - 122.6

ASMARA ACC, ER HHAA CON - 120.7 120.7 **129.5** 129.5 **5517** 5517 **11300**

11300 **H-14F, L-20F**

ASMARA INTL, ER HHAS MIL/CIV N15°17.51' E38°54.64' 7661 UTC+3 **H-14F, L-20F**

(B) **RWY-07** L2,5,11,43,50 (9842x148 ASP PCN 40 F/B/X/T)

L5,50 **RWY-25**

RWY-12 (5951x148 ASP)

RWY-30

SERVICE - AOE FUEL - Avbl 0300-1500Z (NC-A1).

COMMUNICATIONS - APP - Opr H24 (V) 120.7 129.5 **TWR** - Opr H24 118.1 121.9 129.5

NAVAIDS - ASMARA VORW-DME - HA 113.700 ASM CH 84 N15°17.04' E38°54.05' At Fld.

7661/2°15.8'E **ASMARA NDB** - MHW 305.000 AS N15°16.88' E38°53.11' 067° 1.6 NM

to Fld. Unk/2°16.1'E

ILS/RADAR - ILS

ASSAB INTL, ER HHSB CIV N13°04.31' E42°38.70' 46 UTC+3 **H-14F, L-20G**

RWY-12 (11531x148 ASP PCN 60 R/C/W/U)

RWY-30

SERVICE - FUEL - Avbl 0430-1000Z, OT O/R 24 hr PN. (NC-A1)

REMARKS - Opr 0300-1500Z **CSTMS/IMG** - Avbl. **MISC** - Fst 1000' of ea rwy is conc.

COMMUNICATIONS - TWR - 118.6

NAVAIDS - ASSAB NDB - HW 345.000 SB N13°03.96' E42°38.73' At Fld. 46/1°40.9'E Opr 0300-1500Z.

AS SULAYMANIWAY WEST, IZ See SULAYMANIYAH INTL

ASTURIAS, SP LEAS CIV N43°33.81' W6°02.08' 416 UTC+1(+2DT) **H-3B, L-11B**

RWY-11 L4,5,9,50 (7218x148 ASP PCN 110 F/A/W/T)

L3,4,5,33,50 **RWY-29**

SERVICE - FUEL - (NC-100LL, A1) C34-985 127 583. **FLUID** - De-ice avbl. **OIL** - 0-125

REMARKS - Opr 0630-2245Z++, OT 2 hr PPR 1 hr before arpt clsd. **CAUTION** - Bird haz.

CSTMS/IMG - Avbl. **RWY** - Acft that rqr 180° turnaround, will do so only in rwy end designated areas.

COMMUNICATIONS - APP - 118.15 **TWR - (E)** 118.15 **GND** - 121.7

NAVAIDS - ASTURIAS VORW-DME - HA 112.400 VES CH 71 N43°33.88' W6°01.84' At Fld.

440/(A)4°00.0'W **ASTURIAS NDB** - HW 325.000 AST N43°33.47' W6°01.70' At Fld.

Unk/3°19.1'W **VHF/DF**

ILS/RADAR - →ILS - BRG 291° LCZR AVS 110.1 GS 3° LOM AV 387

ASTYPALAIA, GR LGPL CIV N36°34.79' E26°22.55' 165 UTC+2(+3DT) **L-14H-15A**

RWY-15 L7 (3245x98 ASP)

L7 **RWY-33**

REMARKS - Opr HO.

COMMUNICATIONS - AFIS - (V) 124.85 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++)
(2989 Opr 1700-0400Z++)

ASWAN INTL, EG HESN CIV N23°57.86' E32°49.20' 662 UTC+2(+3DT) **L-12H-14E, L-20F**

(B) **RWY-17** L2,5,12,50 (CLSD 11161x148 ASP
PCN 60 F/B/W/U)

L2,5,12,50 **RWY-35**

←UNK (66' OVRN)

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SERVICE - FUEL - (NC-100LL, A1 24 hr PPR) **TRAN ALERT** - Tfc to ASN shall rte LXR-W605-ASN.

REMARKS - RSTD - All acft entering, leaving or opr on aprn, maint min eng pwr.

CAUTION - Ctn while using Twy B due to obst on the rgt side of twy at a dist of 115' and a hgt of 25'. Ctn while ldg due to birds intcp final Rwy 35. Ctn while using Sub Rwy 35 due to lgt obst on the rgt side, at a dist of 164' before beginning of rwy, hgt 16'. **RWY** - Rwy 17-35 CLSD due to WIP. TWY A used as main rwy.

COMMUNICATIONS - RDO - 5859 2562 **RADAR** - Opr 0600-1800Z++. 119.35 123.725 **TWR** - 118.3 **FIRE** - 121.9 **REMARKS:** (Within 20NM)

NAVAIDS - ASWAN VORW-DME - HA 112.300 ASN CH 70 N23°58.31' E32°49.02' At Fld. 668/(A)3°00.0'E

ILS/RADAR - ➔ILS - BRG 348 LCZR AIL 109.5 GS 3°

ASYUT INTL, EG **HEAT** CIV N27°02.79' E31°00.72' 772 UTC+2(+3DT)

H-12H-14E, L-16E-20F

(B) **RWY-13** L6,38,50 (9905x148 ASP PCN 45 F/C/W/U) L6,11,50 **RWY-31**

SERVICE - FUEL - (NC- A1)

COMMUNICATIONS - RDO - 5859 2562 (2562 sby) **TWR** - 118.1 **FIRE** - 121.9

NAVAIDS - ASYUT VORW-DME - HA 117.700 AST CH 124 N27°01.87' E31°01.95' 307° 1.4 NM to Fld. 850/(A)2°00.0'E

ILS/RADAR - ➔ILS - BRG 307° LCZR IASU 111.3 GS 3°.

ATAQ, YM **OYAT** MIL/CIV N14°33.08' E46°49.57' 3735 UTC+3 **H-14G, L-20G**

RWY-13 L50 (9482x164 ASP AUW 135,000)

L38,50 **RWY-31**

REMARKS - Opr SR-SS.

COMMUNICATIONS - TWR - 118.6 **RDO** - 7595

ATAR, MR **GQPA** CIV N20°30.41' W13°02.59' 758 UTC 0 **H-11A, L-19A**

RWY-04 *L53 (9855x98 ASP DC9)

*L53 **RWY-22**

SERVICE - LGT - O/R 24 hr to GQNNZT

REMARKS - Opr SR+15-SS+15.

COMMUNICATIONS - INFO - Opr HS, OT O/R 24 hr to GQNNYDYX. 118.3

RDO - Opr HS, OT O/R 24 hr to GQNNYDYX. 5680

NAVAIDS - ATAR NDB - MHW 326.000 AR N20°30.14' W13°03.54' At Fld. Unk/5°59.8'W

ATAROT, WE See JERUSALEM

ATATURK, (YESILKOY) TU **LTBA** CIV N40°58.62' E28°48.88' 163 UTC+2(+3DT)

H-4H, L-15A

(B) **RWY-06** L2,4,5,9,11,50 (7546x197 CON PCN 100 R/A/X/T) L2,4,5,9,11,50 **RWY-24**

RWY-18L L2,3,4,5,9,10,50 (9842x148 CON PCN 100 R/A/W/T) L2,3,4,5,9,10,50,54 **RWY-36R**

RWY-18R L2,3,4,5,9,12,50 (9842x148 CON PCN 100 R/A/W/T) L2,3,4,5,9,12,50 **RWY-36L**

SERVICE - AOE LGT - PAPI Rwy 36R GS 2.7°. **FUEL** - A1 (Air BP, C+90-212-663-0221) (NC-J),

REMARKS - RSTD - C5 acft not permitted for ldg or dep. **CAUTION** - Due to obst on the apch / climb sfc Rwy 18R/36L aircrews will be responsible for considering acft load/performance in applying relevant climb/descend figures in order to clear obst. Hook can block view of windward PAPI on Rwy 18L-36R. Bird haz. WIP prk and trml areas. WIP Twy K btn Twy F and S. **TFC PAT** - Tfc pat for Rwy 18L/36R are W and Rwy 06/24 are SE unless otherwise specified by ATC. **MISC** - Twy J clsd btn Rwy 18L/36R and aprn A13.

COMMUNICATIONS - ATIS - 128.2 **YESILKOY APP - (R)** (E) 120.5 121.1 362.3 NORTH 120.5, SOUTH 121.1 **YESILKOY TWR - (E)** 118.1 121.8 257.8 **YESILKOY GND** - 121.8 121.9 251.25 **YESILKOY DELIVERY** - 121.7 **REMARKS:** Acft ctc YESILKOY clnc del for ATC clnc 10 min prior to start up. **YESILKOY RAMP** - 121.9

NAVAIDS - ISTANBUL VORTACW - HA 112.500 IST CH 72 N40°57.75' E28°48.58' At Fld. 108/(A)2°00.0'E

ILS/RADAR - ILS - ILS 36R LLZ unuse byd 10° W of cntrlrn.

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ATBARA, SU **NDB** - HHW 273.000 ATB N17°42.83' E34°03.22' Unk/2°34.9'E
H-12H-14E, L-20F

ATHINAI ACC (ATHINAI FIR/HELLAS UIR), GR **LGGG (E) CON** -
Kerkira Sctr - **124.625** 124.625 (**125.675** Prim) 125.675 **133.725** 133.725 **134.325**
(133.325 Prim) 278.55 308.875 **Milos Sctr** - (**123.825** Prim) 123.825 **125.2** (125.2 Prim)
126.125 126.125 278.55 279.5 308.875 **Rodos Sctr** - (124.475 Prim) **125.2** 125.2 (**126.125** Prim) 126.125 278.55 279.5 308.875 **Sitia Sctr** - **125.2 126.125** (**127.975** Prim)
278.55 279.5 308.875 **W Sctr** - (**124.625** Prim) **133.725 134.325** 278.55 308.875 **W**
Middle Sctr - **124.625** 124.625 **133.725** (133.725 Prim) (**134.075** Prim) 134.075
134.325 134.325 278.55 308.875 **FIS - INFO** - 119.75 130.925 (234.125 285.0 Mil)
RADAR ADVISORY - TURGRIT SVC - (E) 129.8 **SAR - (E)** 123.1 (282.8 Mil acft co-op in SAR). **RDO** - (5628 5637 Opr 0400-1700Z++), (2989 Opr 1700-0400Z++).
H-4G-10H-15E-16F, L-12H-14G-15A-16E, T-2E, AACDTD

ATHINAI, GR **DVORW-DME** - HA 114.400 ATV CH 91 (120/50) N37°53.32' E23°48.87'
1535/(A)1°00.0'E **H-15D, L-14H, T-2E**

AUBIGNY SUR NERE, FR **LFEH** CIV N47°28.45' E2°23.58' 630 UTC+1(+2DT)
L-7C
RWY-06 (3330x66 ASP) **RWY-24**
3035→ ←3068
SERVICE - FUEL - Avbl 1300Z+-SS Sat; 0830-1100Z++, 1300Z+-SS Sun and hol.
(NC-100LL)
REMARKS - SR-SS

AUGSBURG, GM **EDMA** CIV N48°25.51' E10°55.91' 1515 UTC+1(+2DT) **L-6H**
(B) **RWY-07** L2,5,9,39,50 (4199x98 ASP PCN 50 F/C/Z/U) L2,5,9,39,50 **RWY-25**
RWY-07L (3325x100 GRs) **RWY-25R**
SERVICE - LGT - PAPI Rwy 07 GS 3.3°, PAPI Rwy 25 GS 3.5° MEHT 48'. **FUEL** - (NC-100LL, A1) **OIL** - O-117-123
REMARKS - Opr 0500-2000Z++, PPR 0500-0600Z++, 2000-2100Z++ Mon-Sat; PPR 0500-0800Z++, 2000-2100Z++ Sun and hol. **RSTD** - NORDO proh. Estab etc 5 min prior to compul REP. Const rwy 07/25 ASDA extn, PAPI rwy 07 disp. PPR rqr for acft over 30,864 lb. **CAUTION** - Ints lgt F/W acft trng in vcnty. Obst 1730' MSL, 6532' thld Rwy 25. Pilot responsible for maneuvers on apron, mnt twr freq. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol.
CSTMS/AG/IMG - CSTMS - PAX wo merchandise only. **MISC** - 24 hr PN for PPR fone C+49(0)8212 7081 34, fax C+49(0)8212 7081 19.
COMMUNICATIONS - ATIS - Opr 0600-2000Z++ Mon-Sat, 0800-2000Z++ Sun and hol. 124.575 **TWR** - Opr 0600-2000Z++ Mon-Sat, 0800-2000Z++ Sun and hol. 124.975 **MUNCHEN RADAR** - 128.25 279.6 **MUNCHEN INFO** - 120.65 126.95
NAVAIDS - AUGSBURG DME - T AUG CH 106 (025/10) N48°25.46' E10°55.98' At Fld. 1542/1°28.4'E **AUGSBURG NDB** - MHW 318.000 AGB N48°25.46' E10°55.99' At Fld. 1542/1°28.4'E **VHF/DF**
ILS/RADAR - ➔**ILS** - BRG 251° LCZR AUG 108.50 GS 3.5°. GP useable ±10° wi 18NM, ±35° wi 10NM.

AUREL VLAICU, (BANEASA) RO **LRBS** CIV N44°30.19' E26°06.13' 297
UTC+2(+3DT) **H-4G, L-10I**
(B) **RWY-07** L4,5,11,50 (10499x148 CON PCN 64 R/D/W/T) L4,5,24,50 **RWY-25**
9712→ ←7890
SERVICE - FUEL - (NC-100LL, A1, A1+)
REMARKS - CSTMS/IMG - Avbl
COMMUNICATIONS - APP - 118.25 120.6 **TWR** - 120.8 **GND** - 129.95
PRECISION - (R) 125.2
NAVAIDS - BANEASA SOUTHEAST NDB - MHW 256.000 BSE N44°31.78' E26°13.83' 250° 5.7 NM to Fld. Unk/4°21.4'E **BANEASA SOUTHWEST NDB** - MHW 521.000 BSW N44°28.33' E25°57.12' 070° 6.7 NM to Fld. Unk/4°18.3'E

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ILS/RADAR - ➔ ILS - BRG 070° LCZR I-BS 109.5 GS 3° LOM BSW 521 LMM B 385 ■ **RADAR**
- PAR - Call PRECISION - 125.2

AURILLAC, FR **LFLW** CIV N44°53.48' E2°25.32' 2096 UTC+1(+2DT) **H-7B, L-8G-11C**
RWY-15 L1,5,9,27 (5577x98 ASP S55 T74 ST94) L1,5,50 **RWY-33**

SERVICE - LGT - PAPI Rwy 33 GS 4.5°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0500-1100Z, 1230-1730Z, 1900-2100Z Mon-Fri; Clsd Sat; 1530-1730Z, 1900-2100Z Sun Oct 1-Apr 30. 0400-1000Z, 1130-1630Z, 1800-2000Z Mon-Fri; 0700-1000Z, 1200-1600Z Sat; 0800-1000Z, 1230-1630Z, 1900-2100Z Sun May 1-Oct 9. Hol by NOTAM. OT PPR 24hr. **RSTD** - NORDO proh. **CSTMS/IMG** - Avbl with 24hr PN to ATS Mon-Fri.

COMMUNICATIONS - INFO - 118.325

NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS - BRG 151° LCZR AR 110.3 GS 3° LOM AR 343.

AUTUN, FR **VORW-DME** - HA 114.900 ATN CH 96 (060/50) N46°48.36' E4°15.55'
2244(A)1°0.0'W (120/50 to the NW) DME not co-lctd 46° 48.3'N 04° 15.6'E **H-7B, L-8H**

AUVERGNE, FR **LFLC** CIV N45°47.20' E3°10.15' 1090 UTC+1(+2DT) **H-7B, L-8G**
RWY-08 L4,7,9 (9892x148 ASP L3,4,5,9,10,50 **RWY-26**
S129 T152 ST175 TT245) ←9416

SERVICE - AOE LGT - PAPI Rwy 26 MEHT 61'. **FUEL** - 0500-2200Z++ Mon-Fri, 0500-1930Z++ Sat, 0830-2130Z++ Sun and hol. OT O/R. (NC-100LL, A1+) **OIL** - O-113-117

REMARKS - RSTD - When RVR is 400M or less, stop bars OTS and limit one acft taxiing on movement area.

COMMUNICATIONS - CLERMONT ATIS - 136.4 **CLERMONT APP - (R)** 120.325 128.625 375.4 **CLERMONT TWR** - 118.625 **CLERMONT GND** - 121.95

NAVAIDS - CLERMONT VORW-DME - HA 114.350 CFA CH 90(Y) (100/50) N45°47.25' E3°11.53' 268° 1.0 NM to Fld. 1093/0°33.3'W

ILS/RADAR - ➔ ILS BRG 265° LCZR CF 111.1 GS 3° LCTR CF 367

AVEIRO, PO **LPAV** CIV N40°39.25' W8°44.61' 26 UTC 0(+1DT) **L-11A**
RWY-17 (4593x164 ASP) **RWY-35**

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr SR-SS. **CAUTION** - Bird haz.

AVIANO AB, (PAGLIANO E GORI) IT **LIPA/LIYW** MIL/AF N46°01.91' E12°35.79' 410
UTC+1(+2DT) **H-7D, L-9D, AACDTD**
(B) **RWY-05** L2,5,9,11,50 (8551x144 ASP PCN 65 R/A/W/T) L5,9,50 **RWY-23**
←HOOK E5 (89' OVRN) HOOK BAK-12A(B) (983') HOOK BAK-12A(B) (2419')
HOOK BAK-12A(B) (2357') HOOK BAK-12A(B) (898') HOOK E5 (126' OVRN) →

SERVICE - AOE LGT - PAPI Rwy 05, 23 GS 2.5°. **A-GEAR** - Rwy 05 apch end BAK-12 avbl O/R, 15 min PN. Dep end barriers up. **JASU** - (A/M32A-86) (AM32A-60A) **FUEL** - J4 **FLUID** - SP HPOX LOX LHOX LHNIT **OIL** - O-148-156 JOAP **TRAN ALERT** - Tran acft can exp svc dllys. No maint cap avbl. Min manning on wkend/hol. Launch and recovery of ftr acft not avbl on wkend and hol.

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REMARKS - Opr 0700-2100Z++ exc for ITAF apv msn, clsd Sun. **CAUTION** - Rapidly rising mt terrain 4 NM NW. Possible hang glider act along mt (sfc to 500') N of rwy, wkend/Italian hol. Bright lgt lde prior to thld and 2000' byd thld rgt side may cause disorientation on FNA Rwy 05. Bird haz Apr-Sep. Rdo com difficulties on all freq btn rad 240° CW 030° AVI TAC at and blw FL 180. **TFC PAT** - Overhead pat (N of rwy) avbl SR-SS exc wkend/Italian hol. Lt turns Rwy 05, rgt turns Rwy 23, always break twd mts. Rectangular 1500', overhead 2000'. Std USAF RSRs applies. **NS ABTMT** - S VFR rectangular pat clsd to ftr acft and larger, due to NS ABTMT pro. Avoid ovft of small towns w/ 3 NM of arpt and observe all NS ABTMT pro. Single str-in apch/full stop on wkend and Italian hol. Single apch to full stop ldg fr 2100-0630Z++. **MISC** - Attn all aircrews-If you are inbd to Aviano fr any stn other than stn you notified afld management OPS of on yr PPR, you must call and chg yr PPR. Aviano does not accept DD FM 1801. If outd flt plan is not in sys, pilots must be prepared to fill out a 'Piano di Volo' IT version of DD FM 1801 in ink. All aircrews using STS/AFTMEXEMPTAPPROVED in blk 18 of flt plan must coord with Rome, 'PRESIDENZA DEL CONSIGLIO DEL MINISTRI-UFFICIO PER I VOLI DI STATO, DI GOVERNO ED UMANITARI, ETC' to obtain auth code. Auth code is rqr or rmk must be removed fr flt plan. Ctc afld mgr for assistance. All aircrews and PAX will travel off/on Aviano AB in civ attire only. Recommend wearing this when traveling in or having this readily avbl upon arr. The changing of clothes can be accomplished at the AMC trml. All RON crews are rqr to file outbd FPL and RON statement with Afld Management prior to crew rest, altering ETD or rte may result in ATC dly. All other transiting crews must file NLT 3 hrs prior to EOBT to avoid lengthy slot times. Ctc GND for eng start apvl and ATC clnc 20 min prior to ETD. Official wx issued by ATC is ITAF wx (LIPA). USAF wx obsn avbl dur wing flying only under LIYW. USAF wx fcst (LIYW) avbl H24 not amd btn 2200-0600Z++. Wx fcst info avbl H24 fr 21 OWS DSN C496-6145/6 or C+49 6302 67 6145/6. Rwy 05-23 has 2/15 Kt. wind cones. See AP/2-ITALY Supplementary Arpt Rmks for additional info on A-G, Tran Alert and RSTD entries. RVR not avbl. Non-TACAN eqpt acft must be prepared to execute the NDB Rwy 05 apch on arr at Aviano dur periods of peak act with Padova CON and Aviano APP. COMSEC not avbl. **A** - PPR/OFFL BUS ONLY. Msn Diplomatic Clnc Nr (MDCN) must be obtained prior to PPR Nr. All inbd/outbd acft must have MDCN and PPR Nr in fld 18 of FPL. In add, all haz cargo msn must have the phrase 'haz cargo' prior to corr MDCN and PPR Nr in fld 18 of FPL. Failure to do so may result in denied ldg or tkof clnc by ITAF. All acft must req PPR not later than 24 hr. Ctc Afld Management 632-7222/7634, fax 8674. All inbd acft must ctc Comd Post (FALCON OPS) and AMC msn ctc AMCC 30 min prior to arr. AMC acft must provide copy of crew orders/PAX manifest to AMC and non-AMC acft to Tran Alert upon arr. Ltd hvy acft park avbl. 1 haz cargo pad avbl w/48 hr PN and coord. All 4 eng jet acft have outbd eng on idle for taxi maneuvers. Ltd COMSEC stor capability.

COMMUNICATIONS - (Exp voice com rcpt difficulties on all freq 240° CW 030° byd 20 NM fr Aviano at and blw FL180.) **PTD** - 396.875 **ATIS** - 129.3 290.875 375.45 **APP - (R) (E)** 120.125 275.325 362.3 (134.1 Joint ItAF/USAF) **REMARKS**: APP svc 2100-0500Z with Treviso APP 120.4. Radar svc not assured. **TWR - (E)** 142.05 284.65 **GND** - (122.1 Joint ItAF/USAF) 376.65 **CLNC DEL** - 122.1 376.65 **VFR RADAR ADVSY SVC** - Ctc ItAF APP CON **(R)** 362.3 **COMD POST** - (Yankee OPS/DF msn, Falcon OPS/all others) 369.2 262.95 **AMCC** - 264.8 **PMSV METRO** - 257.75 **REMARKS**: Wx briefing avbl as duties permit dur posted hr, OT briefings provided by 21 OWS DSN C496 6145/6 or C+49 6302 67 6145/6. Full svc avbl H24 Mon-Fri, svc may chg ref Wg flying. **SOB** - 262.95

NAVAIDS - AVIANO TACAN - HA AVI CH 11 (040/25) N46°01.67' E12°35.21' At Fld. 413/(A)1°00.0'E MP 1300-1500Z++ Fri. **AVIANO NDB** - MHW 390.000 AVI N45°55.46' E12°25.71' 046° 9.5 NM to Fld. Unk/1°50.0'E MP 0700-0900Z++ Wed. AVI TACAN unuse

058°-243° byd 25 NM blw 2,000'
243°-258° byd 20 NM blw 10,000'
258°-288° byd 10 NM blw 10,000'
258°-288° byd 16 NM blw 15,000'
258°-288° byd 22 NM blw 18,000'
288°-058° byd 25 NM blw 20,000'

ILS/RADAR - ILS DME 05- **CAUTION**: ILS critical areas unprotected. When wx is blw 800ft/3200m, the PAR will be utilized to provide radar mnt on final. If the PAR O/S, the ILS cannot be flown to less than 800ft/3200m. Rwy 05 ILS unuse for coupled app blw 555' MSL. Rwy 05 LLZ unuse byd 15° N of cntrl. MP 0500-0900Z++ Mon. **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA. ASR MP 0500-0700Z++ Tue-Fri.

AVIGNON, FR **VORW** - HA 112.300 AVN N43°59.72' E4°44.78' Unk/(A)2°00.0'W
H-7B, L-11D

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AVORD, FR **LFOA** MIL N47°03.20' E2°37.95' 580 UTC+1(+2DT) **H-7B, L-8G**
RWY-06 L5,9,50 (11493x148 ASP L2,5,9,23,50 **RWY-24**
S104 T133 ST172 TT235)
A40 UNK (180' OVRN) A40 UNK (180' OVRN)
SERVICE - FUEL - (NC-100LL, A1+) **FLUID** - LOX OXRB **OIL** - O-133-156
REMARKS - Opr 0730-1600Z++ Mon-Thu; 0730-1400Z++ Fri; O/R prior 1300Z++ prev bus day for Sat, Sun and hol. **RSTD** - Ldg with PPR C33.2.48.69.13.05 extn 82254 prev day before 1700 lcl. Auth Nr must be inserted in field 18 of FPL. Ovft proh blw 1000'. NORDO proh. **CAUTION** - New obst const 267° .5NM fr Rwy 24 thld hgt 104'. **CSTMS/AG/IMG** - CSTMS O/R 24 hr. (CSTMS at Bourges)
COMMUNICATIONS - APP - (E) 138.975 142.45 233.0 233.525 362.3 **APP - (E)** 119.7 122.1 CIV **TWR** - 122.1 142.225 234.1 257.8
NAVAIDS - **AVORD TACAN** - HA AVD CH 43 (150/50) N47°03.48' E2°37.79' At Fld. 554/(A)2°0.0'W **AVORD NDB** - HW 288.500 AVD N47°07.24' E2°47.98' 240° 8.0 NM to Fld. 679/0°46.0'W **VHF/UHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 242° LCZR AV 110.7 GS 3° ■ **RADAR** - ASR - Call RADAR - 123.3 140.675 234.925 265.9 368.8 PAR - Call GCA - 123.3 141.3 234.925 336.1 368.8.

AXUM, ET **HAAX** CIV N14°08.81' E38°46.37' 6959 UTC+3 **L-20F, H-14F**
RWY-16 L6,34,50 (7874x148 ASP PCN 50 F/C/X/T) L6,34,50 **RWY-34**
REMARKS - Opr 0400-1500Z.
COMMUNICATIONS - TWR - 118.3
NAVAIDS - **AXUM NDB** - HW 440.000 AX N14°08.76' E38°46.58' At Fld. 6319/2°10.5'E Opr 0400-1500Z.

AZEZO, ET See GONDER

BAATVIK, NO **NDB** - HW 362.000 BVK N62°14.45' E5°48.60' Unk/1°14.0'W **H-2F, L-1B**

BABICE, PL **EPBC/EP61** CIV N52°16.11' E20°54.66' 352 UTC+1(+2DT) **L-21B,T-1**
RWY-10R L4,33,55 (4265x295 CON PCN 10 R/B/X/U) L4,33,55 **RWY-28L**
←2530

SERVICE - LGT - Portable rwy edge lgt O/R **FUEL** - O/R 0700-1900Z Mon - Fri (NC-100LL, A1)

COMMUNICATIONS - INFO - 119.175

BABIMOST, (ZIELONA GORA) PL **EPZG** CIV N52°08.31' E15°47.91' 194 UTC+1(+2DT) **H-8F-5E, L-5E-21A**
RWY-06 L5,35,50 (8202x197 CON PCN 57 R/B/W/T) L5,35,50 **RWY-24**
SERVICE - FUEL - (NC-100LL A1)
REMARKS - Opr 0400-2000Z++ Mon-Fri, 0400-1200Z++ Sat, 1130-1930Z++ Sun, OT PPR 24 hr. **CSTMS/AG/IMG** - CSTMS/IMG avbl. **MISC** - 8202x492 grass emerg only ldg strip lctd S side of rwy.
COMMUNICATIONS - TWR - Opr 0500-2100Z Mon-Sun, OT O/R 24hr. Call ZIELONA GORA TWR. 118.75
NAVAIDS - **BABIMOST NDB** - MHW 390.000 BBM N52°08.42' E15°47.77' At Fld. Unk/2°52.6'E

BACAU, RO **LRBC** MIL/CIV N46°31.32' E26°54.62' 607 UTC+2(+3DT) **H-4G, L-10I**
RWY-16 L5,11,50 (8203x262 CON PCN 19 R/C/W/T) L5,11,50 **RWY-34**
SERVICE - FUEL - (NC T-1) **FLUID** - De-Ice
REMARKS - Opr 0500-2000Z++ , OT O/R 24 hr PN. **CSTMS/IMG** - Avbl **MISC** - Fone C+40-(0)234-575362, e-mail aerobac@rdslink.ro
COMMUNICATIONS - APP - (R) 118.6 **TWR - (R)** 118.6 **PRECISION - (R)** 133.7
NAVAIDS - **BACAU DVORW-DME** - HA 109.400 BCU CH 31 N46°30.66' E26°49.53' 075° 3.6 NM to Fld. 1752/(A)4°00.0'E **BACAU NDB** - HHW 426.000 BC N46°28.69' E26°55.64' 341° 2.7 NM to Fld. 479/4°45.8'E

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ILS/RADAR - ■ RADAR - SRE - Call RADAR - 118.6 PAR - Call PRECISION - 133.7

BACCHUS, SW **NDB** - MHW 416.000 BCS N62°34.22' E17°02.71' Unk/4°11.7'E
H-2G, L-1C

BACKA, SW **DVORW-DME** - HA 112.700 BAK CH 74 (080/50) N57°33.31' E11°58.61'
301/(A)1°00.0'E **H-2G, L-2F**

BADAJOZ, SP See TALAVERA LA REAL

BADALA, GV See FARANAH

BADR AIR BASE, (SEPAH AIR BASE) IR **OIFP** MIL N32°37.27' E51°41.82' 5242
UTC+3:30 **H-13C, L-17B-18F**
RWY-08L L5 (10920x140 ASP) L5,12 **RWY-26R**
RWY-08R (1467x97 ASP) **RWY-26L**
SERVICE - FUEL - (NC-100LL,A1)
REMARKS - Opr SR-SS. **RSTD** - PPR. **CAUTION** - Ints copter act. Animal and bird haz. Two
lgt'd minarets 306' AGL lctd 1 NM NW of afld.
COMMUNICATIONS - TWR - (E) 118.1 121.7

BAGHDAD, IZ See WASHINGTON AHP

BAGHDAD INTL, IZ **ORBI** AF N33°15.75' E44°14.07' 114 UTC+3(+4DT)
H-13B, L-16H
RWY-15L L9 (13124x197 CON PCN 56 R/C/W/T) **RWY-33R**
RWY-15R (10830x148 CON PCN 51 R/C/W/T) **RWY-33L**
SERVICE - AOE **LGT** - Rwy 15R/33L emerg afld lgt sys (EALS) in use at reduced intensity,
nstd lgt. Twy lgt not avbl on twy A,G,N,R,T,V,S,S1-S6. Due to ltd ramp lgt, all acft turn on
posn lgt and/or formation lgt upon exit of active rwy to show other acft on gnd their posn
and maint safe acft clnc. Lgt rqr for taxing only and may be turned off upon entering rwy
for dep. **FUEL** - J8-Ltd, A1 (AvCard Skylink Air and Logistic (US fone) C 703-318-4000 or C
011-964-7901-909-452). Mil acft req fuel svc fr the mil trml in excess 40,000 lbs must coord
with 477 ELRS/LGRF (pol) RCC at DSN 318-446-2319,2321,2322. Failure to coord prior to
arr may result in failure to svc the req. **FLUID** - LHNIT **OIL** - Ltd to C5/C17 only.

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REMARKS - RSTD - PPR / offl business only for all tran F/W air tasking order asgn msn. Call afld mgr at DSN 318-446-2900, email 477aeg/osaa@bdab.aorcentaf.af.mil, for PPR Nr. All acft must req a slot time fr RAMCC to land at Baghdad Intl. Civil acft rstd to day VFR only. No fleet svc, catering, flt planning or FPL filing avbl for mil/civ acft. All acft must file stopover FPL's. All civ acft with haz cargo ctc RAMCC with haz cargo info; mil acft with haz cargo ctc RAMCC and comd post at least 24 hr prior to arr for coord. Ctc RAMCC at DSN 318-471-5184 or C+974 460 9869 ext 471-5184 or e-mail: ramcc.iraq@auab.aorcentaf.af.mil. CLNC DEL svc not avbl. All F/W R/W ovft 2500 ft W of Rwy 15R/33L proh, sfc to 600 ft AGL. Eng run offload for F/W acft: C-17 and C-130 only. Eng run offload not permitted dur sand storms. Eng run offload not permitted with HUMAN remains. Hot cargo eng run offload IAW DIRMFOR guidance. Loading team will not app acft til acft Comdr confirms tkof ck list items complete, eng in low speed gnd idle (desired) or reverse thrust as appropriate. Acft more than 30 min early given lo priority than on time arr. Coord with KINGFISH HOTEL no later than 30 min prior to ldg.

CAUTION - No current obst data. Ctl twr (aprx 190 ft) N of civ trml, btn 15R and 15L apch. No obst lgt on twr. Com masts (aprx 1180 ft) aprx 3NM NNE of afld-no obst lgt. Numerous unlit obst within 300 ft of 15L/33R and 15R/33L. Historical bird/wildlife act and migration data not avbl. Increase in bird/wildlife act observed near rwy +/- 1 hr SR/SS. Exer caution when arr/dep dur these periods. Std detonation site lctd aprx 0.5 NM fr dep end Rwy 33L. Twr will announce detonation with bcst and clsd Rwy 33L, til detonation are complete. Aircrew shall ck for hung chaff/flares prior to taxi to prk if dispense chaff/flares or rcv indications of. After coord with twr, ck may be cont after exiting rwy, ctc 447 AMXS, DSN 318-446-2511. All acft use inboard eng only, due to FOD when taxing on/off Rwy 15R/33L/Twy sfc. All inbd acft inbd to mil ramp ctc Kingfish Hotel 20 min prior to ldg for coord for apch to ldg. Baghdad rdo flt flw svc in std Army avn flt rte (SAAFR) USA 3, VHF 127.350 MHz and UHF 330.750 MHz, point of contact at DNVT 302-551-9312. Dist remaining mrk are reflective only. Cir E of Rwy 15L/33R proh. Rstd area lctd 1.3 NM E Rwy 33R thld, 0.3 NM rad of N33°15.26' E44°16.28'. Sfc to 3000 ft MSL, and 2.0 NM NE of Rwy 15L, 0.3 NM rad of N33°20.42' E44°20.50', sfc to 1500 ft MSL. Twy G, N, R, T, A, O, clsd to mil acft. Apron D, E, K, Clsd to mil acft. Exer extreme caution when opr on twy M and AMC apron due to numerous spalls and conc joint breaks (small to med in size). Copter use caution for pers/eqpt in vcnty of main forward air refuel pt (FARP). Two impact spalls near shoulder of twy P6 hammerhead, max depth 12 inch, marked with cones. Unmarked 6 inch conc slabs with 6 ft deep manholes along E and W shoulder edges for Rwy 15L/33R. Hvy caliber frng rng lctd 1/2 mile W of AMC apron. All arr and dep copter are advs to ctc Baghdad Helo on 131.7 for svc in, out and thru ORBI class D airspace. Copter opr unfamiliar with new pro, alt, fixes and rte should ctc Baghdad twr via landline prior to dep. Spiral arr and dep must remain within 3.5 DME. Numerous impact spalls on mid ramp in the vcnty of JMMT hgr, max depth 3 inches. Rstd area 1 NM NW of Rwy 15R thld, 0.4 NM rad of N33°16.82' E44°12.13' sfc to 3000 ft MSL. Two impact spalls near shoulder of twy P6 hammerhead, max depth 12 inches, mrk with cones. Exer extreme caution for numerous copter and F/W tfc opr within ORBI class D controlled airspace. All F/W acft dep must maint rwy hdg til at or above 450 ft AGL. F/W acft arr must maint at or above 800 ft AGL on downwind and shall not descend below 450 ft AGL til estab on final app and within 1.25 NM prior to ldg. All arr and dep copter tfc will opr at or below 300 ft AGL while in ORBI class D airspace at all times. Excessive rubber build-up apch end Rwy 33R has obscured cntrln and may cause reduced braking capability during rwy sfc cond wat. Debris field lctd 1000 ft before Rwy 15R thld, and 1000 ft after Rwy 33L dep end. Nr obst pose haz to acft opr.

MISC - Ck NOTAMs for updated info. Medevac msn will ldg on medevac spot (W of DV1). Arr acft flw twr and marshallars instr. Other copter tfc will hover or ldg N/S of AMC ramp, or at spot precoord with comd post. Acft comdr ctc comd post DSN 318-446-2442 prior to tkof to avoid confusion and delays. Afld mgr DSN 318-446-2900. All tran copter tfc must hold on twy M and wait for a marshaller for prking. Req wx fcst using ICAO ident KQTZ. Wx fcst DSN 318-446-2906 avbl H24 Sun-Sat. Wx radar not avbl. Ck NOTAMs freq for tmpry chg in wx svc. Remote wx brief avbl for mil opr H24 via CENTAF Opr Wx Squadron (OWS) DSN 312-965-0907. C +1 (803) 895-0907. All mil acft incl copters ctc twr for tfc advsy, wx, and ldg info. Limit eng runup opr to a min, only if msn rqr. Must be coord 15 min prior to arr. All R/W tfc (exc medevac) will arr or dep at N/S end of twy mike. R/W acft will ctc Kingfish Hotel for flw me veh to prk. R/W acft may proceed to prk after ldg on twy mike N/S til progressive taxi instr fr twr. Comd post DSN 318-446-2442. Acft opr exp to provide tow bar. **RWY** - All mil acft arr/dep Rwy 33L/15R rstd fr ovft living areas, fuel stor, and HAS areas blw 1000 ft AGL.

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COMMUNICATIONS - INFO - 127.25 *REMARKS:* Unavbl UFN **BALAD ACC** - 123.52
274.57 **RDO** - 127.35 352.375 *REMARKS:* Due to hi volume of copter tfc opr lo level in
vcnty of arpt, all acft dep arpt and entering cl G airspace shall ctc Baghdad rdo for tfc info.
APP - 128.2 242.5 *REMARKS:* No rdo coverage with Balad APP blw 3000 MSL in the vcnty
of ORBI. **TWR** - 118.7 131.7 275.8 *REMARKS:* Lost comm acft ovft rwy of intended ldg at
1000 ft AGL and Dep acft are to ctc Balad APP 131.9. **GND** - 121.7 264.6 **DEP** - 131.9
363.8 **HELO** - 131.7 **COMD POST** - Call KINGFISH HOTEL 20 min inbd to Sather AB.
133.5 299.625 **METRO** - 116.15

NAVAIDS - BAGHDAD VORW - HA 110.600 BGD N33°15.64' E44°14.95' At Fld.
110/(A)4°00.0'E Unmto. MP 0400-0600Z++ Mon and Thu. **BAGHDAD TACAN** - HA BAP
CH 64 N33°16.00' E44°13.36' At Fld. 114/3°51.0'E **BAGHDAD TACAN** - HA BGD CH 43
N33°15.61' E44°14.97' At Fld. 110/(A)4°0.0'E Unmto.

BAGLUM, TU **VORW-DME** - T 113.100 BAG CH 78 N40°04.17' E32°48.62'
4783/(A)3°00.0'E **H-4H-13A, L-15B**

BAGUR, SP **DVORW-DME** - HA 112.200 BGR CH 59 N41°56.86' E3°12.53'
1082/(A)1°00.0'W **NDB** - HW 319.000 BAG N41°57.09' E3°12.18' Unk/0°20.3'W O/S til
30 Jun 06 est
BGR VOR-DME unuse 294°-009° blw 6000'
224° blw 3000'

H-15A, L-11C

BAHIR DAR, ET **HABD CIV** N11°36.48' E37°19.30' 5978 UTC+3 **L-20F**
RWY-04L6 (9842x200 PEM) **L6A,50 RWY-22**

REMARKS - Opr 0400-1500Z.

COMMUNICATIONS - TWR - 118.3 **GND** - 121.9

NAVAIDS - BAHIR DAR NDB - HW 212.000 BD N11°35.05' E37°19.05' 010° 1.4 NM
to Fld. Unk/2°2.5'E Opr 0400-1500Z. **BAHIR DAR NDB** - HW 420.000 TN N11°35.49'
E37°18.29' 045° 1.4 NM to Fld. Unk/2°2.5'E Opr 0400-1500Z.

BAHRAIN ACC, BA **OBBD (CIV)** **CON** - (R) (E) 126.7 122.3 02992 5658 5667 8918
13288 13312 **H-13C, H-14G, L-16H, L-18F, L-20G**

BAHRAIN INTL, BA **OBBI CIV** N26°16.25' E50°38.02' 6 UTC+3 **H-14G, L-18F**
RWY-12L L4,5,33,50 (12979x197 ASP PCN 66 F/B/X/U) **L3,4,5,29,50 RWY-30R**
11979→ ←11979
RWY-12R L2,5,13,50 (8302x148 ASP PCN 66 F/B/W/T) **L2,5,13,50 RWY-30L**
7302→ ←7907

SERVICE - AOE FUEL - A1 (Bahrain Avn Fueling Co, fone C973-329400. Truck 2 wk PN 7 AM
to 10 PM) (NC-100LL)

REMARKS - RSTD - Due to congestion and lcl sensitivity, RON NOT AUTH, all acft arr rqr 24
hr PN for prk reservation, ATOC DSN 318-439-3321/COM 973-1733-1868. Acft arr wo
reservation may be diverted. Ramp space extremely ltd. Large acft (B-727 and larger) ltd to
1 acft on the gnd at a time. Gnd time ltd to 4 hrs. Strict compliance with FCG enforced.
Emerg OPS issues may be relayed to American Embassy, Manama, Office of Mil
Cooperation, 0500-1400Z Sat-Wed. Call ATOC 30 min prior to ETA on freq 321.750 for pkg
assignment. Rwy 12R/30L for emerg use only. **CAUTION** - Windshear up to 40 Kt; req rpt
on apch at 800' -1000' dur Jul thru Sep. WIP. Bird haz. **MISC** - Mand nose-in/push-back prk
pro.

COMMUNICATIONS - ATIS - 127.2 **APP** - (R) (E) 125.7 **TWR** - (E) 118.5 344.0
GND - Opr 0400-1100Z and 1500-2000Z dly. 121.675 121.85 **ATOC** - 321.75

NAVAIDS - BAHRAIN DVORW-DME - HA 115.300 BAH CH 100 N26°15.85' E50°38.93'
At Fld. 24/(A)2°00.0'E **BAHRAIN NDB/LMM** - MHW 395.000 LB N26°15.50' E50°39.31'
301° 1.4 NM to Fld. Unk/2°11.8'E

ILS/RADAR - ILS-DME 12, 30

BAIA MARE, RO **NDB** - HHW 404.000 BMR N47°40.27' E23°20.76' 095° 5.1 NM
to TAUTII MAGHERAUS. 531/4°15.9'E **H-4F, L-10H**

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BAILEN, SP **VORW-DME** - HA 116.200 BLN CH 109 N38°09.15' W3°37.50'
1788/(A)3°33.6'W **NDB** - MHW 418.000 BAI N38°09.09' W3°37.75' Unk/2°07.5'W
H-16I, L-11B

BAILOVO, BU **DVORW-DME** - HA 117.500 BLO CH 122 N42°40.05' E23°48.77'
3051/(A)2°0.0'E **H-4G, L-12H**

BAKEL, SG **GOTB** CIV N14°50.84' W12°28.10' 98 UTC 0 **H-11C, L-19A**
RWY-07L55 (5741x98 MAC) **L55 RWY-25**
4758→
REMARKS - Opr SR-15-SS+15, OT O/R 2 hr.

BALAD ACC, IZ **ORBB** MIL **CON** - 123.525 274.575 **H-13B,C, L-15D, 16H, 17A, 18E**

BALAD SOUTHEAST, (AL BAKR) IZ **ORBD** A N33°56.41' E44°21.69' 161
UTC+3(+4DT) **H-13B, L-16H**
RWY-12 (11495x149 PEM PCN 43 F/C/W/T) **RWY-30**
HOOK MAAS(B) (2656') HOOK MAAS(B) (2152')
RWY-14L53 (11490x197 CON PCN 57 R/B/W/T) **L53 RWY-32**
HOOK MAAS(B) (2100') HOOK MAAS(B) (2047')

SERVICE - LGT - Rwy 12/30 and 14/32 nstd lighting, emerg afld lgt sys (EALS) in use at reduced ints, EALS will be set to med ints for all C-5 arrivals or at pilot's req. Apch lgt consist of a 1000' lgt bar til thld lgt bar. Solar pwr, lo brilliance rwy edge lgts in use as backup to EALS, lct 5' fr rwy edge. Solar pwr, lo brilliance twy edge lgts in use. In IMC EALS will be set to med ints. SS to SR EALS set to med ints. Rwy 14/32 dist remaining mrk E side lgtd with nstd flood lgt. PAPI on Rwy 12/30 and 14/32 are not certified. **A-GEAR** - MAAS dep end cable in raised posn. A-G MAAS lgtd with nstd flood lgt. **FUEL** - J8. Ltd avbl, exp min 1 hr turn around time for req greater than 100 thou lb. For tran fuel req ctc King Fish Romeo. Fuel svc not avbl for tran acft wo valid T-DODACC account. Cash sales of fuel not avbl. **FLUID** - One de-ice truck avbl ltd svc. **TRAN ALERT** - No fleet svc.

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REMARKS - RSTD - Rwy 12/30 clsd 0400-0800Z++ Sun, exp men and eqpt on rwy. Twy Alpha clsd to F/W acft wo apvl. Acft do not enter Bravo N Ramp wo flw me or marshaller in sight. Twy Charlie, Echo, Hotel and N/S entrances to the Bravo N Ramp width has been extn to 100 ft. Twy Charlie E of Rwy 32 to twy Bravo rstd to C17 and smaller acft. Twy Delta btn Rwy 12/30 and 14/32 rstd to C17 and smaller acft. Acft are rqr to use inboard eng only on all twy to ctl FOD. Twy Delta E of twy Bravo is perm clsd to acft opr. Acft access prk area thru Delta-1. Aerodrome PPR for all tran civ and mil F/W acft incl those not on the ATO, etc AM Ops DSN 318-443-6065(STE)/6675 for PPR. PPR good for +/- 30 min fr PPR apvl time. Mil PPR may be issued on short notice but advance notice is exp. Email: NIPR eoss.osam@blab.centaf.af.mil; SIPR: eoss.osam@blab.aorcentaf.smil.mil. All acft must ctc Balad twr before entering 5NM. All R/W and F/W acft with a DV code 7 or hi rqr a PPR. Rwy 12/30 no precision apch avbl. Twy Delta cntr clsd to acft larger than C-17 or greater than 170 ft. If back taxi rqr on Rwy 12, make 180° facing E. **CAUTION** - Significant FOD haz exists on rwy and twy. R/W acft will not prolong hover on int of rwy and twy due to hi FOD potential. Due to presence of birds on and around the aprt all pilots should exer caution dur taxiing, ldg and tkof. Bird watch cond moderate in eff +/- 1hr SR/SS due to birds in the apch path of Rwy 30 and 32. Four obst (twr) three 130 ft AGL located at: N33°54'40.30" E44°22'13.80", N33°56'22.14" E44°24'18.38", N33°57'01.23" E44°19'39.04", and one 95 ft twr lctd at: N33°58'05.80" E44°20'55.60". All acft will have posn and anti-collision lgt on while opr on the gnd. Aircrews: Nr cranes opr on and around Balad SE AB, Logistical Support Area Anaconda may or may not be properly lgt, or flagged. Unmanned acft veh opr in the vcnty Balad AB. Acft use caution on apch/dep phases of flt. Aircrews advs to use caution dur wet rwy sfc cond. Hi potential exists for hydroplaning due to excess rubber build up. C-5 and larger will not taxi on twy Bravo S of twy Hotel due to hi FOD potential. Copter opr: (1) N ramp ltd to copter carrying DV code 6 and higher. (2) Twy Delta 1 clsd to copter opr. (3) Maint at or abv 100ft AGL when ovft of Rwy 12/30, debris blown on rwy cause 1 hr rwy clsd. (4) Afld infield (cntr sod) unimproved, debris may cause damage to acft. (5) Do not ldg on or hover over W copter tran ramp, gnd pers working in the area. (6) Do not overfly int of Rwy 12/30 and Delta twy (NE corner), tmpry UAV staging site. **MISC** - AM OPS has no COMSEC stor avbl and ltd supply of FLIP. Compass rose on twy Charlie is not certified. (Base wx stn H24 Sun-Sun; full obsn, fcst, PMSV and ltd wx radar avbl at DSN 318-443-6676/6081. Send email for wx to: eoss.osw@blab.centaf.af.smil.mil. Req wx fcst and current wx obsn using ICAO id KQTO. Remote wx brief avbl for mil ops H24 Sun-Sat at CENTAF Ops Wx Squadron, DSN 312-965-0905; C 1-803-895-0905.) **RWY** - Ltd TWY and RWY signage.

COMMUNICATIONS - APP - 131.9 255.8 304.9 (304.9 final) **TWR** - 119.875 368.4

GND - 128.75 301.125 **COMD POST** - 331.9 **METRO** - 33.6 131.85 **SOF** - 126.75

NAVAIDS - BALAD VORTACW - T 114.600 BLD CH 93 N33°56.15' E44°22.08' At Flt. 157/(A)4°00.0'E VOR MP 0001-0200Z++ Wed. TACAN MP 0400-0600Z++ Wed unless IFR.

ILS/RADAR - ILS 14, 32 **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA. ASR MP 2200-0000Z++ Tue-Sat, 2200-0200Z++ Sun, 0200-0400Z++ Mon, unless IFR. PAR MP 0000-0200Z++ Tue-Sat, 0200-0400Z++ Sun, 2200-0200Z++ Mon, unless IFR. **IFF** - MP 0400-0600Z++ Wed unless IFR.

BALATON, (SARMELLEK) HU **LHSM** CIV N46°41.18' E17°09.54' 408 UTC+1(+2DT)

H-4E, L-10F

RWY-16 L9A,50 (8202x197 CON PCN 60 R/B/X/T)

RWY-17R (3100x212 GRS)

L9A,50 **RWY-34**

RWY-35L

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0800-2000Z++ Mon, Wed, Thu, Fri, 0800-2200Z++ Tue, 0800-0000Z++ Sat, 0600-2000Z++ Sun **RSTD** - Rwy 17R-35L unuse. **CSTMS/AG/IMG** - Avbl PPR 24 hrs.

COMMUNICATIONS - TWR - Opr 0800-2200Z++ Tue, 0800-2000Z++ Thu, 0800-0000Z++ Sat 127.6 **INFO** - Opr 0800-2000Z++ Mon, Wed, Fri, 0600-2000Z++ Sun 127.6 135.7

NAVAIDS - SARMELLEK NDB - HW 428.000 SME N46°39.95' E17°10.01' 345° 1.3 NM to Flt. Unk/2°55.0'E

BALDONNEL, EI See CASEMENT

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BALE MULHOUSE, (EUROAIRPORT) FR **LFSB** CIV N47°35.37' E7°31.79' 885

UTC+1(+2DT) **H-7C, L-6G**

RWY-08 (5969x197 CON PCN 56 R/B/W/T)

L7,50 **RWY-26**

RWY-16 L3,4,5,9,10

(12795x197 CON PCN 64 R/B/W/T)

←5247
L4,9,50 **RWY-34**

SERVICE - AOE **LGT** - PAPI Rwy 26 MEHT 29'. Rwy 34 GS 3.5° MEHT 75'. **FUEL** - (NC-100LL, A1) Apvl rqr btn 2200-0400Z++ **OIL** - O-117-123

REMARKS - **RSTD** - Tkof/ldg proh btn 2100-0500Z++. Rwy 16/34 clsd btn 2330-0400Z++ Mon-Sat. **CAUTION** - WIP along first 5020ft Rwy 16 UFN.

COMMUNICATIONS - **ATIS** - 127.875 **APP** - (R) (V) 118.575 119.35 121.25 118.575 121.25 On instr to FL100. **TWR** - 118.3 **GND** - 121.6 **PREFLIGHT** - 120.5 **INFO** - 121.25

NAVAIDS - **BALE MULHOUSE VORW-DME** - HA 117.450 BLM CH 121(Y) (040/25)

N47°37.97' E7°29.97' 155° 2.9 NM to Fld. 886/(A)0°00.0'E **BALE MULHOUSE NDB** - MHW 353.000 BN N47°39.70' E7°28.74' 155° 4.8 NM to Fld. Unk/0°33.6'E **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 155° LCZR MH 111.55 GS 3°

BALICE, PL **EPKK** MIL/CIV N50°04.66' E19°47.09' 791 UTC+1(+2DT) **H8G-6J, L-22F**

RWY-07 L4,5,38,47 (8366x197 CON PCN 52 R/B/W/T)

L2,3,4,5,11,47 **RWY-25**

←7582

SERVICE - AOE **FUEL** - (NC-100LL, A1)

REMARKS - **RSTD** - Rwy 07 clsd for ldg SS-SR.

COMMUNICATIONS - **ATIS** - 126.125 **KRAKOW APP** - Opr 0400-2000Z++ 121.075 **KRAKOW DIRECTOR** - 0400-2000Z++ 123.8 **KRAKOW TWR** - 123.25 **KRAKOW DELIVERY** - 118.1

NAVAIDS - **KRAKOW NDB** - HHW 353.000 KRW N50°05.74' E19°54.77' 258° 5.1 NM to Fld. Unk/3°47.8'E

ILS/RADAR - **ILS**

BALIKESIR, TU **LTBF** MIL N39°37.16' E27°55.56' 340 UTC+2(+3DT) **H-15E, L-15A**

(B) **RWY-18** L5,50

(9810x144 ASP PCN 65 R/B/W/T)

L5,33,50 **RWY-36**

←NET BEFAB (150' OVRN) 500S(B) (1254') 500S(B) (1310') NET BEFAB (190' OVRN) →

SERVICE - **JASU** - 1(A-3A) 1(MA-1A) 2(MD-3A) 1(MD-3) **FUEL** - (N/C J4) **FLUID** - LPOX LOX **OIL** - O-128-132 **TRAN ALERT** - Alert svc avbl.

REMARKS - Opr 0630-1530Z++ Mon-Fri. **MISC** - NOTAMS avbl only at AOE listed in FCG.

COMMUNICATIONS - **INFO** - 233.6 123.925 **APP** - (E) 122.1 362.3 **TWR** - 122.1 257.8 **GND** - 251.25

NAVAIDS - **BALIKESIR TACAN** - T BRI CH 43 N39°36.04' E27°55.77' 348° 1.1 NM to Fld. 331/3°57.8'E

ILS/RADAR - ■ **RADAR** - GCA 30 min PPR exc emerg acft.

BALTIM, EG **VORW-DME** - HA 116.900 BLT CH 116 N31°31.73' E31°07.35'

10/(A)3°00.0'E **H-10H-13A,16F, L-16E**

BAM, IR **OIKM** CIV N29°05.03' E58°27.02' 3084 UTC+3:30 **H-13D, L-18G**

RWY-12 L5,12,50

(11630x148 ASP PCN 40 F/B/Y/T)

L5,12,50 **RWY-30**

11532→

←11204

SERVICE - **FUEL** - Opr O/R. (NC-A1)

REMARKS - Opr SR-SS. **RSTD** - 24 hr PPR.

COMMUNICATIONS - **INFO** - Opr O/R. 124.15 121.9

NAVAIDS - **BAM VORW-DME** - HA 114.900 BAM CH 96 N29°04.65' E58°27.45' At Fld. 3084/(A)2°0.0'E **BAM NDB** - MHW 379.000 BAM N29°04.67' E58°27.26' At Fld. 3084/1°55.0'E

BAMAKO, ML See SENOU

B-52 AIRPORT/FACILITY DIRECTORY

BAMBERG AAF, (BAMBERG BREITENAU) GM **ETEJ** A N49°55.23' E10°54.85'
(32UPA3740931541) 823 UTC+1(+2DT) **VFR, L-6H**

(B) **RWY-04** *L7 (3773x50 ASP PCN 18 F/D/W/T)
3230→

*L7 **RWY-22**
←3175

SERVICE - LGT - 24 hr PPR for rwy lgt on aft duty hr and wkend.

REMARKS - Unattended, Range Ctl hr 0700-1500Z++. **RSTD** - PPR, ctc 279th BSB Range Ctl at DSN 469-7411/7719 or fax DSN 469-8747. Acft may not shutdown on VIP pad. Tran acft and all UH-60 or larger acft prk S of VIP pad along yellow tires. Arpt clsd to USA F/W acft.

CAUTION - Unmrk wires 150' AGL, 1000' fr apch end Rwy 22. Extv gldr and civ flt on wkends and GM hol with ocnl gldr and civ flt occurring dur nml duty hr. **TFC PAT** - NW 1800'. **NS ABTMT** - No ovft city of Gartenstadt 0.5 NM SE. No ovft Reese rng 2 NM SE. No ovft of town of Stegaurch 4 NM SW. Avoid ovft of all built up areas vcnty of arpt. No ovft of town of Lichteneiche 0.5 NM NE.

COMMUNICATIONS - § **A/G RDO** - 37.4 **INFO** - (For use entering tfc, wkend only)
120.175

BANAK, (LAKSELV BANAK) NO **ENNA** MIL/CIV N70°04.13' E24°58.41' 25 UTC+1(+2DT)
H-1C, L-1D

RWY-17 L5,24,50 (9147x148 ASP PCN 70 F/A/W/U)
8845→

L5,7,23,50 **RWY-35**
←8845

SERVICE - LGT - PAPI Rwy 35 GS 3.5°. **FUEL** - Avbl 0645-1530Z++, 1845-2130Z++ Mon-Fri; 0645-1300Z++ Sat; 1430-1530Z++, 1845-2130Z++ Sun. OT O/R. (NC-100LL, A1) **FLUID** - De-ice (avbl 0430-2020Z++ Mon-Fri, 0430-1255Z++ Sat, 1200-2020Z++ Sun).

REMARKS - Opr 0530-2215Z++ Mon-Fri, 0530-1200Z++ Sat, 1100-2200Z++ Sun. OT 24hr O/R. **RSTD** - PPR Diplomatic clnc req to COMAIRNORTH. **CAUTION** - Windshear/eddies may occur on short final, especially Rwy 17. Severe turb down to 200' when W wind abv 40 Kt. **RWY** - Rwy 17 TORA 9337'. Rwy 35 TORA 8845', LDA 8543'.

COMMUNICATIONS - TWR - (V) 118.05 118.9 122.1 280.35

NAVAIDS - BANAK VORW-DME - HA 114.400 BNA CH 91 N70°10.58' E24°56.90' 166° 6.5 NM to Fld. 103/(A)7°00.0'E **BANAK TACAN** - HA BNN CH 47 N70°03.93' E24°58.19' At Fld. 42/(A)7°0.0'E **BANAK NDB** - HW 345.000 BNR N70°04.46' E24°58.77' At Fld. 42/9°55.0'E **VHF/UHF/DF**

ILS/RADAR - ➔**ILS** - BRG 348° LCZR BA 108.3 GS 3.5° LCTR BA 275 ➔**LOC-DME** - BRG 168° LCZR BK 109.35 CH 30(Y)

BANDAR ABBASS INTL, IR **OIKB** MIL/CIV N27°13.10' E56°22.67' 22 UTC+3:30
H-13D, L-18G

(B) **RWY-03L** (11341x98 ASP PCN 55 F/A/X/T)
RWY-03R L5,12,50 (12008x148 ASP L1011)

RWY-21R
L5,12,50 **RWY-21L**

HOOK UNK(B) (2675') MA-1 UNK(B) (205' OVRN)

SERVICE - LGT - PAPI Rwy 3R GS 2.97° Rwy 21L GS 2.96° **JASU** - 4(MD-3) **FUEL** - (NC-100LL, A1, J4)

REMARKS - **RSTD** - Rwy 03L/21R is non-inst, usable during VMC and daylight. Simultaneous opr parl rwy proh. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - ATIS - Opr 0300-2000Z. 128.65 **APP - (V)** 124.2 289.2 353.8
TWR - (U) 118.1 121.9 257.8

NAVAIDS - BANDAR ABBASS VORW-DME - HA 117.200 BND CH 119 N27°11.82' E56°22.01' 023° 1.4 NM to Fld. 16/(A)1°00.0'E **BANDAR ABBASS TACAN** - HA BND CH 78 N27°13.02' E56°22.86' At Fld. 16/1°44.7'E **BANDAR ABBASS NDB** - HHW 250.000 BND N27°12.98' E56°21.60' 081° 1.0 NM to Fld. 49/1°44.8'E **UHF/DF**
BND VOR/DME unusue byd 040°-060° blw 6000 ft AMSL
25NM 060°-070° blw 3000 ft AMSL
070°-100° blw 2500 ft AMSL
210°-260° blw 2000 ft AMSL
260°-280° blw 3000 ft AMSL
280°-310° blw 7000 ft AMSL
310°-350° blw 9500 ft AMSL
350°-040° blw 8000 ft AMSL

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BND VOR/DME unuse byd
40NM

020°-050° blw 10000 ft AMSL
050°-100° blw 1000 ft AMSL
210°-260° blw 2000 ft AMSL
260°-280° blw 6000 ft AMSL
280°-300° blw 7000 ft AMSL
300°-310° blw 10000 ft AMSL
310°-320° blw 13000 ft AMSL
320°-340° blw 17000 ft AMSL
340°-020° blw 13000 ft AMSL

ILS/RADAR - ➔ILS-DME - BRG 206° LCZR IBND 109.9 CH36 GS 2.98°

BANDAR LENGEH, IR **OIBL** CIV N26°31.92' E54°49.49' 67 UTC+3:30
H-13D, L-18G

RWY-08 (8203x148 ASP PCN 40 F/B/X/T)

RWY-26

REMARKS - Opr SR-SS. **CAUTION** - Animal haz.

COMMUNICATIONS - INFO - 121.7 122.55

NAVAIDS - BANDAR LENGEH VORW-DME - HA 114.800 LEN CH 95 N26°32.17'

E54°51.07' 259° 1.4 NM to Fld. 62/(A)1°0.0'E **BANDAR LENGEH NDB** - HHW 408.000
LEN N26°32.26' E54°51.67' 259° 2.0 NM to Fld. 15/1°46.0'E
LEN VOR-DME unuse byd 40
NM

060°-040° blw 5000'
040°-360° blw 7500'
360°-340° blw 9000'
340°-310° blw 7000'
310°-280° blw 6000'
280°-260° blw 4000'

BANDIRMA, TU **LTBG** MIL/CIV N40°19.08' E27°58.66' 170 UTC+2(+3DT)
H-4H-15E, L-15A

(B) **RWY-18** L5,50 (9865x147 ASP) L5,33,50 **RWY-36**

←NET BEFAB (188' OVRN) 500S(B) (1280') 500S(B) (4815')

500S(B) (1305') NET BEFAB (130' OVRN) →

SERVICE - JASU - 1(A1) 5(A-3A) 1(C-22) 2(MA-1A) 1(MD-3) 3(M32A-10) **FUEL** - (N/C 115, J4) **FLUID** - LPOX LOX **OIL** - O-128-148

REMARKS - MISC - NOTAMS avbl only at AOE listed in FCG.

COMMUNICATIONS - INFO - 389.2 128.35 **APP - (E)** 122.1 362.3 **TWR** - 122.1 257.8
GND - 251.25 121.95

NAVAIDS - BANDIRMA TACAN - T BDM CH 47 N40°18.08' E27°58.70' 355° 1.0 NM to Fld.
167/4°03.2'E

BANEASA, RO See AUREL VLAICU

BANIAS, SY **NDB** - HHW 304.000 BAN N35°13.70' E35°57.48' 354° 10.4 NM
to BASSEL AL ASSAD INTL. Unk/4°06.0'E **H-13A-16G, L-15B**

BANJA LUKA, BK **LQBK** MIL/CIV N44°56.49' E17°17.85' 400 UTC+1(+2DT)
H-4E, L-10F

RWY-17 L5,12,43 (8213x148 ASP)

L5,13,43 **RWY-35**

SERVICE - FUEL - (NC-J)

REMARKS - Opr 0700-2000Z++. OT PPR.

COMMUNICATIONS - APP - 118.95 **TWR** - 118.95

NAVAIDS - BANJA LUKA VORW-DME - T 115.900 LAK CH 106 N44°56.50' E17°17.75'
At Fld. 400/2°49.2'E **BANJA LUKA NDB** - MHW 340.000 BLK N45°05.72' E17°15.48'
167° 9.4 NM to Fld. Unk/2°49.4'E

ILS/RADAR - ➔ILS - BRG 168° LCZR BAL 108.7 GS 3°

BANJUL INTL, GA **GBYD** CIV N13°20.28' W16°39.13' 95 UTC 0 **H-11B, L-19A**
(B) **RWY-14** L5,12,50 (11811x148 ASP B747) L5,11,50 **RWY-32**

SERVICE - AOE **FUEL** - A1 (Shell Marketing Co)

REMARKS - CAUTION - Birds in the vicinity.

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COMMUNICATIONS - APP - 121.3 TWR - (V) 118.3 GND - 121.9

NAVAIDS - BANJUL VORW-DME - HA 112.900 BJ CH 76 N13°20.29' W16°39.33' At Fld.
95/8°46.9'W **BANJUL NDB - HHW 256.000 ND N13°20.72' W16°39.45' At Fld.**
Unk/8°46.8'W

ILS/RADAR - ➔ILS - BRG 321° LCZR IYM 109.5 GS 3°

BARAHONA, SP VORW-DME - HA 112.800 BAN CH 75 N41°19.41' W2°37.79'

3717/(A)3°00.0'W

BAN VORW-DME unuse

024° byd 60 NM blw 7500'

181° byd 45 NM blw 5500'

H-16I, L-11B

BARAJAS, (MADRID BARAJAS) SP LEMD CIV N40°29.61' W3°34.01' 2000

UTC+1(+2DT) **H-3A-16I, L-11B**

RWY-15L L4,5 (11483x197 ASP PCN 91 F/B/W/T) L2,3,4,5,10,50 **RWY-33R**

←9843

RWY-15R L4,5 (13451x197 ASP PCN 91 F/B/W/T) L2,3,4,5,10,50 **RWY-33L**

←10006

RWY-18L L2,3,4,5,10,50 (11483x197 ASP PCN 80 F/B/W/U) L4,5 **RWY-36R**

9843→

RWY-18R L2,3,4,5,10,50 (14272x197 ASP PCN 87 F/C/W/U) L4,5 **RWY-36L**

11040→

SERVICE - AOE LGT - PAPI Rwy 36R GS 3.1°. FUEL - A1 (AVCARD, fone C34-91-337-6144)

OIL - 0-125

REMARKS - RSTD - OFFL BUS ONLY. NORDO and copters proh. Rstd to IFR.

CSTMS/IMG - Avbl. MISC - AF acft use Torrejon. Not to be used as wx altn.

COMMUNICATIONS - ATIS - 118.25 130.85 (118.25 ARR) (130.85 DEP)

MADRID APP - (R) 127.5 124.025 242.05 (242.05 (MIL) TORREJON) TWR - (V) 118.15

118.075 120.15 118.65 120.65 118.975 (120.15 BACKUP) **GND - 121.85 121.7 121.975**

121.625 123.15 (121.85 123.15 123.25 NORTH)(121.7 121.625 123.0 SOUTH)

CLNC DEL - 130.075 130.035 (130.035 CLNC DEL WEST) FIRE - 122.975

NAVAIDS - BARAJAS DVORW-DME - HA 116.450 BRA CH 111(Y) N40°28.15' W3°33.45'

346° 1.5 NM to Fld. 1962/2°13.5'W **S.S. REYES VORW-DME - T 117.850 SSY CH 125(Y)**

N40°32.79' W3°34.51' 175° 3.2 NM to Fld. 2012/2°14.2'W **PERALES DVORW-DME - HA**

116.950 PDT CH 116(Y) N40°15.17' W3°20.88' 328° 17.6 NM to Fld. 2513/2°08.8'W

ALCOBENDAS NDB - MHW 417.000 ACD N40°35.14' W3°40.59' 140° 7.5 NM to Fld.

Unk/2°16.2'W

ILS/RADAR - ILS-DME - SEE TERMINAL FLIP FOR ILS-DME 33R DATA . ➔ILS-DME 18R -

BRG 183° LCZR IMR 110.7 CH 44 GS 3°

BARBEREY, FR LFQB CIV N48°19.33' E4°01.00' 388 UTC+1(+2DT) H-6G, L-6F-7D

RWY-05 (2559x328 GRS) **RWY-23**

2133→

RWY-18L L1,5,9,27,50 (5413x98 ASP S51 T78 ST100 TT148) L1,5,9,50 **RWY-36**

←5036

RWY-18R (2953x328 GRS) **RWY-36L**

SERVICE - LGT - PAPI Rwy 18 GS 3.5° MEHT 56'. FUEL - Avbl 0800-1200Z, 1300-1630Z

(0700-1100Z, 1200-1630Z sum). OT PPR prior to 1600Z++ fone C03.25.71.79.00.

(NC-100LL, A1)

REMARKS - Opr 0800-1200Z, 1300-1700Z (0700-1100Z, 1200-1700Z sum). OT PPR prior to

1500Z++ Mon-Fri. PPR prior to 1500Z++ prev work day for Sat, Sun and hol. Fone

C03.25.71.79.00. **CAUTION - Pilot trng, aerobatics and glldr act. CSTMS/AG/IMG -**

CSTMS avail 1hr PN, fone C03 25 74 41 40.

COMMUNICATIONS - SEINE APP - 121.65 118.05 (118.05 abv 2000 MSL)

TROYES INFO - 125.35

NAVAIDS - TROYES VORW - HA 116.000 TRO (060/50) N48°15.07' E3°57.79' 029° 4.8 NM

to Fld. 859/(A)2°0.0'W **VHF/DF**

ILS/RADAR - ➔ILS-DME - BRG 175° LCZR TY 111.15 CH 48(Y) GS 3.5° LCTR TY 320.0

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BARCELONA ACC/FIC/UACC, SP **LECB** CIV **CON - (R)(E) 119.45** 119.45
CTR Sctr - 135.35 135.35 **284.1** 284.1 **XAL Sctr - 133.025** 133.025 **284.1** 284.1 **VRN**
Sctr - 133.075 133.075 **225.8** 225.8 **VRS Sctr - 134.45** 134.45 **225.8** 225.8 **LEV1 -**
126.65 126.65 **285.1** 285.1 **LEV2 - 124.45** 124.45 **285.1** 285.1 **LRDN - 119.45** 119.45
362.3 362.3 **LRDS - 132.575** 132.575 **362.3** 362.3 **MEDN Sctr - 132.65** 132.65 **225.8**
225.8 **MEDS Sctr - 135.55** 135.55 **225.8** 225.8 **WA1 Sctr - 134.675** **370.15** **WA2 Sctr -**
132.35 **310.0** **WA3 Sctr - 126.85** **370.15** **MIL - 137.125** 137.125 **137.2** 137.2 **312.525**
312.525 **386.95** 386.95 **397.675** 397.675 **H-7A, B-9B-15A-161, L-11B, C, D-13C, D**

BARCELONA, SP **LEBL** CIV **N41°17.82' E2°04.71' 12 UTC+1(+2DT) H-15A, L-11C**
RWY-02 L5,20,50 (8333x148 ASP PCN 86 F/A/W/T) **L5 RWY-20**
8202→
RWY-07L L2,3,4,5,10,50 (11654x148 ASP PCN 86 F/A/W/T) **L2,3,4,5,10,50 RWY-25R**
11359→
RWY-07R L2,3,4,5,10,50 (8727x197 ASP PCN 76 F/C/W/T) **L2,3,4,5,10,50 RWY-25L**

SERVICE - LGT - Rwy 25R apch lgt len reduced to 2263' til 21 Jun 06 est. **FUEL** - A1
(AVCARD, fone C34-91-337-6144) (NC-100LL) **OIL** - O-125-128

REMARKS - RSTD - NORDO proh. Acft wo RNAV req to notify CLNC DEL on initial call. **NS**
ABTMT - Dep proh fr Rwy 02, 20 and 25 2200-0600Z++. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - ATIS - 118.65 121.975 (ARR 118.65) (DEP 121.975) **APP - (R) (E)**
119.1 124.7 125.25 126.5 118.05 127.7 (362.3 Mil) **TWR - (E)** 118.1 118.325 257.8
GND - 121.65 121.85 121.7 (EAST 121.85)(WEST 121.7) **CLNC DEL** - 121.8

NAVAIDS - EL PRAT DVORW-DME - HA 114.300 PRA CH 90 N41°16.99' E2°04.91' At Fld.
43°0'36.7"W **BARCELONA DVORW-DME** - HA 116.700 BCN CH 114 N41°18.43'
E2°06.47' 246° 1.5 NM to Fld. 23/0°36.3'W **SABADELL DVORW-DME** - HA 112.000 SLL
CH 57 N41°31.19' E2°06.59' 187° 13.4 NM to Fld. 499/0°36.8'W **VILLANUEVA NDB** -
HHW 380.000 VNV N41°12.64' E1°42.35' 074° 17.6 NM to Fld. Unk/0°42.6'W
BCN DVORW-DME unuse 260°-278° blw 4000'
PRA DVORW-DME unuse 255°-030° blw 3000'
SLL DVORW-DME unuse 060°-100° all alt
170°-190° all alt

ILS/RADAR - ILS-DME - BRG 067° LCZR QAA 110.3 CH 40 LOM QA 338 GS 3°. **ILS-DME**
- BRG 247° LCZR BCA 109.5 CH 32 GS 3°. **ILS-DME** - BRG 067° LCZR BLE 110.75 CH 44Y
GS 3°. **ILS-DME** - BRG 247° LCZR BLW 111.50 CH 52 GS 3°.

BARCIAL DEL BARCO, SP **NDB** - MHW 292.000 BRB N41°55.93' W5°40.01'
Unk/3°01.8'W Opr 0830-1330Z, 1430-1800Z exc Sat and hol. **H-3A, L-11B**

BARDUFOSS, NO **ENDU** MIL/CIV **N69°03.35' E18°32.42' 252 UTC+1(+2DT)**
H-1C, L-1C, AACDTD
RWY-10 L2,5,23,50,55 (8015x148 ASP PCN 60 F/C/X/T) **L2,5,22,50,55 RWY-28**
6135→

SERVICE - AOE LGT - PAPI Rwy 10 GS 4.0°, PAPI Rwy 28 GS 3.4°. **JASU** - 1(MD-3)
2(AC-35) **FUEL** - Avbl 0500-1900Z++ Mon-Fri, 0500-1100Z++ Sat, 1100-1900Z++ Sun.
(NC-100LL, J8) **FLUID** - De-Ice

REMARKS - Opr 0530-2300Z++ Mon-Fri, 0530-1345Z++ Sat, 0900-2359Z++ Sun. PPR.
Diplomatic clnc rqr, req to COMAIRNORTH. **RSTD** - PPR for VFR on Sat and Sun to
C47-7789-6722. PPR to NORDO. Twy J clsd fr F/W opr.

COMMUNICATIONS - ATIS - 129.725 **APP** - Opr 0700-2040Z++ Mon-Fri, 0900-1600Z++
Sat, 1100-1800Z++ Sun. **(R)** 118.8 125.85X 275.3 397.375X **TWR - (R) (E)** 118.1 122.1
275.3 280.7 397.375

NAVAIDS - BARDUFOSS DVORW-DME - HA 114.200 BDF CH 89 N69°03.89' E18°27.97'
105° 1.7 NM to Fld. 598/(A)4°00.0'E **BARDUFOSS TACAN** - HA BAR CH 81 N69°02.74'
E18°35.18' 298° 1.2 NM to Fld. 447/(A)4°00.0'E **FOSSMO NDB/LMM** - HW 371.000 SM
N69°02.90' E18°36.01' 284° 1.4 NM to Fld. 172/5°56.0'E **SORREISA NDB/LOM** - MHW
338.000 SA N69°06.16' E18°11.67' 111° 8.0 NM to Fld. 320/5°42.3'E **TILLER NDB** - HHW
350.000 TIL N68°59.78' E19°05.78' 282° 12.5 NM to Fld. 340/6°13.0'E **SENJA NDB** - HW
414.000 SJA N69°09.68' E17°48.95' 108° 16.8 NM to Fld. Unk/5°29.4'E **VHF/UHF/DF**

ILS/RADAR - ILS Use of ILS 28 rstd to wi 22 NM fr thld and wi 15°N and 10°S of lczz cntrline.

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BARI, (PALESE) IT **LIBD** CIV N41°08.33' E16°45.64' 177 UTC+1(+2DT) **H-15C, L-12F**
(B) **RWY-07** L5,20,50 (8005x148 ASP PCN 120 F/A/W/T) L5,12,50 **RWY-25**
RWY-12 (CLSD 5512x164 ASP) **RWY-30**

SERVICE - AOE **LGT** - Bdry lgt avbl. PAPI RWY 07/25 MEHT 49'. **FUEL** - A1 (Eni S.p.A. avbl 0500-2300Z++, OT 2 hr PN \$100 ea occurrence, C+39-080-538-3306). (NC A1, 0500-2200Z++, OT 6 hr PN). **FLUID** - Svc avbl, fluid type unk **OIL** - O-117-123-128-148-149

REMARKS - **RSTD** - Ldg forbidden for acft fr extracommunity countries transporting live animals. **CAUTION** - Use twy cntrlr/min speed twy A, B, and parl btn A and B due to slope. Lo level wind shear possible. **NS ABTMT** - APU not auth til 60 min before ETD or 20 min aft ATA. **MISC** - Prk opr for all acft exc based are mandatory by lcl handling agent due to safety.

COMMUNICATIONS - **APP** - (V) 119.5 122.1 **TWR** - (V) 118.3 122.1 257.8

NAVAIDS - **BARI TVORW-DME** - HA 116.400 BAR CH 111 N41°08.66' E16°46.59' At Fld.
108/(A)1°00.0'E MP 0700-0900Z++ 1st Thu **VHF/DF**
BAR VOR-DME MRA 40 NM 120°-300° 7000'
300°-120° 4000'
BAR VOR-DME unuse 120°-300° byd 40 NM blw 7000'
300°-120° byd 40 NM blw 4000'

ILS/RADAR - **ILS**. Rwy 07 ILS-LLZ coverage reduced to 18 NM.

BARKARBY, (STOCKHOLM BARKARBY) SW **ESKB** CIV N59°25.12' E17°53.44' 50
UTC+1(+2DT) **L-2G**
RWY-06 L7 (3248x131 ASP) L7 **RWY-24**
SERVICE - **FUEL** - (NC-100LL)
REMARKS - **CAUTION** - Model acft act.
COMMUNICATIONS - **RDO** - 123.55

BARKSTON HEATH, UK **EGYE** MIL N52°57.73' W0°33.70' 367 UTC 0(+1DT)
H-5B-6F, L-3C-4G
(B) **RWY-06** L7,50 (6007x151 ASP) L5,24,50 **RWY-24**
5508→
RWY-11 L7,9,50 (4206x151 ASP) L7,9,50 **RWY-29**
RWY-18 (2657x75 ASP) **RWY-36**

SERVICE - **LGT** - ABn, red coded BA. Red unidirectional lgt at displ thld.

REMARKS - Opr 0730-1630Z++ Mon and Fri, 0730-1700Z++ Tue-Thu. **RSTD** - PPR thru RAF CRANWELL. Rpt LDA Rwy 06 5502', Rwy 24 6001'. **RWY** - Rwy 06/24 NA to visiting acft.

COMMUNICATIONS - **ATIS** - 293.45 **CRANWELL APP** - (U) 280.775 **TWR** - 120.425
281.225 **GND** - 389.45 **DEP** - 119.375 355.95

ILS/RADAR - **RADAR** - ASR - Call Director - 382.6 PAR - Call Talkdown - 234.4

BARKWAY, UK **VORW-DME** - HA 116.250 BKY CH 109(Y) (040/25) N51°59.38' E0°03.72'
137° 9.0 NM to STANSTED. 486/(A)4°00.0'W **H-6F, L-4G**

BARMEN, GM **DVORTACW** - HA 113.600 BAM CH 83 (040/50) N51°19.67' E7°10.62'
879/(A)0°00.0'E (60/50 292°-338°; 40/50 338°-292°) **H-6H, L-5B**

BARNA, HR **VORW-DME** - HA 117.400 VBA CH 121 N45°44.87' E17°08.80'
545/(A)1°00.0'E **H-4E, L-10F**

BARTH, GM **EDBH** CIV N54°20.25' E12°41.98' 23 UTC+1(+2DT) **L-2F**
(B) **RWY-09** L5,50 (3937x98 ASP PCN 30 F/A/X/T) L5,9,34,50 **RWY-27**
RWY-09L (2953x131 GRS) **RWY-27R**

SERVICE - **FUEL** - (NC-100LL, A1) Refuelling not avbl with Carnet. EC and credit cards accepted.

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REMARKS - Opr 0800Z-SS or 1700Z, SS-1900Z O/R prior to 1400Z business day (0700-1700Z sum). O/T PPR. **RSTD** - Acft ovr AUW 12.5 PPR (req must be made NLT 1600Z++ of preceding workday). IFR OPS not auth dur ngttime hr. **NS ABTMT** - Avoid ovft of village of Barth. **CSTMS/AG/IMG** - CSTMS, IMG avbl O/R 2 hr ntc fone C(038231) 2503.

COMMUNICATIONS - **BERLIN INFO** - 132.65 251.375 **BERLIN RADAR** - (R) (E) 126.425 **INFO** - 118.075 25 NM to 4000 ft AGL.

NAVAIDS - **BARTH DME** - T BHD CH 101 (025/10) N54°20.43' E12°42.59' At Fld. 45/1°59.6'E **BARTH NDB** - MHW 373.000 BTH N54°20.30' E12°41.17' At Fld. 45/1°59.2'E

BARYSIAI, (MESKUICIAI) LH **EYSB** CIV N56°04.23' E23°33.48' 270 UTC+2 **L-2H**
RWY-10 (3281x98 ASP) **RWY-28**

REMARKS - Opr O/R. **RSTD** - PPR fone C370-41 370 859.

COMMUNICATIONS - **INFO** - Opr HO 122.05

BASE AERIENNE 165, GM See TEGEL

BASHUR, IZ **ORBR** A N36°32.02' E44°20.39' 2079 UTC+3(+4DT) **H-13B, L-15D**
RWY-13 (7333x150 ASP PCN 12 F/C/W/T) **RWY-31**
4833→

REMARKS - **RSTD** - Daylt VFR only. **RWY** - PCN values are for ldg on Rwy 13 and dep on Rwy 31 only.

COMMUNICATIONS - **TWR** - 131.27

BASRAH INTL, IZ **ORMM** MIL/CIV N30°32.94' E47°39.73' 11 UTC+3(+4DT)
H-13C, L-18E
RWY-14L38 (13124x148 CON PCN 105 R/B/W/T) **L38 RWY-32**

SERVICE - AOE **FUEL** - Small quantites of J8 and A1 avbl by PPR only. Crews could carry round trip fuel.

REMARKS - **RSTD** - All non RAF acft are to apply for a PPR No fr BASRAH air ops 48 hr in advance of any intended movement. Acft with an issued PPR are expected to arr within 15 min of their allotted ldg time and to start within 15 min of their allotted dep time. Acft arr outside these limits may be subj to prk delays or refusal of perms to land. Civ acft opr are to be aware that they opr entirely at their own risk as force protection measures may not be provided. Ctc details for Basrah air ops - mil network 963-4109/4110. Mobile 07801 095874. E-Mail: BASRAHAIROPS@HOTMAIL.COM. Afld mgr C 011-965-911-4553

CAUTION - Extv R/W acft tfc. Unctl veh on afld. Demolition act .54 NM N of afld. Acft are to select posn lgts when taxing to and fr rwy. **TFC PAT** - All tfc pat SW of afld. F/W tfc pat alt 1500 ft AGL. Lgt acft tfc pat 1000 ft AGL. **RWY** - Ltd apch lgt aval.

COMMUNICATIONS - **APP** - 119.4 233.225 (123.1 240.1 final) **TWR** - 118.7 241.175
GND - 125.9 **OPS** - 132.7

NAVAIDS - **BASRAH VORW-DME** - HA 112.300 BSR CH 70 N30°31.54' E47°41.20' 315° 1.9 NM to Fld. 15/(A)3°0.0'E **BASRAH TACAN** - HA BAR CH 20 N30°32.93' E47°39.59' At Fld. 11/3°11.2'E

BASSEL AL ASSAD INTL, SY **OSLK** MIL/CIV N35°24.07' E35°56.92' 157
UTC+2(+3DT) **H-13A-16G, L-15B**
(B) **RWY-17L5,12,43,50** (9175x148 ASP PCN 51 F/D/X/T) **L5,50 RWY-35**
←8585

SERVICE - **FUEL** - A1

REMARKS - Opr HO.

COMMUNICATIONS - **APP** - 120.0 129.6 **TWR** - 118.1 121.9

NAVAIDS - **BASSEL AL ASSAD VORW-DME** - HA 114.800 LTK CH 95 N35°23.97' E35°57.04' At Fld. 193/4°07.4'E Opr HO. **BASSEL AL ASSAD NDB** - HHW 414.000 LTK N35°28.82' E35°56.54' 176° 4.8 NM to Fld. Unk/4°08.0'E **BANIAS NDB** - HHW 304.000 BAN N35°13.70' E35°57.48' 354° 10.4 NM to Fld. Unk/4°06.0'E

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BASSILLAC, FR **LFBX** CIV N45°11.88' E0°48.93' 328 UTC+1(+2DT) **H-7A, L-8F**
RWY-12 L5,9,50 (5741x98 ASP PCN 31 F/C/W/T) L5,9,20,50 **RWY-30**
4757→ ←5314
SERVICE - LGT - PAPI Rwy 12 GS 4.54°; Rwy 30 GS 3.4°. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0700-1100Z++, 1300-1600Z++ Mon-Fri. O/T PPR 48 hrs. **CSTMS/IMG** -
O/R 24 hr PN.
COMMUNICATIONS - AQUITAINE APP - Opr H24. **(R) (U)** 119.275
PERIGUEUX INFO - 118.775 **REMARKS**: Opr 0500-0900Z++, 2000-2130Z++ Mon-Fri;
0500-1100Z++, 1300-1900Z++ Sat; 0700-1100Z++, 1300-1900Z++ Sun and hol. OT 6hr
PPR.
ILS/RADAR - ➔**ILS** - BRG 296° LCZR PX 109.1 GS 3.4° LOM PX 389

BASTIA, FR **VORW-DME** - HA 114.150 BTA CH 88(Y) (080/50) N42°34.41' E9°28.49' 161°
1.3 NM to PORETTA. 36/(A)0°00.0'E **H-7C-15B, L-12E**

BATEEN, AE **VORW-DME** - HA 114.000 VAD CH 87 N24°25.65' E54°27.91' 60/1°27.4'E
VOR MP 0400-0900Z 2nd Mon, DME MP 0400-0900Z 1st Mon. **NDB** - HHW 392.000 AD
N24°25.66' E54°27.35' Unk/1°27.4'E MP 0400-0800Z 1st Sun. **H-14G, L-20H**

BATMAN, TU **LTCJ** MIL N37°55.74' E41°06.99' 1822 UTC+2(+3DT) **H-13B, L-15C**
(B) **RWY-02** L5,33,43 (10000x150 ASP) L5,43 **RWY-20**
500S(B) (1300') 500S(B) (1295') NET BEFAB (169' OVRN) →
SERVICE - JASU - AM32A-60A
REMARKS - Opr by NOTAM.
COMMUNICATIONS - DIYARBAKIR APP - Opr H24. 122.1 362.3 **TWR** - 122.1 257.8
GND - 121.95 251.25
NAVAIDS - BATMAN VORW-DME - HA 116.200 BAT CH 109 N37°56.25' E41°07.18' At Fld.
1818/4°42.9'E **BATMAN TACAN** - T BAT CH 53 N37°54.92' E41°06.33' 028° 1.0 NM
to Fld. 1818/4°42.6'E **BATMAN NDB** - MHW 470.000 BAT N37°56.25' E41°07.18' At Fld.
1818/4°42.9'E
ILS/RADAR - ■ **RADAR** - GCA 30 min PN.

BATSFJORD, NO **ENBS** CIV N70°36.02' E29°41.56' 490 UTC+1(+2DT) **L-1D**
RWY-03 L2,5,34,45 (3281x98 ASP PCN 20 F/A/X/U) L2,5,34,45 **RWY-21**
SERVICE - LGT - PVASI both rwy GS 3.3°. **FUEL** - Avbl 0930-2000Z++ Mon-Fri,
0930-1400Z++ Sat, 1600-2000Z++ Sun. (NC-A1)
REMARKS - CAUTION - Windshear possible on final to Rwy 21.
COMMUNICATIONS - INFO - Opr 0700-2100Z++ Mon-Fri, 0700-1230Z++ Sat,
1430-1630/1900-2000Z++ Sun. 123.4
NAVAIDS - BATSFJORD NDB - MHW 348.000 BX N70°36.43' E29°42.78' At Fld.
Unk/12°50.1'E
ILS/RADAR - ➔**LOC-DME** - BRG 213° LCZR BT 111.1 CH 48 LCTR BX 348. Lcزر use ltd to ±
10° of RCL.

BAUMHOLDER AAF, GM **ETEK** A N49°39.22' E7°18.50' (32ULA7790001500)
1450 UTC+1(+2DT) **VFR**
(B) **RWY-07** L53 (1887x53 ASP) L53 **RWY-25**
SERVICE - LGT - PPR.
REMARKS - Afdl unattended. **RSTD** - 24 hr PPR incling VIP helipad use, fr Baumholder Rng
CON at DSN 485-6509/7147 (prim) or DSN 485-7513/6934 or C06783-6-7513/6509. PPR fr
GM Rng CON for ldg Camp Aulenbach. **CAUTION** - Afdl is inside EDR-116. Flt outside
crdr (ACD)/inside EDR-116 requires RED LINE brief fr Baumholder Rng CON. Flt wi crdr up
to 2000' only. Pilots not complying with bdry/closures will be violated. Ck NOTAM dly for
crdr closures. Strassberg LUHL avbl when crdr and afdl clsd. Ctc Baumholder Rng CON
prior to entering crdr or rstd areas. If unable to ctc Baumholder Rng CON, ctc GM Rng
CON. For emerg acft ops ctc Community SDO, fone DSN 485-7533/6157. See VFR
ARR/DEP RTE EUROPE for crdr and pro. **MISC** - For VMC FPL, all down/off times thru
RAMSTEIN TWR 123.55 or FRANKFURT RADAR 129.675 258.85.

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COMMUNICATIONS - § **RNG CON** - 30.8 49.35 **GM RNG** - 54.5 60.85 (Squelch Off)

BAUTZEN, GM **EDAB** CIV N51°11.61' E14°31.18' 568 UTC+1(+2DT) **H-5E, 6J, L-5E**
(B) **RWY-07L5** (7218x164 CON PCN 44 R/B/W/T) **L5,23 RWY-25**
RWY-07L (3281x131 GRS) **RWY-25R**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0700Z-SS Mon-Fri; 0800Z Sat, Sun and hol. (0600-1800Z Mon-Fri; 0700-1800Z Sat, Sun and hol DT). OT PPR. **RSTD** - No flt trng in tfc pat 1100-0700Z++, Sun or hol. **CAUTION** - Extv PJE act. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/IMG** - Avbl O/R 3 hr before arr.

COMMUNICATIONS - MUNCHEN RADAR - (E) 125.625 **INFO** - 129.15 29NM to 4000 ft AGL.

NAVAIDS - BAUTZEN NDB - MHW 359.000 BA N51°11.93' E14°32.87' 251° 1.1 NM to Fld.
Unk/2°29.0'E **VHF/DF**
BA NDB unuse 180°-220°

BAYREUTH, (BINDLACHER BERG) GM **EDQD** CIV N49°59.07' E11°38.31' 1601
UTC+1(+2DT) **VFR, L-6I**
(B) **RWY-06** L2,5,9,35,50 (3550x98 ASP AUW12.6) **L5,9,50 RWY-24**
3393→

SERVICE - LGT - PAPI Rwy 06 MEHT 14', PAPI Rwy 24 MEHT 9'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1800Z++, OT PPR. **RSTD** - Estab ctc (with INFO when twr not opr) 5 min prior to compul REP. AUW22 PPR. PPR to use 358' W end or 528' E end ovrrn to avbl rwy as initial sfc for tkof or final sfc for ldg. PPR all IFR flt. PPR H24 for all trng and exer flt and VFR ngf flt, fone C06103-7076200. PPR Nurnberg Luftaufsichtsstelle fone C0911-3506-219/200. **CAUTION** - Possible vortices and downwash in front of slope apch Rwy 06. Pwr acct not allowed to tkof or land when yellow flg lgt on glldr winch is on. **TFC PAT** - 2500'. **CSTMS/IMG** - Avbl 1 hr O/R by fone. **MISC** - Fone C09208-8522.

COMMUNICATIONS - MUNCHEN INFO - 125.8 **MUENCHEN RADAR** - 118.975 344.5 **INFO** - 127.525 25NM to 4000ft AGL.

NAVAIDS - BAYREUTH VORW - L 110.600 BAY (040/25) N49°59.11' E11°38.20' At Fld. 1625/(A)1°00.0'E (50/25 225°-315°)(40/25 315°-225°) Origin displ 1312' at thld Rwy 06-24. **BAYREUTH DME** - T BAY CH 43 (025/10) N49°59.14' E11°38.28' At Fld. 1620/1°39.3'E **BAYREUTH NDB** - MHW 420.000 BAZ N49°57.41' E11°33.91' 058° 3.3 NM to Fld. Unk/1°38.1'E **VHF/DF**
BAY VOR unuse 050°-100° byd 20 NM blw 5000'

BEAS DE SEGURA, SP **LEBE** PVT N38°16.41' W2°56.64' 1788 UTC+1(+2DT) **L-11B**
RWY-09 (4757x98 ASP) **RWY-27**
RWY-15 (2460x98 ASP) **RWY-33**
REMARKS - Opr HX.
COMMUNICATIONS - TWR - 123.5

BEAUVAIS, FR **VORW** - HA 115.900 BVS (040/25) N49°26.18' E2°09.19' 306° 1.9 NM to TILLE. Unk/1°12.4'W **H-6F, L-7D**

BEAUVECHAIN, BE **EBBE** MIL N50°45.52' E4°46.10' 370 UTC+1(+2DT) **H-6G, L-5A**
RWY-04L L2,5,24,50 (10085x148 PEM PCN 93 F/C/W/T) **L2,5,24,50 RWY-22R**
7990→ **←7999**
←A40 500S-6 (640') BAK-14 BAK-9(B) (938') BAK-14 500S-8(TAG)(B) (4806')
BAK-14 BAK-9(B) (951') A40 500S-6 (653') →
RWY-04R L38,50 (8038x74 PEM PCN 24 F/B/W/T) **L38,50 RWY-22L**
7841→ **←7838**

SERVICE - AOE **LGT** - Rwy-04R apch lgt O/S. PAPI Rwy 04R, 04L, 22R - GS 2.75°. PAPI Rwy 22L - GS 3.2°. **A-GEAR** - The net barriers on the Rwy 04L-22R are normally opr on manual mode, auto mode is avbl O/R. **JASU** - Avbl **FUEL** - 100LL, J8 **FLUID** - SP PRESAIR LHOX LOX **OIL** - 0-148-156 SOAP

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REMARKS - Opr 0630-2200Z++ Mon, Tue (0630-1530 if no night flt); 0630-1530++ Wed, Thu, Fri; clsd Sat, Sun and hol. **RSTD** - PPR. **CAUTION** - Due to rdo prob crossing into EBBE CTA/TCA on VHF exclusively should use EBBE APP freq 122.825. ILS unsvc due to glide critical area infringement.

COMMUNICATIONS - **APP** - (R) (E) 122.825 122.5 282.1 **TWR** - (E) 122.1 130.725 231.5 **GND** - (V) 122.1 130.375 278.925 **GCA** - (R) (E) 123.3 234.875 378.525

NAVAIDS - **HULDENBERG DVOR-DME** - HA 117.550 HUL CH 122(Y) (040/25) N50°44.97' E4°38.50' 085° 4.9 NM to Fld. 335/(A)1°00.0'W (32/25 NNW thru NE)
BEAUVECHAIN TACAN - HA BBE CH 107 (100/25) N50°45.38' E4°46.08' At Fld. 370/0°28.1'W

BECHAR, AG **VORW-DME** - HA 113.900 BCR CH 86 (200/40) N31°41.10' W2°15.38' 2692/1°40.3'W **NDB** - HW 417.000 BC N31°38.00' W2°18.33' Unk/1°41.1'W
H-9B, L-13C

BEDA NO 1, LY **NDB** - MHW 365.000 XS N28°30.00' E19°00.00' Unk/1°59.8'E **L-19D**

BEEK, NL See MAASTRICHT

BEER-SHEBA, IS **VORW** - HA 114.300 BSA N31°17.17' E34°43.28' 853/(A)2°00.0'E
H-13A-16G, L-16F, T-2F

BEIHAN, YM **OYBN** CIV N14°46.92' E45°43.20' 3800 UTC+3 **H-14G, L-20G**
RWY-17 (5480x75 ASP) **RWY-35**
REMARKS - Opr SR-SS

BEIRUT ACC, LE **OLBB** (CIV) **CON** - 119.3 **H-13A-16G, L-16F**

BEIRUT INTL, LE See RAFIC HARIRI INTL

BEJA, (AIR BASE NR 11) PO **LPBJ** MIL N38°04.73' W7°55.94' 636 UTC 0(+1DT)
H-16H, L-11A
(B) **RWY-01L** L5,24,50 (11319x197 CON PCN 45 R/B/W/T) L5,24,50 **RWY-19R**
←44B-2D (16' OVRN) 44B-2D (16' OVRN) →
RWY-01R (9682x98 CON PCN 45 R/B/W/T) **RWY-19L**
←44B-2C (460') 44B-2C (460') →

SERVICE - AOE **LGT** - ABn flg green/W. PAPI Rwy 01L MEHT 60.5', PAPI Rwy 19R MEHT 58.7'. **A-GEAR** - AAE-44B-2D(B), AAE-44B-2C. Rwy 01R-19L A-G avbl O/R with 15 min PN through Beja Twr. **JASU** - (G-40) (GPE-160) (RST-180) **FUEL** - 100LL, J8 (aft 1200Z++ Fri O/R 24 hr thru LPBJZPX) **FLUID** - PRESAIR LOX **OIL** - O-123-148

REMARKS - Opr 0830-1715Z++ Mon-Fri. OT and hol 1hr PPR thru LPAMYWYB. **MISC** - NORDO will taxi only when marshalled by flw-me car. Ltd cross-svcg for acft-exp dly. Aprn 5 copter ldg areas for use SR-SS only.

COMMUNICATIONS - **APP** - Opr HO. (R) (E) 130.1 258.95 278.0 344.0 362.3
TWR - Opr HO. (E) 130.4 122.1 241.0 257.8 **GND** - Opr HO. 234.0

NAVAIDS - **BEJA VORTACW** - HA 115.800 BEJ CH 105 (200/60) N38°07.71' W7°55.60' 190° 3.0 NM to Fld. 620/(A)5°00.0'W **BEJA NDB/LOM** - HHW 376.000 BJA N38°09.56' W7°55.30' 190° 4.8 NM to Fld. Unk/3°31.6'W **UHF/DF**

ILS/RADAR - **ILS RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

BEJAIA, AG **NDB** - MHW 423.000 BJA N36°42.40' E5°01.48' 082° 2.2 NM to SOUMMAM. Unk/0°10.8'E **H-9C-15B, L-14E**

BEKES, HU **VORW-DME** - HA 115.800 BKS CH 105 N46°48.00' E21°04.43' 312/(A)3°00.0'E **NDB** - HHW 374.000 BKS N46°47.70' E21°04.68' Unk/3°42.7'E
H-4F, L-10G

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BELFAST, UK **VORW-DME** - HA 117.200 BEL CH 119 (050/50) N54°39.67' W6°13.80'
At ALDERGROVE. 194/(A)7°00.0'W (200/50 sctr 231° -351°) **H-2E-3D-5A, L-3B**

BELFAST CITY, UK See CITY

BELFAST INTL, UK See ALDERGROVE

BELGA RADAR, BE See SEMMERZAKE ATCC

BELLEGARDE, FR **LFBL** CIV N45°51.77' E1°10.77' 1300 UTC+1(+2DT) **H-7A, L-8F**
RWY-03 L4,5,9,50 (8202x148 ASP PCN 39 F/C/W/T) L2,3,4,5,9,10 **RWY-21**
←8006

SERVICE - AOE **FUEL** - Avbl 0500-2230Z++ Mon-Fri, 0500-2130Z++ Sat, 0730-2230Z++ Sun and hol; O/T for coml flt only PN 24 hr (PN 48 hr Sun). (NC-100LL, A1)

REMARKS - Opr 0500Z++ Mon-2200Z++ Sat; 0700-2200Z++ Sun and hol; O/T and for coml flt PPR before 1100Z++ prev bus day.

COMMUNICATIONS - **ATIS** - 128.075 **LIMOGES APP** - 119.2 **LIMOGES TWR** - 118.7
LIMOGES INFO - 124.05

NAVAIDS - **LIMOGES VORW-DME** - HA 114.500 LMG CH 92 (100/50) N45°48.96' E1°01.53'
069° 7.0 NM to Fld. 1375/(A)3°0.0'W (80/50 sctr 315° -060°) **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 215° LCZR LG 110.1 GS 3°

BELLEVUE, FR **LFQF** CIV N46°58.04' E4°15.63' 997 UTC+1(+2DT) **L-8H**
RWY-18 L53 (3350x98 ASP S23) L53 **RWY-36**
RWY-18L (2087x164 GRS) **RWY-36R**

SERVICE - **FUEL** - Opr HX (NC-100LL)

REMARKS - Opr SR-30 to SS+30.

BELMONT, FR **LFIF** CIV N43°49.40' E2°44.72' 1686 UTC+1(+2DT) **L-11C**
RWY-12 (4265x66 ASP S28) **RWY-30**
←3445

SERVICE - **FUEL** - (NC-100LL)

REMARKS - Opr SR-SS

BENBECULA, UK **EGPL** CIV N57°28.87' W7°21.77' 19 UTC 0(+1DT) **H-2E, L-3B**
RWY-06 L5,38,50 (6024x151 ASP PCN 26 F/B/X/T) L5,38,50 **RWY-24**
5630→
RWY-17 L53 (4003x151 ASP PCN 9 F/B/Y/T) L53 **RWY-35**

SERVICE - **FUEL** - Avbl by arng with Loganair Fuels, C01870-603147. (A1)

REMARKS - Opr 0900-1745Z++ Mon-Fri; 0930-1030Z++ Sat. OT by arng 48 hrs PN.

RSTD - All twy clsd exc btn Rwy 06 thld and trml apn. PPR 3 hr ntc. Rwy 17-35 rstd to 12,566 lb or less. Rpt LDA Rwy 24 5807' and Rwy 06 5577'. Non-precision apch 06, thld displ 394'.

COMMUNICATIONS - **ATIS** - 113.95 **REMARKS**: Opr 0715-1745Z++ Mon-Fri, 0715-1615Z++ Tue-Thu, 0715-0825 and 0945-1130Z++ Sat, 1245-1430Z++ Sun.
APP - 119.2 **REMARKS**: Opr 0715-1745Z++ Mon-Fri, 0715-1615Z++ Tue-Thu, 0715-0825 and 0945-1130Z++ Sat, 1245-1430Z++ Sun. **TWR** - 119.2 **REMARKS**: Opr 0715-1745Z++ Mon-Fri; 0715-1615Z++ Tue-Thu; 0715-0825Z++ Sat; 1245-1430Z++ Sun.

NAVAIDS - **BENBECULA VORW-DME** - HA 113.950 BEN CH 86(Y) (150/50) N57°28.68' W7°21.92' At Fld. 130/(A)8°00.0'W (200/50 in sctr 202° - 007°) **BENBECULA DME** - T BCL CH 18 N57°28.51' W7°22.22' At Fld. 48/6°40.3'W (Unlocks occur btn R-070 and R-080.) **VHF/DF**

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BEN GURION, IS **LLBG** CIV N32°00.68' E34°53.20' 135 UTC+2(+3DT)

H-13A-16G, L-16F, T-2F

(B) **RWY-03** L4,5 (5840x148 ASP PCN 84 F/B/Y/U) L4,5,50 **RWY-21**
RWY-08 L4,5,50 (11998x148 ASP PCN 94 F/B/Y/U) L2,3,4,5,9,11,50 **RWY-26**
RWY-12 L2,3,4,5,11,50 (10209x148 ASP PCN 78 F/C/X/T) L4,5,9,13,50 **RWY-30**
←10029
←9963

SERVICE - AOE **LGT** - PAPI Rwy 08, 12, 26, 30 lt and rgt side. **FUEL** - A1 (Air BP/PAZ Aviation Svc Ltd; Fone: C 972 3 977-4033) (NC-100LL)

REMARKS - **RSTD** - Rpt LDA Rwy 30 is 9664'. **NS ABTMT** - Arpt clsd for tkof 0000-0350Z++ due to NS ABTMT exc (1) Medical assistance and relief flt (2) IS Air Force flts (3) Other flts apv by CAA and/or Ben Gurion arpt duty mgr. For addn info see FLIP AP/2, Supplementary Arpt Info. **CSTMS/AG/IMG** - Avbl 24 hr dly exc on Yom Kippur (Sep or Oct)-USDAO will advs.

COMMUNICATIONS - **ATIS** - 132.5 **TMA** - (V) 119.5 **APP** - (R) (V) 132.05
TWR - (V) 118.3 **GND EAST** - 129.2 **GND WEST** - 118.05 **CLNC DEL** - 119.35
VOLMET - 126.8

NAVAIDS - **BEN GURION VORW-DME** - HA 113.500 BGN CH 82 N32°00.79' E34°52.51' At Fld. 100/(A)2°0.0'E **TEL AVIV NDB/LOM** - HW 331.000 LL N32°03.75' E34°46.25' 117° 6.7 NM to Fld. Unk/3°41.3'E **VHF/DF**

ILS/RADAR - **ILS ILS-DME** 12 ■ **RADAR** - Call RADAR - 120.5

BENI ABBES, AG **VORW-DME** - HA 115.300 BBS CH 100 N30°00.50' W2°13.00' 1713/1°40.0'W **NDB** - MHW 320.000 BBS N30°00.00' W2°13.00' Unk/1°42.5'W **H-9B-11C, L-13C**

BENI AMRANE, AG **NDB** - HW 353.000 BNA N36°39.07' E3°35.48' Unk/0°6.0'W **H-9C-15A, L-13D**

BENINA, LY **HLB** MIL/CIV N32°05.81' E20°16.17' 433 UTC+2 **H-10F, L-14G**
(B) **RWY-15L** L4,5,9,10,43,55 (11732x148 ASP 747) L4,5,9,10,43,55 **RWY-33R**
RWY-15R L7,9,10,50 (11731x148 ASP 1011) L7,9,10,50 **RWY-33L**

SERVICE - **FUEL** - (NC-100, A1)

COMMUNICATIONS - **BENGHAZI APP** - (V) 126.5 129.2 **ARR** - On test. 127.0
TWR - (V) 118.1 **GND** - 121.3 **DEP** - On test. 127.0

NAVAIDS - **BENINA VORW-DME** - HA 117.400 BNA CH 121 N32°07.50' E20°15.20' 152° 1.9 NM to Fld. 433/(A)0°00.0'E **BENINA NDB** - HHW 342.000 BNA N32°05.37' E20°15.68' At Fld. 433/2°24.5'E

ILS/RADAR - ➔**ILS** - BRG 150° LCZR BNI 110.3 GS 2.5° LOM BN 362. GS O/S UFN.

BENI WALID, LY **VORW-DME** - HA 115.900 WLD CH 106 N31°46.95' E14°00.57' 890/(A)0°00.0'E **NDB** - HHW 265.000 WLD N31°44.00' E14°01.00' Unk/1°33.8'E **H-10E, L-14F**

BEN SLIMANE, MO **NDB** - HW 275.000 CAE N33°36.95' W7°06.80' Unk/3°07.3'W **H-9A, 16H, L-13C**

BENSON, UK **EGUB** MIL N51°36.98' W1°05.75' 226 UTC 0(+1DT) **H-6F, L-4G**
(B) **RWY-01** L34,50 (5981x150 ASP) L5,24,50 **RWY-19**
RWY-06 (CLSD 4782x100 ASP) **RWY-24**

SERVICE - **LGT** - ABn, red coded BO. **JASU** - 1(E4) 1(E12) **FUEL** - (NC-100LL, A1+) **OIL** - O-149

REMARKS - Opr HO. **RSTD** - 24 hr PPR. **CAUTION** - Extv copter tfc. **CSTMS/AG/IMG** - Avbl HO.

COMMUNICATIONS - **ATIS** - 282.525 **APP** - (R) 376.65 136.45 **CAC** - Call LONDON MIL 275.475. Call BENSON ZONE 120.9 (R) 120.9 278.6 **TWR** - 127.15 318.1 **GND** - 279.15

NAVAIDS - **BENSON TACAN** - L BSO CH 37 N51°36.87' W1°05.97' At Fld. 226/2°39.9'W Tacan unreliable as app and navigational aid. Unlock btn 075°-150°. **VHF/UHF/DF**

AIRPORT/FACILITY DIRECTORY B-63

ILS/RADAR - ➔ ILS - BRG 191° LCZR 108.5 GS 3°. **■ RADAR** - ASR - Call Director - 136.45
356.125. MP Mon AM. PAR - Call Talkdown - 136.45 123.3x 383.075 277.675

BEOGRAD ACC/UACC, YI **LYBA** (CIV) (R) (V) **CONTROL/RADAR - Lower**
Airspace - N Sctr 130.95 132.57 S Sctr 128.02 132.57 W Sctr 120.42 132.57 Adriatic Sctr
120.42 132.57 **Upper Airspace** - N Sctr 133.45 S Sctr 129.02 W Sctr 123.77 Adriatic Sctr
123.77 **Top Upper Airspace** - N Sctr 135.35 S Sctr 130.325 W Sctr 129.225 Adriatic Sctr
129.225 **VHF/DF H-4F, 15C, D, L-10F, G, 12F, G**

BEOGRAD, YI **LYBE** CIV N44°49.11' E20°18.55' 335 UTC+1(+2DT) **H-4F, L-10G**
RWY-12 L5,24,50 (11155x148 ASP PCN 65 F/C/X/T) L5,24,50 **RWY-30**
←9843

SERVICE - AOE **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0400-2200Z++. H24 for emerg ldg. **CAUTION** - Bird haz. Motor gliding
act 4NM N of afld up to 1000'.

COMMUNICATIONS - **INFO** - 122.925 **APP** - (R) (V) 119.1 **TWR** - 118.1

NAVAIDS - **BEOGRAD VORW-DME** - HA 112.300 BEO CH 70 N44°48.42' E20°20.10' 299°
1.3 NM to Fld. 331/(A)2°00.0'E **BEOGRAD NDB** - HW 316.000 JA N44°44.58' E20°28.52'
300° 8.4 NM to Fld. Unk/3°24.1'E **BEOGRAD NDB** - MHW 380.000 KN N44°53.68'
E20°08.17' 119° 8.7 NM to Fld. Unk/3°21.2'E **BEOGRAD NDB** - HW 355.000 OBR
N44°38.58' E20°08.32' 032° 12.8 NM to Fld. Unk/3°19.9'E **VHF/DF**

ILS/RADAR - **ILS**

BERANE, YI **NDB** - MHW 322.000 BRN N42°52.27' E19°54.21' Unk/3°08.8'E **H-4F, L-12G**

BERBERA, SO **HCM1** CIV N10°23.35' E44°56.47' 30 UTC+3 **L-20G**
RWY-05 (13582x164 ASP) **RWY-23**

REMARKS - **CAUTION** - Bird haz. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - **AFIS** - Opr 0330-1430Z. 123.9

BERGAMO ORIO AL SERIO, (MILANO ORIO INTL) IT **LIME** CIV

N45°40.43' E9°42.25' 782 UTC+1(+2DT) **H-7C, L-9B**
(B) **RWY-10** L4,5,50 (9636x148 ASP PCN 72 F/A/W/T) L3,4,5,33,50 **RWY-28**
9324→ ←9209
RWY-12 (2552x59 ASP PCN 10 F/A/X/T) **RWY-30**
2342→ ←2224

SERVICE - **LGT** - PAPI Rwy 10 MEHT 64', PAPI Rwy 28 MEHT 77'. **FUEL** - (NC-A1)

REMARKS - **RSTD** - Twy G to mil ramp ltd, up to C acft only (wgspan 79' to 118' excld). Rwy
12-30 aeroclub only. Rwy 12-30 avbl to acft with outer main gear span up to 12'. Twy M only
avbl to exit Rwy 12-30. Twy N only avbl to enter Rwy 12-30. **CAUTION** - Cir only to SW of
rwy. Apch Rwy 10 multiple pole obst rgt of RCL, fr 2.6-.6 mi to 3900' SW, up to 884' AMSL;
road sign poles 89' lt of RCL, fr .2 mi to thld, 935' AMSL. Radar twr 102', midfld, 1393' N of
rwy. Crane 3643' aft thld Rwy 10, 361' rt RCL, 852' AMSL. 148' AGL obst midfld 1289' S
RCL Rwy 28.

COMMUNICATIONS - **ATIS** - 112.6 **MILANO APP** - (R) (E) 126.75 132.7 (132.7 opr
0600-2200Z++) **ORIO TWR** - (E) 126.5 120.5 257.8X **ORIO GND** - 120.5

NAVAIDS - **ORIO AL SERIO TVORW-DME** - L 112.600 ORI CH 73 (040/25) N45°40.20'
E9°42.43' At Fld. 824/1°11.5'E MP 0730-0900Z++ 1st Mon. **ORIO AL SERIO NDB** -
MHW 376.500 ORI N45°38.63' E9°50.50' 287° 6.1 NM to Fld. Unk/1°13.5'E **DF**
ORI VOR-DME MRA 25 NM
045°-100° 8000'
100°-270° 2500'
270°-300° 5000'
300°-045° 12,000'
020°-100° Unuse
100°-170° 8800' at 10 NM
170°-270° 6000' at 25 NM
260°-350° 9900' at 25 NM
350°-020° 11,600' at 25 NM

ILS/RADAR - ➔ **ILS-DME** - BRG 285° LCZR BRM 108.7 CH 24 GS 3°. BC unuse.

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BERGEN/FLESLAND, NO See FLESLAND

BERGERAC, FR **NDB** - MHW 374.000 BGC N44°49.17' E0°37.16' 277° 4.3 NM
to ROUMANIERE. Unk/1°15.1'W **L-8F-11C**

BERGERUD, NO **NDB** - HHW 316.000 BGU N59°50.92' E11°15.73' 346° 21.3 NM
to GARDERMOEN. Unk/1°27.0'E **H-2G, L-2F**

BERLIN ACC/UAC, GM **EDBB** (GAF) **BERLIN RADAR - (R) (E)** (265.05 grd) 126.075
125.3x 240.97 376.1x (Alt freqs - 126.075x **Mueritz** 126.175 134.65x 337.925x 363.575
336.5x **Mark** 136.05 396.975 **Boerde** 123.225 284.825 **Flaeming** 136.45 369.3 EDR206,
311.675 INFO **132.65** 251.375 **Monitor** - 311.675 **REMARKS** - Advsy Svc, APP CON,
RAFIS, FIS, and alerting svc for flt in Berlin FIR/UIR outside civ ctl airspace. Ltd rdo
coverage blw 4000'. + sign means 8.33 KHz spacing. **L-2E,F-5C,D,E-6I; H-5D-6I,J**

BERN BELP, SZ **LSZB** CIV N46°54.85' E7°29.83' 1674 UTC+1(+2DT) **H-7C, L-9B**
(B) **RWY-14** L5,33,50 (4954x98 ASP PCN 46 F/C/X/T) L5,50 **RWY-32**
4298→ ←4594
RWY-14L (2133x98 GRS) **RWY-32R**
RWY-14R (2125x98 GRS) **RWY-32L**

SERVICE - AOE **LGT** - PAPI Rwy 14 GS 4° MEHT 26'. PAPI Rwy 32 GS 3° MEHT 13'. **FUEL** -
(NC-100LL, A1) **OIL** - 0-123-125.

REMARKS - Opr 0600-2100Z++ Mon-Fri, 0600-2000Z++ Sat, 0700-2100Z++ Sun. **RSTD** -
Aft 1900Z++, afd for ldg only. **MISC** - ATIS mnt rqr opr in CTLZ

COMMUNICATIONS - **ATIS** - Opr 0550-1920Z++. 125.125 **APP/DEP** - 127.325
TWR - (V) 121.025 119.7 **ALPAR** - (Handling and fuel) 135.75 **GLIDER** - 123.4

NAVAIDS - **BERN NDB** - MHW 335.000 BER N46°53.95' E7°30.63' 329° 1.1 NM to Fld.
1690/0°35.9'E **MURI NDB** - MHW 312.000 MUR N46°56.77' E7°28.01' 147° 2.3 NM
to Fld. 1837/0°35.1'E **SCHUPBERG NDB** - MHW 356.500 SHU N47°01.31' E7°23.52' 146°
7.8 NM to Fld. 2215/0°33.6'E **VHF/DF**

ILS/RADAR - ➔**ILS-DME** - BRG 141° LCZR IBE 110.1 CH 38 GS 4°

BERRY HEAD, UK **VORW-DME** - HA 112.050 BHD CH 57(Y) (085/50) N50°23.92'
W3°29.62' 215/(A)5°00.0'W (160/50 in sctr 213°-018°) **H-3C, L-4F**

BERTRIX, (JEHONVILLE) BE **EBBX** MIL N49°53.50' E5°13.43' 1514 UTC+1(+2DT)
H-6H, L-6F
RWY-06 (7874x148 CON) **RWY-24**
REMARKS - **RSTD** - PPR.

BEYKOZ, TU **VORW-DME** - HA 117.300 BKZ CH 120 N41°07.62' E29°08.57'
1073/(A)2°00.0'E **H-4H, L-15A**

BEYPAZARI, TU **NDB** - HW 487.000 BEY N40°09.60' E31°55.78' Unk/4°28.8'E
H-4H, L-15B

BIARD, FR **LFBI** CIV N46°35.26' E0°18.40' 423 UTC+1(+2DT) **H-7A, L-8F**
RWY-03 L5,9 (7710x148 ASP) L2,5,9,27 **RWY-21**
S92 T125 ST158TT222)

SERVICE - AOE **FUEL** - Avbl 0430-2100Z++ Mon-Fri; 0800-1800Z++ Sat, 0900-2100Z++ Sun.
(NC-100LL, A1)

REMARKS - Opr 0500Z++ Mon-1900Z++ Sat; 0700-1900Z++ Sun and hol.

COMMUNICATIONS - **ATIS** - 121.775 **POITIERS APP - (R)** 130.9
POITIERS TWR - 118.5 **POITIERS INFO** - 120.775

NAVAIDS - **POITIERS VORW** - HA 113.300 POI (060/50) N46°34.86' E0°17.89' At Fld.
426/(A)3°0.0'W **POITIERS NDB** - HW 363.000 PI N46°42.24' E0°24.42' 211° 8.1 NM
to Fld. 316/1°29.0'W **VHF/DF**

AIRPORT/FACILITY DIRECTORY B-65

ILS/RADAR - ➔ILS-DME - BRG 213° LCZR PT 110.95 CH 46(Y) GS 3°. ■ **RADAR** - ASR - Call POITERS APP 130.9.

BIARRITZ, FR **VORW-DME** - HA 114.150 BTZ CH 88(Y) (060/50) N43°28.00' W1°30.62'
At ANGLET. 233/(A)3°0.0'W (100/50 NW to NE) **NDB** - MHW 341.000 BZ N43°28.23'
W1°24.22' 269° 5.2 NM to ANGLET. 295/1°46.0'W 100/50 NW to NE **H-7A-15A, L-11B**

BIBERACH AN DER RISS, GM **EDMB** CIV N48°06.66' E9°45.77' 1903

UTC+1(+2DT) **L-6H**

(B) **RWY-04**

(3215x75 ASP)

RWY-22

2559→

SERVICE - **LGT** - ABn flg W. **FUEL** - (NC-A1,100LL)

REMARKS - Opr 0800Z-SS+30 (0700-1800Z DT), O/T PPR. **CAUTION** - Gldr cable winch launcher SE of ASP rwy.

COMMUNICATIONS - **MUNCHEN INFO** - 126.95 **INFO** - 122.75

NAVAIDS - **VHF/DF**

BIELEFELD, (BIELEFELD WINDELSBLEICHE) GM **EDLI** CIV N51°57.89' E8°32.69' 454

UTC+1(+2DT) **L-5B**

(B) **RWY-11** L7,9,50

(4121x66 ASP)

L7,9,50 **RWY-29**

2841→

←3412

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700Z-SS, Mon-Fri, 0800Z-SS Sat, Sun, hol, O/T PPR (0600Z-SS or 1800Z DT) **RSTD** - Rwy 11 dep do not lift-off until reaching displ thld. **CAUTION** - Gldr winch launcher N or rwy. **CSTMS/IMG** - **CSTMS** avbl O/R 2 hr PN.

COMMUNICATIONS - **LANGEN INFO** - 129.875 **INFO** - 118.35

BIELLA CERRIONE, (SACE) IT **LILE** CIV N45°29.72' E8°06.17' 925 UTC+1(+2DT)

L-9B

RWY-16 L7

(4860x98 ASP PCN 28 F/A/W/T)

L7,43 **RWY-34**

4570→

←4368

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0730Z-SS+30 (0630-1800Z sum) **CSTMS/IMG** - Avbl O/R on flt plan, fees.

COMMUNICATIONS - **AFIS** - (V) 123.05

NAVAIDS - **BIELLA CERRIONE TVORW-DME** - T 116.100 BLA CH 108 (030/25) N45°29.65'

E8°06.03' At Fld. 921/0°47.8'E **BIELLA CERRIONE NDB** - MHW 350.000 BLA (025/10)

N45°27.73' E8°07.40' 336° 2.2 NM to Fld. 900/0°48.2'E MP 1100-1300Z++ 1st Tue

BLA VOR-DME MRA at 30 NM 030°-050° 6000'

050°-230° 4000'

230°-260° 10,000'

260°-030° 18,000'

250°-030° 16,000'

BLA NDB MRA at 25 NM

030°-250° 10,000'

BIGA, TU **VORW-DME** - HA 116.900 BIG CH 116 N40°17.12' E27°21.95' 417/(A)2°00.0'E
H-4G-15E, L-12H-15A

BIGGIN HILL, UK **EGKB** CIV N51°19.85' E0°01.95' 598 UTC 0(+1DT) **H-6F, L-4G,**

RWY-03 L5,50

(5912x148 ASP PCN 45 F/C/Y/U)

L5,24,50 **RWY-21**

5122→

RWY-11

(2598x59 ASP)

RWY-29

SERVICE - AOE **LGT** - PAPI Rwy 03 GS 4.0° MEHT 43', PAPI Rwy 21 MEHT 50'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0730-2100Z++ Mon-Fri; 0900-2000Z++ Sat, Sun and hol. OT by arng.

RSTD - PPR. **CAUTION** - Both ends of Rwy 03-21 wid is twice that of associated edge lgt due to extra pavement on one side, pilots should ensure they are lined up correctly especially if tkof is at ngt or in low vis. Rpt LDA Rwy 03 5112'; rpt LDA Rwy 21 5479'.

CSTM/AG/IMG NAV - Avbl dur A/D opr hr. **MISC** - Ldg fees.

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COMMUNICATIONS - ATIS - 121.875 **APP** - 129.4 **TWR** - 134.8

THAMES RDR - 132.7

NAVAIDS - **BIGGIN VORW-DME** - HA 115.100 BIG CH 98 (060/50) N51°19.85' E0°02.09'

At Fld. 590/(A)3°00.0'W (100/50 sctr 047°-137°;125/50 sctr 287°-047°. DME unlocks may occur in sctr 017°-042° 15-25nm range) **VHF/DF**

ILS/RADAR - **ILS-DME** 21

BILBAO, SP **LEBB** CIV N43°18.07' W2°54.64' 138 UTC+1(+2DT) **H-3A-7A, L-11B**

RWY-10 L5,38,50 (6562x148 ASP PCN 55 F/B/W/U) L5,50 **RWY-28**

RWY-12 L4,5,12,50 (8530x148 ASP PCN 60 F/B/W/U) L3,4,5,27,50 **RWY-30**
←7021

SERVICE - **LGT** - PAPI Rwy 10 GS 3.6°; PAPI Rwy 28, 30 GS 3.4°. **FUEL** - (NC-100LL, A1)
OIL - 0-117-125

REMARKS - Opr 0545-2230Z++, 45 min PPR 30 min prior arpt clsd. **CS/TMS/IMG** - Avbl.

COMMUNICATIONS - ATIS - 118.825 **APP** - 120.7 **TWR** - (V) 118.5 257.8

GND - 121.7

NAVAIDS - **BILBAO DVORW-DME** - HA 115.900 BLV CH 106 N43°18.26' W2°56.15' 103°

1.1 NM to Fld. 141/(A)3°00.0'W **VHF/DF**

ILS/RADAR - **ILS-DME** - BRG 300° LCZR IBL 110.3 CH 40 GS 3.4°

BILDUDALUR, IC **BIBD** CIV N65°38.48' W23°32.77' 18 UTC 0 **L-1A**

RWY-05 L5,50 (3084x98 BIT) L5,50 **RWY-23**

SERVICE - **LGT** - PAPI Rwy 23 unuse byd 3.5 NM fr thld. **FUEL** - Avbl 0800-1600Z.
(NC-A1).

REMARKS - Opr 0800-1600Z Mon-Fri, 1230-1630Z Sat-Sun. OT PPR thru CAA
C354-436-3640. **CAUTION** - Rwy is sfc dressing; use brakes with ctn and use as big a
turning rad as possible. **MISC** - Ldg fees. **RWY** - Rwy PCN is 15.

COMMUNICATIONS - **REYKJAVIK ACC** - Opr H24. 119.7 **INFO** - 119.1

BILLUND, DA **EKBI** CIV N55°44.42' E9°09.11' 247 UTC+1(+2DT) **H-2G-5C, L-2E**

(B) **RWY-09** L3,4,5,27,50 (10172x148 ASP PCN 110 F/A/X/T) L3,4,5,27,50 **RWY-27**
9680→ ←9680

SERVICE - **LGT** - ABn flg W, opr HO. PAPI Rwy 09 MEHT 52', Rwy 27 MEHT 51'. **FUEL** -
(NC-100LL, A1) **FLUID** - De-Ice. Req svc on initial ctc with Twr freq 119.0.

REMARKS - Opr 0500-2100Z++, OT PN 1 hr. **RSTD** - Tfc circuit/cir N of rwy only. Avoid ovft
Billund if possible. **CAUTION** - Gldr fld S of rwy. **CS/TMS/IMG** - Avbl. **MISC** - Ldg fees.
Req ATC clnc no earlier than 10 min prior to eng start-up. APU proc rstd, ctc ATC. Fone
C+45 76 50 5050, Admin fax C+45 76 50 5057, Tfc Handling fax C+45 75 33 8410,
ADO/ARO/Briefing fax C+45 75 35 3974. E-mail info@bll.dk internet www.bll.dk.

COMMUNICATIONS - ATIS - Opr H24. 118.775 **APP** - Opr H24. (R) 127.575

TWR - Opr H24. (V) 119.0 **ARPT OFFICE** - 131.5 **CARGO HANDLING** - 122.075
HANDLING - 130.85

NAVAIDS - **BILLUND NDB/LOM** - MHW 341.000 LO N55°44.67' E9°16.78' 267° 4.3 NM
to Fld. Unk/0°45.5'E

ILS/RADAR - **ILS** - BRG 087° LCZR BIL 111.7 GS 3° LOM GE 395. **ILS-DME** - BRG 267°
LCZR LEL 110.7 CH 44 GS 3° LOM LO 341.

BINDLACHER BERG, GM See BAYREUTH

BIR DARB, SA **VORW-DME** - HA 115.100 BDB CH 98 N24°19.85' E41°49.47'

3281/2°49.6'E **H-14F, L-20G**

BIRJAND, IR **OIMB** CIV N32°53.88' E59°15.97' 4952 UTC+3:30 **H-13D, L-17C**

RWY-08 (7093x82 ASP PCN 18 F/B/Y/U) **RWY-26**

RWY-10 (9521x148 ASP PCN 35 F/B/X/T) **RWY-28**

SERVICE - **FUEL** - Opr SR-SS (NC-100LL, A1, J4) J4 avbl in 4.8 gal cans.

REMARKS - Opr 0300-0930Z. **CAUTION** - Animal haz.

COMMUNICATIONS - **INFO** - Opr SR-SS. 127.1 121.7

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NAVAIDS - BIRJAND VORW-DME - HA 113.500 BJD CH 82 N32°58.35' E59°12.01' 141°
5.6 NM to Fld. 7136/(A)2°00.0'E **BIRJAND NDB** - HHW 405.000 BJD N32°54.20'
E59°15.43' At Fld. 5156/2°47.3'E
BJD VOR-DME unuse byd 40 NM 140°-160° blw 11,000'
160°-200° blw 10,000'
200°-230° blw 9000'
230°- 300° blw 8000'
300°- 140° blw 9000'

BIRMINGHAM, UK **EGBB** CIV N52°27.23' W1°44.88' 327 UTC 0(+1DT)

H-3D-6F, L-3C-4G

RWY-06 L50 3363→ RWY-15 L3,4,5,33,50 7477→	(4314x98 ASP PCN 30 F/C/W/T) (8546x151 ASP PCN 65 F/B/W/T)	L50 RWY-24 ←3898 RWY-33 ←7559
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SERVICE - AOE **LGT** - ABn, green coded BM. PAPI Rwy 06-24 GS 3.5°. **FUEL** - A1(Air BP)
OIL - O-117-123

REMARKS - CAUTION - Bird haz. **RWY** - Rwy 06-24 has 26' shoulder on ea side of rwy, PCN
unk. Rwy 06-24 avbl SR-SS.

COMMUNICATIONS - ATIS - Avbl by fone C0121-780-0910. 126.275 **APP - (R)** 118.05
131.0X **TWR - (V)** 118.3 **GND** - Opr 0700-2100Z (0600-2100Z sum). 121.8
CLNC DEL - Avbl at times indicated by ATIS. 121.925

NAVAIDS - BIRMINGHAM NDB - MHW 406.000 BHX N52°27.27' W1°45.14' At Fld.
325/3°03.5'W **VHF/DF**

ILS/RADAR - ILS-DME 15, 33 **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

BIR MOGHREIN, MR **GQPT** MIL/CIV N25°14.20' W11°35.32' 1194 UTC 0

H-11B, L-19A

RWY-01 (7515x70 ASP DC4)	RWY-19 ←5905
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REMARKS - Opr SR+15-SS+15.

COMMUNICATIONS - INFO - Opr HS, OT O/R 24 hr PN to GQNNZTX. 118.9
RDO - Opr HS, OT O/R 24 hr PN to GQNNZTX. 5680

NAVAIDS - BIR MOGHREIN NDB - HW 408.000 FR N25°12.99' W11°35.03' 353° 1.2 NM
to Fld. Unk/4°57.0'W Opr HS, OT O/R 24 hr to GQNNZTX.

BISHA, SA **OEBH** MIL/CIV N19°59.06' E42°37.25' 3887 UTC+3 **H-14F, L-20G**

(B) RWY-18 L7,50 ←J-BAR UNK (246' OVRN)	(CLSD 10007x147 ASP) J-BAR UNK (246' OVRN) →	L7,50 RWY-36
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SERVICE - FUEL - (NC-A1)

REMARKS - RSTD - PPR. **CAUTION** - Two natural rock formations aprx 66' AGL lctd E side
rwy cntr.

COMMUNICATIONS - CTAF - 122.8 **FIRE RESCUE SVC** - Call 15 mins prior to arrival
133.5 **REMARKS**: Ctc 15 min prior to ETA

NAVAIDS - BISHA VORTACW - HA 112.300 BSH CH 70 N19°58.66' E42°37.47' At Fld.
3877/(A)1°00.0'E

ILS/RADAR - ILS-DME - BRG 185° LCZR I-BSH 110.1 CH 38 GS 3°.

BISHE KOLA, IR **OINJ** MIL N36°39.31' E52°20.98' -79 UTC+3:30 **H-13C, L-17B**

RWY-09 (3235x98 ASP)	RWY-27
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REMARKS - RSTD - PPR. VFR only.

COMMUNICATIONS - INFO - Opr SR-SS. 121.9

BISKRA, AG **VORW-DME** - HA 115.000 BIS CH 97 N34°46.50' E5°45.50' 586/(A)2°00.0'W **H-9C-15B, L-14E**

BISSAU OSWALDO VIEIRA INTL, PU **GGOV** MIL/CIV

N11°53.69' W15°39.22' 129 UTC 0 RWY-03 L5A,50	L-19A, H-11B (10499x148 ASP 707)	L5A,50 RWY-21
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SERVICE - AOE

REMARKS - Opr 0700-1900Z Mon-Fri, 0700-1400Z Sat, OT 72 hr PN. **RSTD** - NORDO and VFR proh. PPR 48 hr for non-sked flt.

COMMUNICATIONS - **APP** - 123.9 124.3 5680 **TWR** - 124.3 5565

A/G VOICE RDO - 3432 5565 6535 8861 **REMARKS:** (CIV)

NAVAIDS - **BISSAU/OSWALDO VIEIRA VORW-DME** - HA 114.300 BIS CH 90 N11°56.21' W15°38.68' 204° 2.6 NM to Fld. 129/(A)12°00.0'W **BISSAU/OSWALDO VIEIRA NDB** - HHHW 325.000 BS N11°57.60' W15°38.59' 199° 3.9 NM to Fld. Unk/8°40.7'W

ILS/RADAR - ➔**ILS** - BRG 212° LCZR IBS 109.3 GS 3°

BISTRICA, SI **VORW-DME** - HA 114.800 ILB CH 95 N45°33.94' E14°10.25' 1962/(A)0°00.0'E **NDB** - HW 414.000 ILB N45°33.87' E14°10.32' 1880/2°12.6'E **H-4E-7D, L-9D-10E**

BITBURG, GM **EDRB** CIV N49°56.72' E6°33.90' 1223 UTC+1(+2DT) **H-6H, L-6G**
RWY-06 L5 (10026x148 ASP PCN 64 R/C/W/T) **L5 RWY-24**
9042➔ ←9206

REMARKS - Opr 0700Z-SS Mon-Fri, 1300Z-SS Sat, 1000Z-SS Sun+hol, OT PPR C(06561)7530. (0600-1700Z Mon-Fri, 1200Z-SS or 1900Z Sat, 0900Z-SS or 1900Z Sun+hol, OT PPR DT).

COMMUNICATIONS - **SPANGDAHLEM TWR** - (V) 122.2 **LANGEN INFO** - (V) 123.525
INFO - 118.7 15NM 3000 ft. AGL

BIZERTE, TS **VORW-DME** - HA 114.200 BIZ CH 89 N37°14.12' E9°45.93' 12/1°08.4'E
H-15B, L-14E

BJORNOYA, NO **NDB** - HW 316.000 BJO N74°30.12' E19°05.17' Unk/7°08.3'E **H-1C**

BLACE, YI **VORW-DME** - L 116.100 BLC CH 108 N43°14.92' E21°21.70' 1161/(A)2°00.0'E
NDB - HW 377.000 BLC N43°14.80' E21°21.73' Unk/3°25.2'E **H-4F, L-12G**

BLACKBUSHE, UK **EGLK** CIV N51°19.43' W0°50.85' 325 UTC 0(+1DT) **L-4G**
(B) **RWY-07 L5,50** (4380x151 ASP) **L5,50 RWY-25**
3592➔ ←3537

SERVICE - **LGT** - PAPI Rwy 07 GS 3.1° MEHT 19', Rwy 25 GS 3.1° MEHT 14'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0800-1800Z++, by arng wi period 0700-2200Z++. PPR. **RSTD** - Rpt LDA Rwy 07 3615', Rwy 25 3494'. **CSTMS/AG/IMG** - By arng.

COMMUNICATIONS - **AFIS INFO** - 122.3

NAVAIDS - **BLACKBUSHE DME** - HA BLC CH 109 N51°19.43' W0°50.78' At Fld. 341/2°31.4'W **BLACKBUSHE NDB** - MHW 328.000 BLK N51°19.40' W0°50.69' At Fld. Unk/2°31.3'W

BLACKPOOL, UK **EGNH** CIV N53°46.30' W3°01.72' 34 UTC 0(+1DT)
H-3D-5A, L-3C, T-2F

RWY-07 (2621x98 ASP PCN 14 F/A/W/T) **RWY-25**
2495➔ ←2296
RWY-10 L5,20 (6132x151 ASP PCN 30 F/A/W/T) **L5,24 RWY-28**
RWY-13 L5 (3533x75 ASP PCN 14 F/A/W/T) **L5 RWY-31**
3055➔

SERVICE - AOE **LGT** - CAUTION: Rwy 13-31 rwy lgt indicates full rwy wid (118'); not usable wid (75') is delineated by side stripes. Rwy 13 APAPI GS 4°, Rwy 31 APAPI GS 3.25°.

FUEL - (NC-100LL, A1)

REMARKS - Opr 0600-2300Z++, OT by arng. **RWY** - Rwy 07-25, 13-31 usable rwy edge delineated by side stripes. Rpt LDA Rwy 07 is 2001'; Rwy 25 is 2297'; Rwy 10-28 is 6132'; Rwy 13 is 3041'.

COMMUNICATIONS - **ATIS** - 121.75 **APP** - (R) 119.95 **TWR** - 118.4

NAVAIDS - **VHF/DF**

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ILS/RADAR - ➔ ILS-DME - BRG 279° LCZR I-BPL 108.15 CH 18(Y) GS 3° ■ **RADAR** - RADAR - Call RADAR - 135.95. Opr 0730-1700Z++ OT by arng.

BLAGNAC, FR **LFBO** CIV N43°37.74' E1°21.83' 499 UTC+1(+2DT) **H-7B-15A, L-11C**
RWY-14L L2,5,24 (9843x148 ASP PCN 50 F/A/W/T) L5,9 **RWY-32R**
RWY-14R L2,3,4,5,10,50 (11483x148 ASP PCN 85 F/B/W/U) L4,5,9,50 **RWY-32L**

SERVICE - AOE **FUEL** - Avbl 0500-0100Z++ Mon-Fri, 0500-2200Z++ Sat, 0500-2300Z++ Sun. OT PPR 1 hr. (NC-100LL, A1)

REMARKS - **RSTD** - PPR 48hr. **CAUTION** - 4 Cranes 230° .4NM fr Rwy 14L thld hgt 138' AGL. **NS ABTMT** - See AP/2 Supplementary Arpt Info.

COMMUNICATIONS - **ATIS** - 123.125 **TOULOUSE APP** - (R) 125.175 129.3 123.85 124.975 **APP** - (R) 121.1 **TWR** - 118.1 **GND** - 121.9 **TOULOUSE INFO** - 121.25 **CLNC DEL** - 121.7

NAVAIDS - **TOULOUSE VORW-DME** - HA 117.700 TOU CH 124 (040/50) N43°40.85' E1°18.59' 145° 3.9 NM to Fld. 555/(A)2°0.0'W (120/50 in sctr 195° -255°)
TOULOUSE NDB - MHW 423.000 TS N43°30.44' E1°29.21' 324° 9.1 NM to Fld. 844/0°53.0'W **TOULOUSE NDB** - MHW 406.000 TW N43°31.84' E1°01.52' 068° 15.9 NM to Fld. 813/1°1.0'W **TOULOUSE NDB** - MHW 415.000 TOE N43°28.87' E1°40.79' 303° 16.4 NM to Fld. 898/0°50.0'W **VHF/DF**

ILS/RADAR - ➔ ILS-DME 15L - BRG 144° LCZR TG 108.9 CH 26 GS 3°. ➔ **ILS-DME** 15R - BRG 144° LCZR TBS 110.7 CH 44 GS 3° Opr dur IMC, OT O/R. ➔ **ILS-DME** 33L - BRG 324° LCZR TBN 109.3 CH 30 GS 3° Opr dur IMC, OT O/R. ➔ **ILS-DME** 33R - BRG 324° LCZR TD 108.35 CH 20(Y) GS 3.5° Opr dur IMC, OT O/R. ■ **RADAR** - ASR - Call RADAR - 121.1 To FL100.

BLONDUOS, IC **NDB** - MHW 351.000 BL N65°41.18' W20°17.55' Unk/16°59.2'W **H-1A, L-1A**

BOBO DIOULASSO, UV **DFOO** CIV N11°09.60' W4°19.86' 1511 UTC 0 **L19B**
RWY-06L7 (10826x148 ASP PCN 57 F/B/X/T) L7 **RWY-24**

SERVICE - AOE **FUEL** - Avbl 0600-1900Z, OT O/R 30 min PN. (NC-100LL, A1)

REMARKS - Opr 0600-2000Z. **RSTD** - NORDO proh.

COMMUNICATIONS - **TWR** - Opr HS. 119.7 **AG VOICE RDO** - Opr HS. 6673

NAVAIDS - **BOBO DIOULASSO VORW-DME** - HA 114.700 BD CH 94 N11°08.70' W4°21.05' 058° 1.5 NM to Fld. 1404/4°33.5'W **BOBO DIOULASSO NDB** - HW 323.000 BDO N11°10.52' W4°18.62' 238° 1.5 NM to Fld. 1555/4°32.4'W

ILS/RADAR - ➔ ILS - BRG 060° LCZR BO 109.7 GS 3° LOM BO 310

BOBOC, RO **LR--/LR82** MIL N45°12.99' E26°58.72' 344 UTC+2(+3DT) **H-4G, L-10I**
RWY-04L7,9,34 (8202x262 CON 40 SWL) L7,9 **RWY-22**

SERVICE - **FUEL** - (NC-A1+) **FLUID** - OX **OIL** - O-MKP8

COMMUNICATIONS - **APP** - (R) 130.0 **TWR** - 130.0 **DEP** - 130.0

ILS/RADAR - ■ **RADAR** - PAR - Call RADAR - 130.0

BOCCADIFALCO, (PALERMO BOCCADIFALCO) IT **LICP** MIL N38°06.65' E13°18.80' 345 UTC+1(+2DT) **L-12E-14F**

RWY-17 (4016x148 ASP AUW12.5) **RWY-35**
3081→ ←3278

REMARKS - Opr 0700Z++-SS **RSTD** - No ldg Rwy 35. **CSTMS/AG/IMG** - O/R

COMMUNICATIONS - **RAISI APP** - Opr H24 (R) (E) 120.2 387.45 **AFIS** - 122.1 122.6 257.8 338.0

BODO ACC, NO **ENBD** (RNoAF-CIV) (R) **CON/RADAR** - (**N Sctr** - 126.45 278.05) (**E Sctr** - 126.7 278.525) (**Central Sctr** - 118.55 240.575) (**S Sctr** - 125.7 234.4 279.15) (**Helgeland Sctr** - 127.9 278.7). **H-1B, C, D, 2F, L-1B, C, D**

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BODO OCEANIC ACC, NO **ENOB** RNoAF-CIV (R)CON 127.725 **RDO** 2983x
4666 6544 8840 (**SAR** 5680 3023) (**NAT D** 2971 4675 8891 11279)
H-1B,C,D, 2F, L-1B,C,D

BODO, NO **ENBO** MIL/CIV N67°16.15' E14°21.92' 42 UTC+1(+2DT) **H-1C, L-1C**
RWY-07 L5,24,50 (11136x148 CON PCN 65 R/B/X/T) L2,5,24,50 **RWY-25**

9167→

←HOOK 34B-1C (230')

HOOK 34B-1C (2350') →

SERVICE - AOE **LGT** - PAPI Rwy 25 GS 3.5'. **JASU** - 6(MA-1A) 1(STR-16) 1(STR-30)
1(STR-45) **FUEL** - Avbl 0415-2200Z++ Mon-Fri, 0415-2030Z++ Sat, 0930-2200Z++ Sun.
(NC-100LL, J8) **FLUID** - De-Ice (Avbl 0400-2230Z++ Mon-Fri, 0400-2030Z++ Sat,
0915-2230Z++ Sun.)

REMARKS - **RSTD** - PPR Diplomatic clnc req to COMAIRNORTH. Mil acft opr 0630-1330Z++
Mon-Fri, clsd hol. NS ABTMT pro in effect. Aftburner to be used only if opr requirement
and then only in TFC PAT VFR. No overhead pat. Rwy 08 enter str-in or join downwind
direct. Straight for Rwy 26 offset 10° to the south. Acft in Boeing 707 class or larger ctc
Bellboy 241.725 15 min prior to ldg. **CAUTION** - Parts of twy are not controlled by or vis fr
the twr. No grooving on rwy, incr chance of hydroplaning due to standing water when wet.
Unlgt obst sfc of arpt. The S parl twy could be mistaken as main rwy. Birds. **NS**
ABTMT - Cir S of arpt. Overfly town abv 3000'. **RWY** - Rwy 07 TORA and LDA 8294'. Rwy
25 TORA and LDA 9167'. Rwy 07 displ thld (1969') avbl for mil acft use only, PPR.

COMMUNICATIONS - **ATIS** - Opr 0500-2300Z++. 123.9 **APP/DEP** - (R) 119.7 124.0
259.025 277.3 **TWR** - (R) (E) 118.1 257.8 398.65

NAVAIDS - **BODO VORW-DME** - L 117.200 BDO CH 119 N67°16.00' E14°21.89' At Fld.
31/3°15.9'E **BODO TACAN** - HA BOO CH 45 N67°15.97' E14°21.71' At Fld.
131/(A)2°00.0'E **FAUSKE NDB** - HHW 326.000 FSK N67°15.84' E15°08.43' 268° 18.1 NM
to Fld. Unk/3°42.3'E **VHF/UHF/DF**

ILS/RADAR - **ILS** SEE TERMINAL FLIP FOR ILS 07 DATA. → **ILS** - BRG 265° LCZR BD 109.1 GS
3.5° LCTR IL 320 LCTR FSK 326.

BOJNORD, IR **OIMN** CIV N37°29.58' E57°18.49' 3499 UTC+3:30 **H-13C, L-17C**
RWY-07 (10582x148 ASP PCN 35 F/C/X/T) **RWY-25**
8625→

REMARKS - Opr 0330-1330Z, OT O/R. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - **INFO** - 118.2 121.9

NAVAIDS - **BOJNORD VORW-DME** - HA 114.800 BRD CH 95 N37°29.73' E57°19.41'
At Fld. 3543/4°15.2'E **BOJNORD NDB** - HW 346.000 BRD N37°29.34' E57°18.34' At Fld.
Unk/4°15.3'E
BRD VOR-DME unuse

010°-110° byd 20 NM blw 10,000'
110°-210° byd 20 NM blw 10,500'
210°-010° byd 20 NM blw 11,000'
075°-110° byd 40 NM blw 15,000'
110°-150° byd 40 NM blw 16,000'
150°-270° byd 40 NM blw 17,000'
270°-330° byd 40 NM blw 15,000'
330°-075° byd 40 NM

BOKANJAC, HR **NDB** - MHW 385.000 BO N44°10.15' E15°15.84' 134° 5.1 NM
to ZADAR. 83/2°23.0'E **L-12F**

BOKE, GV **NDB** - HW 382.000 OK N10°57.35' W14°18.40' Unk/8°21.5'W **L-19A**

BOLOGNA, (BORGO PANIGALE) IT **LIPE** CIV N44°32.13' E11°17.32' 123
UTC+1(+2DT) **H-7D, L-9C-12E**

RWY-12 L3,4,5,33,50

(9186x150 ASP PCN 71 F/B/X/T)

L4,5,12,50 **RWY-30**

8179→

←7998

SERVICE - AOE **LGT** - PAPI Rwy 12 MEHT 57', PAPI Rwy 30 GS 3.5' MEHT 58'. **FUEL** - A1
(Eni S.p.A. avbl 0500-2200Z++, OT 24 hr PN \$100 ea occurrence, C+390-71-282-7209).

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REMARKS - RSTD - Non-sked copter/acft cl D or abv rqr prk clnc before dep, C+39 051 6479908/09. Bird act, req act meteo rdr equip before tkof or ldg. **CAUTION** - WIP copter area UFN. **NS ABTMT** - 0500-2200Z++ use Rwy 30 for dep. 2200-0500Z++ flt act proh. APU not auth til 60 min before ETD or 20 min aft ATA. **MISC** - SMR instl.

COMMUNICATIONS - ATIS - 134.875 **APP - (R) (E)** 120.1 129.9 257.8 **TWR - (U)** 120.8 129.9 257.8 **GND** - Opr 0600-2100Z++. 129.925

NAVAIDS - BOLOGNA VORW-DME - HA 112.200 BOA CH 59 (025/10) N44°32.22' E11°17.44' At Fld. 156/(A)0°00.0'E (40/25 sctr 030-050°, 193-213°; 50/25 sctr 131-151°; 50/40 sctr MP 1330-1500Z++ 2nd Tue. **BOLOGNA NDB/LOM** - MHW 413.000 BOA N44°34.04' E11°12.01' 115° 4.2 NM to Fld. Unk/1°32.6'E MP 1030-1200Z++ 1st Tue.

VHF/DF

BOA VOR-DME MRA 10NM	090°-270° 3000'
	270°-090° 2000'
BOA VOR-DME MRA 25 NM	000°-090° 3000'
	090°-180° 6000'
	180°-270° 7000'
	270°-360° 4000'
BOA NDB MRA 50 NM	030°-130° 2000'
	130°-310° 10,000'
	310°-030° 6000'

ILS/RADAR - ILS BC unuse.

BOLSENA, IT VORTACW - HA 114.400 BOL CH 91 (100/50) N42°37.10' E12°02.92' 2082/(A)0°00.0'E No backup pwr. MP VOR 0700-0800Z++, TACAN 1000-1100Z++ 1st Thu; VOR 1300-1400Z++; TACAN 1300-1700Z++ 3rd Thu.

BOL TACAN MRA byd 40 NM

000°-090° 7500'
090°-140° 10,000'
140°-300° 6000'
300°-330° 8000'
330°-360° 6000'
000°-140° 7500'
140°-300° 6000'
300°-330° 8000'
330°-360° 6000'

BOL VOR MRA byd 40 NM

H-7D-15C, L-12E

BOLZANO, (G SABELLI) IT **LIPB** CIV N46°27.61' E11°19.58' 789 UTC+1(+2DT) **L-9C** RWY-01 L5A,50 (4255x98 ASP PCN 26 F/C/W/T) L3,50 RWY-19

RWY-01R

(2290x66 GRS)

←4055
RWY-19L

SERVICE - AOE LGT - PAPI Rwy 01 GS 6.0° MEHT 43', Rwy 19 GS 4.7° MEHT 43'. (PAPI Rwy 01 cov 5° rgt/8° left, Rwy 19 use daylt only within 2.6NM) **FUEL** - (NC-100LL, A1) (100LL avbl 0700-1100Z++, 1300-1700Z++ Tue-Sun) (A1 avbl 0530-2200Z++) **FLUID** - De-Ice

REMARKS - Opr 0500-2200Z++ (dep/arr 0530-2200Z++). **RSTD** - PPR. All inst arr/dep pro rqr authorization by Italian Civil Avn Auth. Ngt VFR proh exc copters. **CAUTION** - Gldr act.

COMMUNICATIONS - INFO - Opr 0430-2230Z++ (V) 120.6 257.8

NAVAIDS - BOLZANO TVORW-DME - L 117.050 OZE CH 117(Y) (025/19) N46°24.29' E11°17.56' 023° 3.6 NM to Fld. 784/1°34.2'E MP 1000-1100Z++ 1st Wed.

BOLZANO NDB - MHW 362.000 BZO N46°27.82' E11°19.31' At Fld. Unk/1°34.7'E MP 1000-1100Z++ 2nd Tue.

OZE VOR/DME MRA	210°-320° FL250
	320°-210° FL190
BZO NDB MRA	within 50 NM 14,000'

ILS/RADAR - →LOC-DME - BRG 010° LCZR IBZ 109.1 CH 28

BOMBAY ACC, IN See MUMBAI ACC

BOMOEN, NO ENBM CIV N60°38.33' E6°30.09' 300 UTC+1(+2DT) **L-1B** RWY-09 (3281x98 ASP) RWY-27

REMARKS - RSTD - PPR. **CAUTION** - Gldr act.

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COMMUNICATIONS - STAVANGER ATCC - 124.7 INFO - 123.5

BONDSTEEL, YI NDB - MHW 428.000 BS N42°21.41' E21°14.97'

At CAMP BONDSTEEL AHP. Unk/3°19.4'E Unmto
BS NDB unuse 053°-070° byd 15 NM
071°-112° byd 10 NM
120°-199° byd 14NM
200°-259° byd 6 NM
260°-119° byd 15NM
353°-052° byd 21 NM

L-12G

BONN HARDTHOHE HELIPORT, GM ETHH MIL N50°41.78' E7°02.66'

(32ULB6188317881) 522 UTC+1(+2DT)

(B) (164x164 GRE UH60)

SERVICE - LGT - Bdry and floodlgt avbl. PAPI GS 8°. Two apch lgt sys hdg 015° and 070°.

REMARKS - Unattended. Opr O/R only, 2 wkcd PPR. **RSTD** - No trng permitted. Ovft bldg proh. Ldg for offl bus Federal Ministry of Defense only. **CAUTION** - Lgtd chimney 2461' NE 249' AGL. **NS ABTMT** - Ovft of city sections wi apch and dep area proh. **MISC** - Heliport has drct line Koln-Bonn. Fone C0228-127652, 125888 or 125934; fax C0228-125613.

BOOSTER, LY NDB - MHW 325.000 XY N29°54.00' E23°16.00' Unk/2°36.1'E L-14H

BOPAN, SA VORW-DME - HA 113.700 BPN CH 84 N27°03.23' E45°26.72'

1812/(A)1°00.0'E H-14F, L-16H-18E-20G

BOR, YI LY--/LY89 CIV N44°01.09' E22°08.23' 1266 UTC+1(+2DT) L-12G

RWY-15 (3562x98 ASP)

RWY-33

SERVICE - FUEL - (NC100LL)

REMARKS - Opr SR-SS

COMMUNICATIONS - INFO - 123.5

BORDEAUX ACC/FIC, FR LFBB (CIV) (R) (V) BN Sctr -125.1 282.25, BS Sctr

-124.25 338.35, LM Sctr- 127.675, TA Sctr -129.1 379.1, TG Sctr -128.025, FIS - (Avbl 0900Z++-SS+30 but not later than 2000Z++). NORTH INFO-125.3, SOUTH INFO-125.05 L-8E, F, G-11B, C

BORDEAUX UACC, FR LFBB (CIV) (R) (V) CON - H1 Sctr -124.075 341.45, H2

Sctr -132.91 280.6, H3 Sctr -134.61, L2-Sctr -134.255 370.55, L3-Sctr -133.23, LG Sctr - 135.965 355.95, LY Sctr - 133.1 355.95, N1 Sctr -124.825 285.1, N2 Sctr -130.235 280.6, N3 Sctr -135.135, P1 Sctr -132.175 342.05, P2 Sctr -133.96, P3 Sctr -134.725, R2 Sctr -122.63 370.55, R3 Sctr -132.135, RG Sctr -133.58 355.95, RY Sctr -132.425 355.95, T1 Sctr -123.625 284.6, T2 Sctr -133.465, T3 Sctr -132.335, V Sctr -132.175 231.5, X1 Sctr -118.425 312.7, X2 Sctr -126.13 280.6, X3 Sctr -126.285, Z1 Sctr -133.675 279.1, Z2 Sctr -121.34 280.6, Z3 Sctr - 128.765 H-7A, B-15A

BORDEAUX, FR VORW-DME - HA 113.750 BMC CH 84(Y) (100/50) N44°49.62'

W0°43.27' At MERIGNAC. 161/(A)2°0.0'W (150/50 in sctr 225°-315°) **TACAN** - HA BDX CH 91 (100/50) N44°49.63' W0°43.40' At MERIGNAC. 155/1°40.0'W (150/50 in sctr 225°-315°) **NDB** - HW 393.000 BD N44°56.11' W0°33.74' 226° 9.2 NM to MERIGNAC. 60/1°37.0'W **NDB** - MHW 318.000 BE N44°52.23' W0°23.87' 260° 13.8 NM to MERIGNAC. 251/1°34.0'W **NDB** - MHW 361.000 NB N45°08.85' W0°33.00' 200° 20.4 NM to MERIGNAC. 155/1°38.0'W **H-7A, L-8E**

BORDJ MOKHTAR, AG VORW - HA 113.000 MOK (200/17) N21°22.85' E0°57.13'

Unk/1°31.8'W Opr 0700-2100Z. **NDB** - HW 304.000 MOK (200/17) N21°22.34' E0°55.18' Unk/1°32.3'W Opr 0700-2100Z. **H-11C, L-19C**

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BORDJ OMAR DRISS, AG **VORW-DME** - HA 114.300 BOD CH 90 (090/50)
N28°07.98' E6°50.35' 1125/0°12.3'E **H-9D-11D, L-19C**

BORG EL ARAB INTL, (ALEXANDRIA) EG **HEBA CIV** N30°55.06' E29°41.78' 177
UTC+2(+3DT) **H-10H-16F, L-16E**
(B) **RWY-14** L6,12,50 (11156x148 ASP PCN 55 F/B/W/U) L2,6,11,50 **RWY-32**
RWY-14R (1347x148 ASP) **RWY-32L**
RWY-14S (1347x148 ASP) **RWY-32S**
SERVICE - FUEL - (NC-A1)
REMARKS - RSTD - Both Rwy 14-32S and 14R-32L are STOL and copter use only and are
lctd aprx .7 NM SW and SE of the main Rwy 14-32.
COMMUNICATIONS - ALEX RADAR - Opr 0700-1700Z++. 122.3 120.975
APP - 122.8 **TWR** - 119.1 118.9
NAVAIDS - BORG EL ARAB NDB - HHW 563.000 DJ N30°52.60' E29°43.90' 321° 3.1 NM
to Fld. 144/3°17.4'E **VHF/DF**
ILS/RADAR - ILS-DME - BRG 323° LCZR BIL 111.3 CH 50 GS 3°

BORG PANIGALE, IT See BOLOGNA

BORKUM, GM **EDWR CIV** N53°35.73' E6°42.55' 3 UTC+1(+2DT) **L-2E-3D-5B**
(B) **RWY-05** (2657x131 GRS AUW12) **RWY-23**
RWY-12 (2854x131 GRS AUW4) **RWY-30**
2296→
RWY-13 L6 (3281x66 ASP AUW12) L6 **RWY-31**
SERVICE - FUEL - (NC-100LL)
REMARKS - Opr 0700-1600Z (0530-1700Z DT), PPR. **RSTD** - Do not overfly W part of I blw
2000'.
COMMUNICATIONS - BREMEN INFO - 125.1 376.7 **INFO** - 123.0
NAVAIDS - VHF/DF

BORLANGE, SW **ESSD MIL/CIV** N60°25.32' E15°30.91' 503 UTC+1(+2DT) **H-2G, L-1C**
RWY-14 L5,50 (7579x148 ASP PCN 36 F/B/X/T) L5,24,50 **RWY-32**
SERVICE - LGT - PAPI Rwy 14 GS 3.25' MEHT 65.2', Rwy 32 MEHT 60.7'. **FUEL** - Avbl
0430-2030Z++ Mon-Fri. (NC-100LL, A1)
REMARKS - CAUTION - Model acft act SW afld sfc to 500' AGL. Gldr act and PJE SW afld.
NS ABTMT - Avoid noise sensitive areas N and S afld. Jet and acft over AUW 15.4 tkof
Rwy 32 and ldg Rwy 14 only permitted when wind or t/c cond rqr. Acft over AUW 15.4:
Dep Rwy 14 - Climb straight ahead to 10 DME before lt turn; Dep Rwy 32 - Rgt turn proh.
CSTMS/IMG - CSTMS avbl 0600-2000Z++ Mon-Fri. **MISC** - Ldg fees, increased charges
outside Twr opr hr. Opr hr of Twr and svc may be reduced around hol by NOTAM.
COMMUNICATIONS - TWR - Opr 0500-2115Z++ Mon-Fri, OT O/R. Freq extn of opr hr.
(V) 127.3 123.3
NAVAIDS - BORLANGE VORW-DME - HA 117.600 BOR CH 123 (100/50) N60°25.29'
E15°31.15' At Fld. 518/(A)2°00.0'E DME rng ltd btn 140°-290°. **VHF/DF**
ILS/RADAR - ILS-DME - BRG 309° LCZR SD 109.5 CH 123 GS 3° LCTR LM 397. DME info fr
BOR VOR-DME.

BORNHOLM RONNE, DA **EKRN CIV** N55°03.80' E14°45.57' 52 UTC+1(+2DT)
H-2G-5D, L-2F
(B) **RWY-11** L5,11,50 (6568x148 ASP PCN 38 F/B/X/T) L5,11,50 **RWY-29**
UNK (623') UNK (787')
SERVICE - AOE LGT - PAPI Rwy 11/29 MEHT 46'. ABn opr when acft exp at ngt or in lo vis
dur day. **A-GEAR** - Cable capability O/R, unk type. **FUEL** - (NC 100LL A1) **FLUID** -
De-ice **TRAN ALERT** - Cargo handling and minor acft repair, Call Handling.
REMARKS - Opr 0600-2145Z++ Mon-Fri, 0700-1800Z++ Sat, 0700-2145Z++ Sun. **RSTD** -
US mil acft proh exc in emerg. **NS ABTMT** - Aft tkof Rwy 11 no turn auth til passing DME
ROE 1.5 NM. Aft tkor Rwy 29, aft pass 500' turn left and follow ROE VOR R227 to 5 DME.
CSTMS/IMG - Avbl HO with 1 hr PN **MISC** - Ldg fees. Fone C+45 56 95 2626, fax C+45 56
93 0222. E-mail: ekrn@slv.dk

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COMMUNICATIONS - RONNE TWR - (V) 118.325 257.8 **HANDLING -** 131.55

NAVAIDS - RONNE VORW-DME - HA 112.000 ROE CH 57 (080/55) N55°03.93'

E14°45.52' At Fld. 79/(A)3°00.0'E (150/55 018°-153°) DME info fr ROE TACAN

RONNE TACAN - HA ROE CH 57 (080/55) N55°03.71' E14°45.35' At Fld. 79/(A)3°0.0'E

VHF/DF

ILS/RADAR - ➔ ILS-DME - BRG 112° LCZR IAR 109.35 CH 30(Y) GS 3° ➔ **ILS-DME - BRG** 292°
LCZR IRE 110.3 CH 40 GS 3° LCTR FAU 334

BOSCOMANTICO, IT See VERONA BOSCOMANTICO

BOSCOMBE DOWN, UK EGDM MIL N51°09.13' W1°44.84' 407 UTC 0(+1DT)

H-3C-6F, L-4F, G

RWY-05 L5,24,50 (10538x150 PEM)

L5,24,50 **RWY-23**

←J-BAR RAF (130' OVRN) HOOK RHAG(B) (1450')

HOOK RHAG(B) (1240') J-BAR RAF (57' OVRN) →

RWY-17 L5,34,50 (6278x150 PEM)

L5,34,50 **RWY-35**

←J-BAR RAF (76' OVRN) HOOK RHAG(B) (910')

HOOK RHAG(B) (1425') J-BAR RAF (203' OVRN) →

SERVICE - JASU - 1(C1) 1(C3) 1(C5) 1(C6) 1(E1) 1(E3) 1(E4) 1(E5) 1(E7) 1(E10) 1(E11) 1(E12)
1(E15) **FUEL -** 100LL, A1+ **FLUID -** LOX LHOX OXRB **OIL -** 0-117-123-128-149

REMARKS - Opr HO (24 hr PPR). **RSTD -** Rpt LDA Rwy 05 10,528'; Rwy 23 10,202'; Rwy
17-35 6278'. **CAUTION -** Radiation haz wi 500' of Rwy 05-23. **CSTMS/IMG -** By arrg.

COMMUNICATIONS - ATIS - 275.725 **APP - (R) (E)** 130.0 233.85 **DIR -** 130.0 282.675

ZONE - (R) (E) 126.7 256.5 **TWR -** 130.75 338.475 **GND -** 130.75 262.95

NAVAIDS - BOSCOMBE DOWN TACAN - HA BDN CH 19 (200/60) N51°08.94' W1°45.16'
At Fld. 430/(A)4°00.0'W **VHF/UHF/DF**

ILS/RADAR - ➔ ILS - BRG 233° LCZR BD 111.7 GS 3°. **RADAR -** SEE TERMINAL FLIP FOR
RADAR MINIMA.

BOTN, IC NDB - MHW 387.000 NB N65°19.57' W18°17.62' 032° 20.8 NM to AKUREYRI. Unk/15°37.0'W **H-1A, L-1A**

BOTTROP, GM NDB - MHW 406.500 BOT N51°35.15' E7°01.38' Unk/0°12.0'E **H-6H, L-5B**

BOU CHEKIF, AG DAOB CIV N35°20.47' E1°27.79' 3245 UTC+1 **H-9C, L-13D** **RWY-08** L55 (9843x148 ASP T173 ST175 TT277) L55 **RWY-26**

SERVICE - FUEL - Avbl H24 (NC-A1)

REMARKS - Opr 0700-1500Z, OT PN 1300Z to DAOBYDYD. **CAUTION -** WIP vcnty Rwy
09-27.

COMMUNICATIONS - TIARET TWR - Opr 0600-1800Z. 118.1 119.7

NAVAIDS - TIARET VORW-DME - HA 116.300 TRB CH 110 (200/41) N35°20.87' E1°30.90'
261° 2.6 NM to Fld. 2902/0°38.0'W **TIARET NDB - MHW** 389.000 TRB N35°20.75'
E1°30.03' 261° 1.9 NM to Fld. Unk/0°36.0'W

BOULOGNE SUR MER, FR VORW - HA 113.800 BNE (070/50) N50°37.49' E1°54.43' Unk/(A)3°00.0'W **H-6F, L-4H**

BOURGES, FR LFLD CIV N47°03.48' E2°22.22' 529 UTC+1(+2DT) **H-7B, L-7C-8G** **RWY-06** L1,7,9,50 (5085x148 ASP S74 T88 ST112 TT148) L1,7,9,50 **RWY-24** ←4659

SERVICE - FUEL - Avbl 0700-1730Z++, OT PPR before 1600Z++ Mon-Fri; 0700-1130Z++,
1230-1730Z++, OT PPR the Fri or the last bus day prior to 1600Z++ for Sat, Sun and hol.
(NC-100LL, A1)

REMARKS - CSTMS/IMG - O/R 24 hr PN.

COMMUNICATIONS - INFO - 119.6 **REMARKS:** Opr 0700-1730Z++ PPR for possible extrn
Mon-Fri; PPR the Fri or last bus day before 1100Z++ for Sat, Sun and hol.

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BOURNEMOUTH, UK EGHH CIV N50°46.80' W1°50.55' 38 UTC 0(+1DT)

H-6F, L-4F

RWY-08 L5,24,50

(7451x151 ASP PCN 46 F/A/X/U)

L5,33,50 **RWY-26**

6068→

SERVICE - AOE **FUEL** - A1(Exxon Mobil Avn) **OIL** - O-117-123-128

REMARKS - Opr 0630-2130Z++, OT by arng. **RSTD** - PPR for lgt acft. **CAUTION** - Rwy 08-26 - B747 or A340 acft may use the rwy by prior arng only. **MISC** - All visiting acft intending to prk on main aprn will be subj to mand handling with PN.

COMMUNICATIONS - **ATIS** - Opr 0720-2020Z++ 121.95 **APP** - Opr 0730-2100Z++ (R) 119.475 **TWR** - 125.6 **GND** - Opr 1000-1700Z++ 121.7

ILS/RADAR - ➔**ILS-DME** - BRG 078° LCZR I-BMH 110.5 CH 42 GS 3° ➔**ILS-DME** - BRG 258° LCZR I-BH 110.5 CH 42 GS 3° ■ **RADAR** - ASR - 119.475 118.65x. Opr 0630-2130Z++.

BOURSCHEID, FR LFQP MIL N48°45.98' E7°12.03' 1017 UTC+1(+2DT) **H-6H, L-6G**

RWY-06 L3

(7205x148 ASP

L3 **RWY-24**

S83 T101 ST129 TT192)

SERVICE - **LGT** - Bcn O/R. TD pt lgt Rwy 06, 24. **FUEL** - A1+. **OIL** - O-155

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1130Z++ Fri, O/R before 1100Z++ prev working day for Sat, Sun and hol. **RSTD** - Arpt rstd to copter. PPR. Fone C03.87.25.23.25. Rpt PPR Nr in FPL item 18. Overflight below 1000' AGL proh. NORDO proh.

COMMUNICATIONS - Opr HO Mon-Fri. Hrs announced on freq 128.75. **ATIS** - 141.05

PHALSBOURG APP - (R) (V) 128.75 387.525 **PHALSBOURG TWR** - 129.8 277.175

PHALSBOURG GND - 139.6

NAVAIDS - VHF/DF

ILS/RADAR - ➔**ILS-DME** - BRG 237° LCZR PB 110.15 CH 38(Y) GS 3° LCTR PHG 424. ■

RADAR - ASR - Call RADAR 128.75x 387.525x. PAR - Call GCA 387.525

BOURSONNE, FR VORW-DME - HA 114.850 BSN CH 95(Y) N49°11.30' E3°03.39'

476/0°52.0'W **H-6G, L-7D**

BOU SAADA, AG DAAD CIV N35°19.95' E4°12.38' 1506 UTC+1 **H-9C, L-13D-14E**

RWY-04

(7218x98 ASP SWL17)

RWY-22

REMARKS - Opr 0700-1600Z Sat-Thu. **RSTD** - Arpt clsd to public air tfc UFN.

COMMUNICATIONS - **TWR** - 118.1

NAVAIDS - **BOU SAADA VORW-DME** - HA 115.900 BSA CH 106 (200/50) N35°30.92'

E4°24.10' 221° 14.5 NM to Fld. 1328/0°01.7'E **BOU SAADA NDB** - HW 335.000 BSA

N35°21.03' E4°13.50' 221° 1.4 NM to Fld. Unk/0°00.7'W

BOUTHEON, FR LFMH CIV N45°32.43' E4°17.78' 1325 UTC+1(+2DT) **H-7B, L-8H**

RWY-18 L1,5,27,50

(7546x148 ASP PCN 44 F/C/W/T)

L1,5,9,50 **RWY-36**

6562→

←6988

SERVICE - AOE **LGT** - PAPI Rwy 18 MEHT 46', PAPI Rwy 36 GS 3.8° MEHT 46'. PCL on twr freq. **FUEL** - Avbl 0615-1930Z++ Mon-Fri; OT PN before 0900Z++ prev work day. (NC-100LL, A1)

REMARKS - Opr 0430-2030Z++ Mon-Fri; 0830-1800Z++ Sat, Sun and hol. OT PN 48 hr (IFR only); Sat, Sun and hol PN the preceding Fri before 1600Z++. **RSTD** - Ngt VFR proh to Rwy 36.

COMMUNICATIONS - **SAINT ETIENNE ATIS** - 132.8 **SAINT ETIENNE APP** - 118.65 119.26 **SAINT ETIENNE TWR** - 118.65 119.25

NAVAIDS - VHF/DF

ILS/RADAR - ➔**ILS** - BRG 178° LCZR EB 110.35 GS 3° LCTR EB 379

BOVINGDON, UK ABVOR-DME - HA 113.750 BNN CH 84(Y) (060/25) N51°43.57'

W0°32.98' 500/(A)4°00.0'W ATIS bcst for Heathrow 0500-2300Z++. **H-6F**

BOZHOURISTE, BU NDB - HHW 312.000 BOZ N42°46.50' E23°11.50' 117° 10.6 NM to SOFIA. Unk/3°40.1'E **H-4F, L-12G**

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BRAC, HR **LDSB** CIV N43°17.14' E16°40.78' 1776 UTC+1(+2DT) **L-12F**
RWY-04 L34,50,55 (4724x98 ASP PCN 39 F/A/Y/U) L34,50,55 **RWY-22**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0730-2100Z++. **CSTMS/AG/IMG** - Avbl.
COMMUNICATIONS - APP - Upon NOTAM 118.025 **TWR** - Upon NOTAM 118.025
SPLIT RDR - H24 120.875 125.3 120.55

BRAGA, PO **LPBR** CIV N41°35.22' W8°26.71' 247 UTC 0(+1DT) **L-11A**
(B) **RWY-07** L50 (3117x82 ASP SWL16) L50 **RWY-25**
2625→
SERVICE - LGT - ABn, green coded BR. All lgt are O/S. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0900-1230Z, 1400Z-SS; (0800-2000Z sum). **CAUTION** - Carry out apch and
ldg pat lt of Rwy 07 and rgt of Rwy 25. Prcht act (Gnd-10,500' MSL) Sat, Sun, hol.
COMMUNICATIONS - AFIS - Call RADIO. Opr SR-SS. 122.0

BRAGANCA, PO **LPBG** CIV N41°51.47' W6°42.43' 2241 UTC 0(+1DT) **H-3A, L-11A**
(B) **RWY-02** L7,10,50 (5600x98 ASP S60) L7,50 **RWY-20**
5390→ ←5420
SERVICE - LGT - ABn, green coded BRG. **FUEL** - (NC-100LL, A1)
REMARKS - Opr SR-SS. Aft SS, may be extn to 2359Z++ with prior apvl of arpt director.
COMMUNICATIONS - RDO - Opr HO. AFIS O/R. 122.3
NAVAIDS - BRAGANCA NDB - HHW 358.000 BRG N41°47.80' W6°43.52' 016° 3.8 NM
to Fld. 2241/3°23.0'W

BRANCHES, FR **LFLA** CIV N47°51.01' E3°29.83' 523 UTC+1(+2DT) **H-6G-7B, L-7D**
RWY-01 L1,7,9,50 (5413x98 ASP PCN 28 F/C/W/U) L1,7,9,43,50 **RWY-19**
5020→
SERVICE - LGT - PAPI Rwy 01 MEHT 48', PAPI Rwy 19 METH 47'. PCL with PPR from INFO.
FUEL - Avbl 0800-1100Z++, 1300-1700Z++ Mon-Sat. (NC-100LL, A1)
REMARKS - Opr 0700-1800Z++ Mon-Fri; 0700-1100Z++, 1300-1800Z++ Sat.
CSTMS/AG/IMG - CSTMS avbl O/R with 4 hr PN.
COMMUNICATIONS - AUXERRE INFO - 129.8
ILS/RADAR - ➔**ILS-DME** - BRG 189° LCZR AX 109.95 CH 36(Y) GS 3° LCTR AX 417

BRANDBU, NO **DVORW-DME** - HA 112.750 BBU CH 74(Y) N60°28.31' E10°20.33'
2148/(A)1°00.0'W **H-2G, L-1C**

BRANDENBURG BRIEST, GM **EDUB** PVT N52°26.31' E12°27.50' 103
UTC+1(+2DT) **L-5D**
RWY-07 (4918x98 CON) **RWY-25**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr PPR
COMMUNICATIONS - BERLIN INFO - 126.35 **BRIEST INFO** - 130.125 15 NM GND TO
3000FT.

BRASOV, RO **DVORW-DME** - HA 117.600 BRV CH 123 N45°34.05' E25°33.88'
5866/(A)3°50.7'E
BRV DVOR unuse 255°-290°
H-4F, L-10I

BRATISLAVA ACC/FIC, LO **LZBB** (CIV) (V) **RADAR/CON - Sctr EAST - 127.425**
127.425 **129.275** 129.275 **Sctr WEST - 134.725** 134.725 **134.475** 134.475 **125.965**
125.965 **132.355** 132.355 **317.05** 317.05 **122.23** 122.23 **387.65** 387.65 **Sctr FIS**
(INFO) - 124.3 **H-4E,F-6J-8G, L-10F,G-22E,F,G**

AIRPORT/FACILITY DIRECTORY B-77

BRATTA, NO **NDB** - HW 336.000 BTA N60°02.94' E5°18.03' 353° 14.9 NM to FLESLAND.
157/1°14.5'W **H-2F, L-1B**

BRAUNSCHWEIG WOLFSBURG, GM **EDVE** CIV N52°19.15' E10°33.37'

295 UTC+1(+2DT) **H-5D, L-5C**
(B) **RWY-08** L5,9,39,50 (5512x98 ASP PCN 52 F/B/X/T) L2,5,9,23,50 **RWY-26**
4528→ ←4921
RWY-08R (2953x98 GRS AUW44) **RWY-26L**

SERVICE - LGT - PAPI Rwy 26 GS 3.5°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0600-2100Z Mon-Fri; 0700-1645Z Sat, Sun, hol; O/T PPR. (0500-2000Z Mon-Fri; 0600-1900Z Sat, Sun, hol; O/T PPR DT). **RSTD** - Avoid ovft residential areas. Rwy 08 TODA 4921'. Non-coml flt ops with acft up to 4,409 lbs max take-off mass and pwr gldr are rstd dur Sat, Sun, hol 1200-1400Z++. **CAUTION** - Ints gldr act Mar-Oct. Obst 15' E, SW, NW of arpt. **CSTMS/IMG** - Avbl O/R, fone C(0531) 35-0007. **MISC** - Fone C(0531) 35 00 07. Class D Airspace eff 0600-2100Z++ Mon-Fri exc hol; 0700-1645Z++ Sat, Sun, hol 1 Nov-15 Mar; OT Class E.

COMMUNICATIONS - BREMEN RADAR - H24 (E) 131.325 **TWR** - Opr 0600-2100Z++ Mon-Fri exc hol. 119.35 369.025 **BREMEN INFO** - H24 119.825 **INFO** - Opr wkend and hol dur arpt hr. 119.35 25 NM 4000 ft AGL

NAVAIDS - BRAUNSCHWEIG NDB - MHW 427.000 BRU N52°19.33' E10°36.37' 264° 1.9 NM to Fld. Unk/1°19.4'E **VHF/DF**

ILS/RADAR - ➔**ILS** - BRG 264° LCZR BWG 108.5 GS 3.5° LCTR BRU 427

BRAVALLA, (NORRKOPING) SW **ESCK** MIL N58°36.65' E16°06.22' 90 UTC+1(+2DT)
H-2G, L-2F

RWY-15 (7384x125 ASP) **RWY-33**

REMARKS - Opr by MIL NOTAM thru Ronneby (ESDF). **MISC** - Base unit fone C+46 (0)11 31 25 28. Ronneby ctc fone C+46(0)457 720 00.

COMMUNICATIONS - OSTGOTA APP - Opr 0455-2300Z++ Mon-Fri, 0530-2230Z++ Sat, 0530-2300Z++ Sun and hol. (R) 132.95 (Svc reduced or clsd hol and day before.)
INFO - (V) 130.3 123.3

BRAY, FR **LFAQ** CIV N49°58.29' E2°41.86' 364 UTC+1(+2DT) **L-7D**

RWY-09 (3838x82 ASP S42) **RWY-27**
3215→ ←3018

REMARKS - Opr HX.

BRAY SUR SEINE, FR **VORW-DME** - HA 114.100 BRY CH 88 (060/50) N48°24.42' E3°17.69' 258/(A)2°0.0'W (100/50 in sctr 045°-135°) **H-6G, L-7D**

BRECON, UK **VORW-DME** - HA 117.450 BCN CH 121(Y) (065/50) N51°43.53' W3°15.78' 1450/(A)4°00.0'W (125/50 in sctr 138° -003°) **H-3C, L-4F**

BREIDAVAD, IC **NDB** - MHW 382.000 BR N65°19.97' W14°22.35' 208° 3.1 NM to EGILSSTADIR. Unk/13°17.2'W **H-1A, L-1A**

BREITENAU, GM See BAMBERG AAF

BREMEN ACC/FIS, GM **EDWW** (CIV) **RADAR/CON** - (R) (E) 118.05 118.15 123.925 124.225 124.075 124.65 124.8 125.025 125.35 125.65 125.85 126.65 127.675 131.325 133.725 134.25 136.225 242.4 259.55 259.725 283.95 284.4 313.225 336.45 337.95 362.3 372.3 372.55 377.475 **Altn freq for all** 133.725 **BREMEN MONITOR** - (369.0 EDR 201N) (375.025 EDR 201S) (280.7 EDR202) **INFO** - (E) N Sector of FIR 125.1 340.6, S Sector of FIR 119.825 376.4 **HAMBURG DIRECTOR** - 118.2 124.625 299.85 **HANNOVER DIRECTOR** - 119.6 259.725 **L-2E, F-3D-5B, C, D**

B-78 AIRPORT/FACILITY DIRECTORY

BREMEN, (NEUENLANDERFELD) GM **EDDW** CIV N53°02.85' E8°47.20' 14
UTC+1(+2DT) **H-5C, L-5C**

(B) **RWY-05** (2297x75 ASP) **RWY-23**
RWY-09 L2,3,4,5,9,36,50 (6693x148 ASP PCN 80 F/B/X/T) L2,3,4,5,9,36,50 **RWY-27**

SERVICE - AOE **FUEL** - Opr 0400-2200Z++ (NC-100LL, A1)

REMARKS - Opr 0500Z++ Mon til 2230Z++ Sat, 0500-2230Z++ Sun. **RSTD** - No ldg or tkof on Rwy 05. **NS ABTMT** - Tkof and ldg proh btn 2100-0600Z++. Exceptions are emerg, use as altn and disaster/medical assistance msn. Repeated successive apch and dep by same acft for trng and ck purposes proh fr 2000-2130Z++ Mon-Fri, 1200Z++ Sat to 0530Z++ Mon. Trng and ck flt proh 2130-0530Z++. Copter trng and ck flt proh 1200-1400Z++, 1700-0700Z++. Jet acft use reverse thrust only as nec for safety. **CSTMS/IMG** - Opr 0530-2200Z++, OT PPR. **MISC** - Class D Airspace eff 0445Z++ Mon-2300Z++ Sat, 0445-2300Z++ Sun, OT Class G. Fone C(0421)5595-242 or 243.

COMMUNICATIONS - **ATIS** - Opr 0500-2300Z++ 117.45 60NM/FL200 **RADAR** - (R) (E) 124.8 136.275 336.45 377.525 (136.275 377.525 SR-30-SS+30 25NM/FL100)

TWR - (E) 118.5 134.825 378.35 25NM/4000' **GND** - (E) 121.75 **INFO** - (E) 125.1 340.6

NAVAIDS - **BREMEN VORW-DME** - HA 117.450 BMN CH 121(Y) (060/25) N53°02.64' E8°46.93' At Fld. 40/(A)0°00.0'E ATIS bcst opr 0500-2300Z++. **VHF/DF**
BMN VOR-DME unuse 271° byd 20 NM blw 3000'
271° byd 37 NM blw 5000'
271° byd 50 NM blw 7000'

ILS/RADAR - ➔ **ILS** - BRG 087° LCZR IBRE 110.3 GS 3°. ➔ **ILS** - BRG 267° LCZR IBRW 110.9 GS 3°.

BREMERHAVEN, (BREMERHAVEN AM LUNEORT) GM **EDWB** CIV
N53°30.42' E8°34.37' 11 UTC+1(+2DT) **L-5B**

(B) **RWY-07** (2160x61 ASP AUW 6.5) **RWY-25**
2045→ ←1996
RWY-16 L5,38,50 (3937x98 ASP AUW 30.8) L5,38,50 **RWY-34**
←3658

SERVICE - **LGT** - PAPI Rwy 16/34 GS 3.5°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1900Z++, O/T PPR. **RSTD** - TODA Rwy 07 1996', Rwy 25 2045'. Copter max AUW 26.4. **CAUTION** - PJE. Avoid Blexen glldr site N of rwy. **CSTMS/AG/IMG** - O/R 1 hr PN. **MISC** - Fone C0471 9723412; outside opr hr fone C0170 8561886.

COMMUNICATIONS - **BREMEN INFO** - 125.1 **INFO** - 129.05

NAVAIDS - **VHF/DF**

BREMGARTEN, GM **EDTG** PVT N47°54.19' E7°37.07' 695 UTC+1(+2DT) **H-6H, L-6G**
RWY-05 (5413x148 ASP AUW44) **RWY-23**
RWY-05R (1969x98 GRS) **RWY-23L**

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0830Z-SS+30 Mon-Fri, (0730Z-1800Z/SS+30 DT); No dep 1130-1300Z++Sat, Sun and hol. **CAUTION** - Copter, glldr, ultralgt and PJE act. **MISC** - Sod glldr strip S of ASP rwy.

COMMUNICATIONS - **LANGEN INFO** - 128.95 **INFO** - 122.0 15 NM 3000 ft AGL.

BREMSNES, NO **NDB** - HW 371.000 BRS N63°05.09' E7°38.87' Unk/0°22.6'W
H-2F, L-1C

BRENOUX, FR **LFNB** CIV N44°30.13' E3°31.97' 3362 UTC+1(+2DT) **L-8G-11C**
RWY-13 L7,9,50 (4265x98 ASP S23) L7,50 **RWY-31**
3625→ ←3445

SERVICE - **LGT** - PAPI Rwy 13 GS 4° MEHT 21', PAPI Rwy 31 GS 4.2° MEHT 33'. **FUEL** - (NC-100LL)

REMARKS - Opr 1100-1200Z, 1300-1730Z Thu-Mon (1000-1100Z, 1300-1730Z Thu-Mon sum).

COMMUNICATIONS - **MEUDE INFO** - 119.6

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ILS/RADAR - ➔LOC-DME - BRG 128° LCZR MD 111.9 CH 56.

BRESSO, (MILANO BRESSO) IT **LIMB** CIV N45°32.53' E9°12.20' 484 UTC+1(+2DT) **L-9B**
RWY-18 (3543x98 ASP SWL11) **RWY-36**

REMARKS - Opr SR-30 - SS+30. Arpt clsd 12-18 Aug and natl hol. **RSTD** - VFR act for lcl actf only, other actf PPR C+39 02 6101625.

COMMUNICATIONS - **RDO** - 122.0

BREST ACC/FIC, FR **LFRR** (CIV) **(R) (V) CON-AS Sctr** -124.675, **GS Sctr** -119.025, **ID Sctr** -125.5, **IN Sctr** -118.35, **OS Sctr** -129.5, **FIS** - (Avbl 0630-1830Z 1 May-31 Aug. 0800Z++ - SS+30 but not later than 1900Z++ 1 Sep-30 Apr). **NORTH INFO** - 134.2 127.2, **SOUTH INFO** - 122.8 127.2 **L-4E,F,G -7A,B,C -8E,F**

BREST ATCC, FR See FRANCE ACC

BREST LOPERHET ATLANTIC NAVY COORDINAT, FR **ATC** -
Opr 0630-1630Z++ Mon-Fri, OT O/R 1 hr PN. Call ARMOR - (Coord for LFD5, LFD7, LFD12 NORTH-SOUTH-GLOBAL, LFD14, LFD15A-B, LFD16A-C-D-E, LFD18A-B-D, LFD214, and LFR146A-B, LFR154 and LFR157.) 124.725 234.25 264.725 5708 3107. **TEST AND CERTIFICATION FLIGHT COORDINATION CENTER** - Opr 1000-2000Z++ Mon-Fri. Call Test - 389.7

BREST UACC, FR **LFRR** (CIV) **CON - AS Sctr** -124.675 124.775, **AU Sctr** -132.025 124.775, **GS Sctr** -119.025 124.775, **GU Sctr** -131.28 124.775 371.4, **ID Sctr** -125.5 136.0, **IN Sctr** -118.35 124.775, **JS Sctr** -132.765 136.0 342.2 370.6, **JU Sctr** -132.51 136.0 315.45 388.6, **NI Sctr** -134.24 124.775 371.85, **NS Sctr** -127.86 124.775 371.85, **NU Sctr** -132.19 124.775 371.85, **OU Sctr** -135.26 136.0 342.2 370.6, **OS Sctr** -129.5 136.0, **QS Sctr** -133.48 136.0 342.2 370.6, **QU Sctr** -133.615 136.0 342.2 370.6, **XI Sctr** -133.635 134.335 314.5 344.85, **XS Sctr** -125.965 134.335 314.5 344.85, **XU Sctr** -133.24 134.335 314.5 344.85, **ZI Sctr** -118.885 134.335 314.5 344.85, **ZS Sctr** -132.21 134.335 314.5 344.85, **ZU Sctr** -132.83 134.335 314.5 344.85 **H-6F-7A**

BREZA, HR **NDB** - HHW 400.000 BRZ N45°25.42' E14°20.72' 142° 15.6 NM to RIJEKA.
Unk/2°14.6'E (50NM-W) **H-4E-7D, L-9D-10E**

BREZANY, EZ **NDB** - MHW 333.000 VO N50°12.66' E14°25.71' 283° 1.3 NM to VODOCHODY. Unk/2°25.0'E **H-6I, L-6J, T-1A**

BRICY, FR **LFOJ** MIL N47°59.27' E1°45.63' 412 UTC+1(+2DT) **H-6F-7A, L-7C**
(B) **RWY-07** L5,9,43 (7887x148 ASP S60 T88 ST112 TT166) L5,9,24,43 **RWY-25**

SERVICE - **LGT** - VASI Rwy 07-25 GS 2.5° . **FUEL** - Avbl 0600-2200Z++ Mon-Thu, 0600-2100Z++ Fri. OT O/R prior to 1400Z++ prev bus day. (NC- A1+) **FLUID** - LHOX OXRB **OIL** - O-156

REMARKS - Opr 0800-1700Z++ Mon-Thu, 0800-1500Z++ Fri. O/R prior to 1600Z++ Fri for Sat, Sun and hol. **RSTD** - PPR fr Flight Director before 1400Z Mon-Thu, 1300Z Fri, fone C02 98 23 30 07. **NORDO** proh. **CSTMS/IMG** - CSTMS avbl PPR.

COMMUNICATIONS - **APP** - **(R) (U)** 122.7 138.75 142.45 362.3 373.575 **TWR** - 122.1 124.8 257.8 369.625 **GND** - 122.1

NAVAIDS - **ORLEANS TACAN** - HA OAN CH 111 (040/50) N47°59.37' E1°45.57' At Fid. 402/1°11.0'W **ORLEANS NDB** - MHW 385.000 OAN N48°00.07' E1°46.12' At Fid. Unk/1°10.9'W **UHF/DF**

ILS/RADAR - ➔**ILS** - BRG 251° LCZR OAN 111.3 GS 2.5° ■ **RADAR** - ASR - Call RADAR - 142.45 251.175 280.475 373.575 362.3. MP 0700-1100Z++ Thu. PAR - Call GCA - 138.75 139.4 (123.3 Civ) 265.9 336.1. MP 0700-1100Z++ Mon.

BRIE CHAMPNIERS, FR **LFBU** CIV N45°43.75' E0°13.29' 436 UTC+1(+2DT)
H-7A, L-8F
RWY-10 L5,9,50 (5938x148 ASP PCN 40 F/C/W/T) L5,27 **RWY-28**
SERVICE - **FUEL** - (NC-100LL, A1)

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REMARKS - Opr 0500-1730Z++, 2015-2100Z++ Mon-Fri exc hol. **RSTD** - NORDO proh.
CSTMS/IMG - Avbl O/R.
COMMUNICATIONS - ANGOULEME INFO - Opr 0500-1130Z++1230-1700Z++,
2000-2115Z++ Mon-Fri exc hol. OT O/R. 118.2
NAVAIDS - VHF/DF
ILS/RADAR - ➔**ILS-DME** - BRG 278° LCZR AM 109.35 CH 30(Y) GS 3° LCTR AGO 404.

BRIENNE LE CHATEAU, FR LFFN CIV N48°25.79' E4°28.93' 381 UTC+1(+2DT)
H-6G, L-6F-7D
RWY-10 (8038x148 CON S41 T62 TT138) **RWY-28**
←6726
SERVICE - FUEL - Avbl SR-SS. (NC-100LL)
REMARKS - Opr HX.

BRINDISI ACC/FIC, IT LIBB (ItAF/CIV) **RADAR - (R) (V)** 124.75 132.3 132.45 (Opr 0645-1515Z++ Mon-Thu, 0645-1045Z++ Fri, OT ATC discretion) **CON - (E) 134.68** NW UIR/FIR **LOW** - 124.75 **HIGH - 134.38 132.455** (ATC discretion - 123.95 128.3 132.075 136.1 378.425 339.875 338.275) **INFO - (V)** 131.2 **BRINDISI MILITARY** - 129.775 277.875 (N of 40° parl) 139.4 264.85 (S of 41° parl) (ATC Opr 0700-1900Z++ Mon-Fri, OT by NOTAM) **H-7D-15C, L-12F**

BRINDISI, IT VORTACW - HA 113.200 BRD CH 79 (200/60) N40°36.65' E18°00.17' 315° 3.8 NM to CASALE. 85/(A)2°0.0'E MP 0700-0900Z++ 1st and 3rd Thu. **NDB/LOM** - MHW 363.500 BRD N40°36.33' E18°00.53' 315° 4.2 NM to CASALE. Unk/2°40.7'E MP 0900-1100Z++ 1st and 3rd Fri.
BRD TACAN MRA at 40 NM 240°-300° 3500'
300°-240° 2500'
BRD VOR MRA at 40 NM 230°-300° 3500'
300°-230° 2500'
BRD NDB MRA 070°-240° MRA 2000' at 50 NM
240°-280° MRA 2500' at 50 NM
280°-070° MRA 1500' at 50 NM
340°-150° not ck byd FIR
H-15C, L-12F

BRINDISI CASALE, IT See CASALE

BRISTOL, UK EGGD CIV N51°22.96' W2°43.15' 622 UTC 0(+1DT) **H-3C, L-4F**
RWY-09 L4,5,23,50 (6598x151 ASP PCN 51 F/C/W/T) L3,4,5,23,50 **RWY-27**
←6155

SERVICE - AOE FUEL - Avbl 0500-2330Z and by arng (0430-0100Z Mon-Fri, 0500-0100Z Sat, 0500-2300Z Sun and by arng sum) 100LL. 0800-2000Z++ (NC -100LL, A1).
REMARKS - RSTD - Rpt LDA Rwy 09 6358'. **CAUTION** - Pilots may experience wind shear/turb, especially if the wind is strong Southeasterly (using Rwy 09) or strong Westerly (using Rwy 27). Bird haz. Hi-vis clothing must be worn on the aprn and maneuvering area at all times. **CSTMS/AG/IMG** - Avbl 0700-2200Z Mon-Fri, O/R Sat and Sun btn 1 Nov-30 Apr; (H24 btn 1 May-31 Oct).

COMMUNICATIONS - ATIS - 126.025 **TWR** - 133.85 **GND** - 121.925 **RDR** - 136.075 125.65
NAVAIDS - BRISTOL NDB - HW 414.000 BRI N51°22.89' W2°43.05' At Fld. Unk/3°14.8'W VHF/DF
ILS/RADAR - ➔**ILS-DME** - BRG 272° LCZR I-BTS 110.15 CH 38(Y) GS 3°. ➔**ILS-DME** - BRG 092° LCZR I-BON 110.15 CH 38(Y) GS 3°. GP unrel blw 200'. ■ **RADAR** - Call RADAR - 136.075

BRISTOL FILTON, UK EGTG PVT N51°31.17' W2°35.45' 226 UTC 0(+1DT)
H-3C, L-4F
RWY-09 L4,5,20,50 (8094x299 CON PCN 78 R/D/W/T) L4,5,33,50 **RWY-27**
7520→ ←7061
SERVICE - FUEL - (NC-100LL, A1)

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REMARKS - Opr 0700-2030Z++ Mon, 0645-2030Z++ Tue-Fri, 0900-1700Z++ Sat, 1000-1800Z++ Sun.

COMMUNICATIONS - **APP** - Mon-Fri same as arpt hrs (no wkends) (R) 122.725 127.95 341.325 **TWR** - Mon-Fri same as arpt hrs (no wkends) 132.35 243.05

NAVAIDS - **FILTON NDB** - MHW 325.000 OF N51°31.31' W2°35.41' At Fld. Unk/3°13.3'W **VHF/UHF/DF**

ILS/RADAR - **ILS-DME** - BRG 093° LCZR I-BRF 110.55 CH 42Y GS 3°. **ILS-DME** - BRG 273° LCZR I-FB 110.55 CH 42Y GS 3°. **RADAR** - 122.725 124.95x 265.125

BRIZE NORTON, UK EGVN MIL N51°45.00' W1°35.02' 288 UTC 0(+1DT)

H-3C-6F, L-4G

RWY-08 L45,24,50 (10007x184 ASP PCN 81 F/B/W/T) L45,24,50 **RWY-26**

BAK-14 RHAG(B) (4708')

SERVICE - **AOE** **LGT** - PAPI Rwy 08 MEHT 58', Rwy 26 MEHT 51'. **JASU** - 1(A4) 1(E5) 1(E12)1(E16) **FUEL** - A1+ **FLUID** - LHOX **OIL** - O-156

REMARKS - **RSTD** - 24 hr PPR.

COMMUNICATIONS - **ATIS** - 259.0 **APP** - (R) (E) 127.25 297.8 362.3X **CAC** - (R) (E) 124.275 389.575 **TWR** - (E) 123.72 379.75 257.8X **GND** - 121.725 396.85 **DIR** - 133.755 264.775 344.0X **OPS** - 130.075 386.825 **ZONE** - 119.0

NAVAIDS - **BRIZE NORTON TACAN** - HA BZN CH 56 (100/60) N51°44.89' W1°36.21' At Fld. 331/(A)4°00.0'W MP 1300-1700Z++1st Wed. **BRIZE NORTON NDB** - MHW 386.000 BZ N51°44.95' W1°36.10' At Fld. 288/2°52.7'W **VHF/UHF/DF**

ILS/RADAR - **ILS** SEE TERMINAL FLIP FOR ILS 26 DATA **ILS** - BRG 077° LCZR BZB 111.9 GS 3.2° **RADAR** - CALL TALKDOWN - 126.5 338.65 385.4X

BRNIK, SI See LJUBLJANA

BRNO, EZ VORW-DME - HA 113.900 BNO CH 86 (080/25) N49°09.00' E16°41.55'

At TURANY. 800/(A)1°00.0'E **NDB/LOM** - HHW 368.000 BNO N49°08.69' E16°46.11' 275° 2.9 NM to TURANY. Unk/2°57.6'E **H-4E-6J, L-22E**

BROMMA, (STOCKHOLM BROMMA) SW ESSB CIV N59°21.26' E17°56.50' 47

UTC+1(+2DT) **H-2G, L-2G**

RWY-12 L5,36,50 (5472x148 ASP PCN 25 F/B/X/T) L5,9,20,50 **RWY-30**

SERVICE - **LGT** - PAPI Rwy 12,30 GS 3.5°. **FUEL** - (NC-100LL, A1) **FLUID** - De-Ice

REMARKS - Opr 0600-2100Z++ Mon-Fri incl wknd hol, 0800-1600Z++ Sat, 0900-1900Z++ Sun, **RSTD** - Afd not avbl to acft over 110,230 lb max tkof wt. **CSTMS/IMG** - Avbl. **MISC** - Ldg fees. Increased charges outside opr hr. Rwy 12 TODA/ASDA 5801', Rwy 30 TODA/ASDA 5738'.

COMMUNICATIONS - **ATIS** - 122.45 **APP** - Call STOCKHOLM ARRIVAL (R) 120.15 123.3X **TWR** - (R) (V) 118.1 119.4 **GND** - Call for start-up and taxi, max 30 min PN. 121.6 **AFIS** - (V) 119.4 **REMARKS**: Avbl outside opr hr fone C+46(0)8 797 68 66; 2hr PN for opr 1600Z++ Sat-0730Z++ Sun on fone C+46 (0)734 40 70 50.

NAVAIDS - **BROMMA NDB/LOM** - MHW 322.000 OU N59°19.00' E18°02.80' 302° 3.9 NM to Fld. Unk/4°14.6'E **BROMMA NDB/LOM** - MHW 394.000 NB N59°24.05' E17°48.83' 123° 4.8 NM to Fld. Unk/4°09.6'E **NACKA NDB** - MHW 335.000 NAK N59°17.68' E18°10.71' 293° 8.1 NM to Fld. Unk/4°17.6'E **VHF/DF**

ILS/RADAR - **ILS** Rwy 12, 30 GS horiz coverage SW of either apch line is ltd to 4°. **RADAR** - ASR - Call Stockholm CON - 123.75. Opr O/R.

BRON, FR LFLY CIV N45°43.63' E4°56.66' 659 UTC+1(+2DT) H-7B, L-8H

RWY-16 L15,9,50 (5971x148 ASP) L15,9,34 **RWY-34**
4987→ S171 T231 ST175 TT439) ←4987

SERVICE - **AOE** **LGT** - PAPI Rwy 16 MEHT 25'. Use mand at ngnt. **FUEL** - (NC-100LL, A1) **OIL** - O-113-117-123

REMARKS - **CAUTION** - Lgtd cranes erected 200°, .8NM fr arpt, 801' MSL.

COMMUNICATIONS - **ATIS** - 128.125 **LYON APP** - 119.45 125.8 127.575 136.075 **TWR** - Opr 0530-2130Z++ Mon-Fri, 0700-2130Z++ Sat, 0700-2000Z++ Sun and hol. 118.1 **GND** - 121.85

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NAVAIDS - LYON/SAINT EXUPERY VORW-DME - HA 114.750 LSE CH 94(Y) (100/50)
N45°44.73' E5°05.43' 261° 6.2 NM to Fld. 821/(A)1°0.0'W (140/50 135°-255°)

ILS/RADAR - ➔ ILS-DME - BRG 346° LCZR LY 111.3 CH50 GS 3° LCTR BR 388 ➔ **LOC-DME** -
BRG 154° LCZR LBO 109.95 CH36(Y)

BRONNOY, (BRONNOYSUND BRONNOY) NO **ENBN** CIV N65°27.67' E12°13.05' 25
UTC+1(+2DT) **H-1C, L-1C**
RWY-04 L1,5,23,45 (3937x98 ASP PCN 15 F/C/X/U) L1,5,23,45 **RWY-22**
SERVICE - LGT - ACTIVATE-Apch, PVASI and rwy lgt both rwy, press trans for 5 sec on 119.6.
Cir guidance lgt to Rwy 22. All PVASI GS 4.5°. Do not use PVASI Rwy 04 outside 4 DME .
Rwy 22 apch lgt offset 12° N of cntrline. **FUEL** - Avbl 0500-2230Z++ Mon-Fri;
0500-0630++, 0800-1530Z++ Sat; 1000-1545++, 1745-2200Z++ Sun. (NC-100LL, A1)
REMARKS - CAUTION - Windshear/eddies may occur in wind 120° -250° abv 15 Kt.
COMMUNICATIONS - INFO - 0450-2140Z++ Mon-Fri, 0450-1540Z++ Sat, 0920-2215Z++
Sun. (V) 119.6
NAVAIDS - BRONNOY VORW-DME - HA 115.300 BNN CH 100 N65°27.42' E12°12.86'
At Fld. 68/(A)0°00.0'E **VHF/DF**
ILS/RADAR - ➔ LOC-DME - BRG 039° LCZR BY 111.15 CH 48(Y)

BRONNOYSUND/BRONNOY, NO See BRONNOY

BROOKMANS PARK, UK **VORW-DME** - HA 117.500 BPK CH 122 (040/50)
N51°44.98' W0°06.40' 382/(A)4°00.0'W (80/50 in sctr 287°-002°) **H-6F, L-4G**,

BROUGH, UK **EGNB** PVT N53°43.18' W0°33.98' 12 UTC 0(+1DT) **L-3C**
RWY-06 (2070x59 GRS) **RWY-24**
1873→
RWY-12 (3458x98 ASP) **RWY-30**
2908→
REMARKS - Opr 1700Z++ - SS Mon-Fri; SR-SS Sat, Sun; hol by arng. **RSTD** - PPR.
COMMUNICATIONS - A/G - 130.55
NAVAIDS - BROUGH NDB - MHW 372.000 BV N53°43.52' W0°34.89' At Fld. 12/2°49.0'W
Opr 0830-1700Z++Mon-Fri.

BRUCK, AU **NDB** - MHW 408.000 BRK N48°03.78' E16°43.00' 293° 6.6 NM
to SCHWECHAT. 558/2°53.0'E MP 1300-1430Z++ 3rd Fri. **H-4E, L-10F**

BRUNKENDORF, GM **DVORW-DME** - HA 117.700 BKD CH 124 (080/50) N53°02.07'
E11°32.77' 92/(A)0°0.0'E **H-5D, L-5C**,

BRUNO, BE **DVOR-DME** - T 110.600 BUN CH 43 (040/25) N51°07.12' E4°50.52' 227°
18.8 NM to BRUSSELS NATL. 69/0°28.6'W Provides ATIS for Brussels Natl. **H-6G, L-5A**

BRUNSSUM AFCENT HELIPORT, NL **EH--/EH58** MIL
N50°56.63' E6°00.30' 426 UTC+1(+2DT)
(100x100 ASP)
REMARKS - RSTD - PPR 24 hr thru HQ (AFCENT) CROC DUTY OFFICER by fone C31(0)45
5262800. Only one tkof or ldg at the same time. Max pad cap is 5 copters. When more than
1 copter will land wi a 10 min period rqr wx min are: 1000' ceil, vis 2.6 NM. Lctn is wi CTLZ
ZUID-LIMBURG. Entry perms fr BEEK ATC is rqr. BEEK TWR 119.475 362.3; BEEK APP
123.975 371.675. If crossing Geilenkirchen CTLZ (arr/dep to the north) contact Frisbee
TWR 140.075 341.75. **CAUTION** - P-line 0.7 NM E; 2 twy 0.8 NM W. **CSTMS/IMG** -
CSTMS avbl. **MISC** - File thru AFCENT-CROC (MAASTRICHT).

BRUNTINGTHORPE, UK **EG--/EG74** PVT N52°29.22' W1°07.84' 467 UTC 0(+1DT)
L-3C, 4G, H-6F
RWY-06 (9842x197 ASP) **RWY-24**
8629→ ←8629
RWY-06R (2953x82 GRE) **RWY-24L**

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REMARKS - Opr strictly by PPR. **MISC** - Prim used by motor industry as a vehicle proving gnd.

COMMUNICATIONS - **RDO** - 122.825

BRUSSELS ACC, BE **EBBU** (CIV) **RADAR/CON** - (For svc abv FL 195 (FL 245 in High Sectors) see Maastricht UACC.) **SECTOR N LOW** - 128.8 265.0 **SECTOR N HOLDING**-126.975 **SECTOR W LOW**-131.1 265.0 **SECTOR WEST HOLDING** 125.775 **SECTOR W HIGH**-127.225 265.0 **SECTOR E LOW** - 128.2 265.0 **SECTOR E HOLDING** 129.575 **SECTOR E HIGH** - 128.45 265.0 **SECTOR S LOW** 125.0 265.0 **SECTOR S HIGH**-126.525 265.0 **SECTOR HULDENBERG** 128.2 **SECTOR LUXEMBOURG** 125.0 **INFO** - 126.9 **H-6G, H, L-4H-5A-6F, G-7D**

BRUSSELS NATL, (MELSBROEK) BE **EBBR/EBMB** CIV/ N50°54.08' E4°29.07' 184 UTC+1(+2DT) **H-6G, L-5A**

RWY-02 L3,4,5,9,10,50 (9800x164 ASP PCN 59 F/A/W/T) L4,5,9,10,50 **RWY-20**
9649→ ←9078
RWY-07L L4,5,9,50 (11936x148 CON PCN 80 F/A/W/T) L3,4,5,9,10,50 **RWY-25R**
10945→ ←11095
RWY-07R L4,5,9,50 (10535x148 ASP PCN 62 F/A/W/T) L2,3,4,5,9,10,50 **RWY-25L**
10135→

SERVICE - AOE **JASU** - 1(A1) 1(G-10) **FUEL** - Avbl 0730-1620Z++ Mon-Fri, aft 1620Z++ PPR; 0600-2100Z++ Sat, Sun and hol. A1 (Air BP C+32-2-751-780) 100LL **FLUID** - De-Ice WAI LHOX LOX **OIL** - O-133-147-149-156

REMARKS - **RSTD** - Proh 2200-0500Z++ to jets exceeding noise levels specified in ICAO Annex 16, Chapter 2, exc with prior perms fr arpt mgr. Mil acft ldg EBMB PPR 48 hr. Ldg/dep EBMB ctc Melsbroek OPS 15 min prior to ETA and 15 min aft ATD. Chgover fr Twn R3 to R4 only avbl for CAT C acft max wingspan of 118'. **CAUTION** - Extv arpt const UFN; cranes erected on lt side of Rwys 25R and 20. Ocnl false capture rpt, confirm validity of ILS capture. **NS ABTMT** - See AP/2. **RWY** - Rpt LDA - Rwys; 25L - 10535; 07L - 11089, 25R - 10951.

COMMUNICATIONS - **ABELAG UNICOM** - 130.55 **ATIS ARR** - 132.475 (VOR AFI 114.9)(VOR BUB 114.6)(VOR BUN 110.6)(VOR FLO 112.05)(VOR HUL 117.55)
ATIS DEP - 121.75 **APP** - (R) (E) 118.25 120.1 122.5 389.375 362.3 (118.25 S,W,N tfc, FL65 and abv)(120.1 E tfc)(122.5 389.375 362.3 cros Mil area) **TWR** - (V) 118.6 388.525 120.775 257.8 **GND** - 121.875 118.05 121.7 **DEP** - 126.625 **CLNC DEL** - 121.95
MELSBROEK OPS - 140.575 367.95 Mil

NAVAIDS - **BRUSSELS DVOR-DME** - HA 114.600 BUB CH 93 (100/50) N50°54.13' E4°32.28' 270° 2.0 NM to Fld. 187/(A)2°0.0'W **AFFLIGEM DVORW-DME** - HA 114.900 AFI CH 96 (040/25) N50°54.47' E4°08.33' 093° 13.1 NM to Fld. 284/(A)2°00.0'W 90/25 E
BRUNO DVOR-DME - T 110.600 BUN CH 43 (040/25) N51°07.12' E4°50.52' 227° 18.8 NM to Fld. 69/0°28.6'W Provides ATIS for Brussels Natl. **BRUSSELS NDB/LOM** - MHW 314.000 OZ N50°49.62' E4°28.02' 009° 4.5 NM to Fld. Unk/0°34.5'W
BRUSSELS NDB/LOM - MHW 293.000 OB N50°55.22' E4°36.98' 258° 5.1 NM to Fld. Unk/0°32.0'W **VHF/DF**

ILS/RADAR - **ILS ■ RADAR** - ASR - Call RADAR - (V) 120.1d - Call Final - Rwy 25R 129.725 Rwy 25L 127.575

BRUSSELS SOUTH, (CHARLEROI) BE **EBCI** CIV N50°27.55' E4°27.23' 614 UTC+1(+2DT) **H-6G, L-5A**

RWY-07 L4,5,9,20,50 (8366x148 ASP PCN 64 F/A/W/T) L2,4,5,9,11,50 **RWY-25**
6889→
UNK(B) (1476')

UNK(B) (1476')

SERVICE - AOE **FUEL** - (NC-100LL, A1) **OIL** - O-148

REMARKS - Opr 0530-2200Z++, OT O/R fone C00 32 71 251212 or fax C00 32 71 251291. **CAUTION** - Gldr act w/ Chaleroi TCA. ILS/LLZ IGC Rwy 25 110.9 - Full scale FLY-UP indications may not be maint when blw the GP and to the lt of the cntrline. **NS ABTMT** - All acft must comply with noise levels specified in ICAO Annex 16. Use of reverse thrust should be kept to a min.

COMMUNICATIONS - **ATIS** - Opr H24. 134.625 115.7 **CHARLEROI APP** - (R) (E) 133.125 119.7 257.8 370.875 **REMARKS**: (119.7 UNICOM) **CHARLEROI TWR** - (E) 121.3 257.8 **CHARLEROI GND** - 121.8

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NAVAIDS - GOSLY DVORW-DME - HA 115.700 GSY CH 104 (030/26) N50°27.23' E4°26.48'
At Fld. 654/0°32.9'W **CHARLEROI NDB/LOM** - MHW 323.000 ONC N50°29.37'
E4°33.32' 246° 4.3 NM to Fld. Unk/0°30.9'W (50 NM-W)
ILS/RADAR - ILS

BRUSTEM, BE See SINT TRUIDEN

BUCHEL, GM ETSB MIL N50°10.43' E7°03.80' 1568 UTC+1(+2DT) **H-6H, L-6G**
(B) **RWY-03** L2,5,24,50 (8225x148 ASP) L2,5,24,50 **RWY-21**
HOOK 44B-2D(B) (16' OVRN) HOOK 44B-2L(B) (1565')
HOOK 44B-2L(B) (1272') HOOK 44B-2D(B) (16' OVRN)
SERVICE - A-GEAR - Apch end engagement O/R 10 min PN. **JASU** - 1(GPE-160) **FUEL** -
J8 **FLUID** - LHOX LOX **OIL** - O-133-147-148-149-156
REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - Practice
apch proh fr 1130-1300Z++. **CAUTION** - Gldr act Sat, Sun and hol 0900Z++-SS up to
6000' 7 NM rad of arpt. **MISC** - Rwy sfc has anti-skid layer. Emerg ldg strip is main twy.
Fone C02678-940-0, extrn 2328; fax C02678-9402329.
COMMUNICATIONS - RHEIN CON - Opr 0630-2130Z++ Mon-Fri, OT O/R. (R) (E) 387.15
OAT **LANGEN CON - (R) (E)** 125.6 340.325 375.7 **TWR - (E)** 122.1 140.45 257.8 275.45
RADAR - (R) (E) 123.3 130.15X 139.25X 254.55 336.85 344.625 371.35 253.3X
NAVAIDS - BUCHEL TACAN - HA BUE CH 118 (050/30) N50°10.72' E7°04.17' At Fld.
1618/(A)0°00.0'E
ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

BUCKEBURG, GM ETHB MIL N52°16.71' E9°04.93' 230 UTC+1(+2DT)
VFR, H-5D, L-5C
(B) **RWY-08** L2,5,14,50 (6010x148 ASP) L2,5,24,50 **RWY-26**
5475→
SERVICE - AOE LGT - PAPI Rwy 08 GS 3.4°, PAPI Rwy 26 GS 3.2°. **JASU** - 1(G-10) **FUEL** -
J8 **OIL** - O-133-156
REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - PPR 24 hr for
RON. Practice apch proh Mon-Thu fr 1100-1300Z++ and aft 1900Z++. **CAUTION** - Gldr
act SR-SS wkends and hol, up to 3500'. **MISC** - Fone C05722-9680, extrn 3543.
COMMUNICATIONS - BREMEN RADAR - (R) (E) 131.325 259.725 **TWR - (E)** 42.4 122.1
140.4 257.8 341.25 387.75X **RADAR - (R) (E)** 123.3 124.5 139.2 340.25 389.45
NAVAIDS - BUCKEBURG NDB - MHW 368.000 BYC N52°17.47' E9°05.46' At Fld.
292/0°50.5'E
ILS/RADAR - ■ RADAR - GCA - Call RADAR - 123.3 124.5 139.2 340.25 389.45

BUCURESTI ACC/FIC, RO LRBB (CIV) (R) (V) RADAR/CON - Sctr ARGES -
121.175 124.975 126.725 123.9 abv FL 345, 124.25 124.25 124.975 124.975 126.725
126.725 123.9 123.9 blw FL 345 **Sctr BACAU - 127.9** 127.9 125.725 125.725 **Sctr**
BUDOP - 122.875 132.75 abv FL 345, 124.1 124.1 132.75 132.75 blw FL 345 **Sctr**
DANUB - 122.9 127.35 Sctr DINRO - 135.525 135.525 118.625 118.625 **Sctr KOMAN -**
124.525 124.975 126.725 123.9 abv FL 345, 119.075 119.075 124.975 124.975
126.725 126.725 123.9 123.9 **Sctr LOMOS - 126.075 124.975 126.725 123.9** abv FL
345, 129.75 129.75 124.975 124.975 126.725 126.725 123.9 123.9 **Sctr MOPUG -**
118.175 124.35 abv FL 345, 121.375 121.375 124.35 124.35 blw FL345 **Sctr NAPOC**
- 127.075 127.075 120.925 120.925 **Sctr NERDI - 122.025 125.15** abv FL 345, 125.15
125.15 blw FL 345 **Sctr SIRVA - 122.375** 122.375 122.725 122.725 **INFO - 129.4**
129.4 **H-4F,G-8H, L-10H,I,J-12G,H**

BUDAPEST ACC/FIC, HU LHCC (CIV) (R) (V) CON - North Sctr - 135.55 East Sctr-
126.5 South Sctr Lower - 133.2 South Sctr Upper - 135.2 West Sctr - 128.1 **INFO** - East
133.3 West 125.5. **H-4E, F, L-10E, F, G**

BUDAPEST, HU See FERIHEGY

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BUDEL, NL **EHBD** PVT N51°15.32' E5°36.08' 114 UTC+1(+2DT) **L-5A**

RWY-03L7 (3934x75 ASP)

L7,12,50 **RWY-21**

3770→

←3491

SERVICE - FUEL - (NC100LL, A1)

REMARKS - VFR flt: Dur uniform daylight period btn 0800-1900Z++, all flt PPR 1 hr, AD auth fone +31(0)495 69 79 49. Outside nml opr hr extra charge. IFR flt: Only outside uniform daylight period btn 0600-2200Z++. Flt after uniform daylight period apply perms before 1300Z++ same day. Flt before uniform daylight period apply perms before 1500Z++ prev day. AD auth accept bus and medical flt only. All flt PPR and extra charge. **CSTMS/IMG** - CSTMS avbl SR-SS, 1 hr PN.

COMMUNICATIONS - INFO - PPR aft opr hr 122.15 **RDO** - SR/SS 122.15

NAVAIDS - MAASTRICHT VORW-DME - HA 108.600 MAS CH 23 (040/25) N50°58.32'

E5°57.63' 323° 21.8 NM to Flt. 283/(A)1°00.0'W **KLEINE BROGEL TACAN** - L BBL CH 33 (040/25) N51°10.22' E5°27.98' 046° 7.2 NM to Flt. 180/0°16.4'W (35 NW-W)

EINDHOVEN TACAN - HA EHV CH 119 (040/25) N51°26.88' E5°22.50' 146° 14.4 NM to Flt. 81/(A)2°0.0'W **KLEINE BROGEL NDB** - MHW 431.000 ONT N51°12.80' E5°33.45' 034° 3.0 NM to Flt. Unk/0°14.8'W **THORN NDB** - MHW 434.000 THN N51°11.00' E5°50.00' 297° 9.8 NM to Flt. 87/0°09.1'W **EINDHOVEN NDB** - MHW 397.000 EHN N51°28.07' E5°23.70' 150° 14.9 NM to Flt. 59/0°19.3'W

BUDINGEN AHP, GM **ETEP** A N50°17.12' E9°05.40' (32UNA0641270354) 427

UTC+1(+2DT) **VFR, L-6H**

(B) (36x36 ASP UH1)

SERVICE - JASU - AGPU for acft start avbl unless unit is deployed. **FUEL** - Avbl 24 hr PPR. (NC-J8)

REMARKS - Opr 0600-2300Z++ Mon-Fri. 01 Jun-31 Aug opr 0500-2400Z++ Mon-Fri. Clsd US and GM hol. For other times (exc when flying NVGs) ctc Base OPS. Fone DSN 321-4427, C 06042-80-427 or DSN 321-4427 (Hanau AAF). To reserve rtes in Iron Eagle HFCA fone Hanau AAF OPS DSN 322-7611 or C06183-51-611. **RSTD** - Mand flt flw dur opr in Iron Eagle HFCA. Tran trng flt at AHP proh. No trng flt on GM hol. PPR acft RON. **CAUTION** - Lgtd TV twr 300' AGL 1.5 NM E. Lo level NVG trng Mon-Fri, SS til closing. Pilots must mnt advsy freq. **TFC PAT** - Mand pro, see VFR ARR/DEP RTE-EUROPE. **MISC** - Fence along fld bdry. Wx fcst avbl fr Hanau AAF 0600-2000Z++ Mon-Thu, 0600-1600Z++ Fri. ETS 322-7416.

COMMUNICATIONS - § **PMSV METRO** - 141.3 **A/G ADVSY** - 37.4 138.45 388.75

BUDISAVCI, YI **VORW-DME** - HA 115.200 BUI CH 99 N42°37.98' E20°29.75'

1575/(A)2°00.0'E **H-4F, L-12G**

BUGAC, HU **VORW-DME** - HA 113.400 BUG CH 81 N46°40.66' E19°40.90'

404/(A)3°00.0'E **NDB** - HHW 430.000 BUG N46°40.65' E19°40.94' Unk/3°25.2'E **H-4F, L-10F**

BUHASA, AE **NDB** - MHW 309.000 BH N23°37.00' E53°23.00' Unk/1°27.4'E

H-14G, L-20H

BUOCHS, (BUOCHS STANS) SZ **LSMU/LSZC** MIL/CIV N46°58.49' E8°23.95' 1475

UTC+1(+2DT) **H-7C, L-9B**

RWY-07L L7,17,50

(6561x130 ASP)

L7,12,50 **RWY-25R**

HOOK UNK (1546') J-BAR UNK (80' OVRN) →

RWY-07R

(4921x130 ASP)

RWY-25L

SERVICE - LGT - PAPI Rwy 07L, 25R GS 4.0°.

REMARKS - Opr 0630-1105Z++, 1210-1605Z++ Mon-Fri. OT O/R. **RSTD** - PPR.

CAUTION - Hi conveyor cables N and S of arpt. **CSTMS/IMG** - O/R preceding day before 1300Z++. Unavbl for arr on Sat-Sun. CSTMS lctd in Luzern. **MISC** - OPS outside of ATC hr rqr special pro to opr barrier sys and rwy lgt. **RWY** 07L-25R, avbl jet aircraft only when A-G up. Rwy 07R-25L, addn TORA avbl.

COMMUNICATIONS - TWR - 119.625 370.175 **ARR/DEP - (R)** 140.65 143.05 337.925 358.825 **INFO** - 138.05 268.35

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ILS/RADAR - RADAR - ASR/PAR - Call ARR - 140.65 143.05 337.925 358.825.

BUOCHS STANS, SZ See BUOCHS

BURAYMI WEST, AE See AL AIN INTL

BURG FEUERSTEIN, GM EDQE CIV N49°47.63' E11°07.99' 1674 UTC+1(+2DT)

L-6H
RWY-08 (3190x49 ASP) RWY-26
2895→
RWY-08L (2317x85 GRS) RWY-26R

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr 0800-1600Z++ -SS, O/T PPR. CAUTION - Gldr act. NS ABTMT - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol.

COMMUNICATIONS - MUNCHEN INFO - 125.8 FEUERSTEIN INFO - 130.775 15NM to 3000ft AGL.

BURGAS, BU LBBG CIV N42°34.17' E27°30.91' 135 UTC+2(+3DT) H-4G, L-12H

RWY-04 L4,5,10,50 (10499x148 CON PCN 60 R/B/X/T) L3,4,5,10,50 RWY-22

SERVICE - AOE FUEL - A1 (Litasco Bulgaria) fone C35--92-917-4179, (NC-100LL) FLUID - De-Ice avbl.

COMMUNICATIONS - ATIS - 120.95 APP - (V) 125.1 119.65 TWR - (V) 118.0 119.9

NAVAIDS - BURGAS VORW-DME - HA 112.000 BGS CH 57 N42°34.26' E27°31.19' At Fld. 197/(A)3°00.0'E BURGAS NDB/LOM - HHW 356.000 BGS N42°37.62' E27°35.37' 224° 4.8 NM to Fld. Unk/4°18.0'E VHF/DF

ILS/RADAR - ➔ILS - BRG 220° LCZR IBG 110.3 GS 3.0° LOM BGS 356

BURGOS, (VILLAFRIA) SP LEBG CIV N42°21.46' W3°37.25' 2945 UTC+1(+2DT) L-11B

RWY-06 L7,9,50 (4393x98 ASP PCN 80 F/A/Y/T) L7,9,50 RWY-24

SERVICE - FUEL - (NC 100LL, A1)

REMARKS - Opr SR-SS RSTD - VFR only.

COMMUNICATIONS - UNIC - 122.4

NAVAIDS - BURGOS VORW-DME - T 111.400 VIA CH 51 N42°21.30' W3°36.81' At Fld. 2970/2°23.0'W O/S UFN. BURGOS NDB - HW 357.000 BGS N42°21.49' W3°38.12' At Fld. 2945/2°23.5'W O/S UFN.

BURNHAM, UK NDB - MHW 421.000 BUR N51°31.13' W0°40.63' Unk/2°29.4'W L-4G

BUSHEHR, IR OIBB MIL/CIV N28°56.69' E50°50.08' 68 UTC+3:30 H-13C, L-18F

(B) RWY-13L L5,12,50 (14663x148 ASP) L5,12,50 RWY-31R

←NET UNK (69' OVRN) ←HOOK UNK (33' OVRN) HOOK UNK(B) (2740')

RWY-13R L5,12 (14664x148 ASP PCN 86 F/C/W/T) L5,12 RWY-31L

←NET UNK (69' OVRN) ←HOOK UNK (33' OVRN) HOOK UNK(B) (2625') HOOK UNK(B) (2624')

SERVICE - A-GEAR - Mil barriers 11' hi, all A-G by arng. FUEL - Avbl 0330-1930Z, OT O/R. (NC-100LL, A1, J4) FLUID - LOX

REMARKS - RSTD - All inbd tfc rqr to ctc RADAR before 50 NM for mil ident. CAUTION - Animal and bird haz.

COMMUNICATIONS - ATIS - Opr 0300-1900Z. 126.2 APP - (E) 131.4 122.2 298.0 310.6 317.5 385.4 TWR - (E) 119.7 122.5 121.9 257.8 275.8

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NAVAIDS - BUSHEHR VORW-DME - HA 117.450 BUZ CH 121(Y) N28°57.08' E50°49.56'

At Fld. 70/2°37.8'E **BUSHEHR NDB** - HHW 341.000 BUZ N28°57.74' E50°49.37' 149°

1.2 NM to Fld. 70/2°37.9'E

BUZ VOR/DME unusu at 40 DME 360°-340° BLW 2500 FT

340°-150° over the sea

150°-140° BLW 5000FT AMSL

140°-120° BLW 8000FT AMSL

120°-060° BLW 6000FT AMSL

060°-050° BLW 7500FT AMSL

050°-030° BLW 4500FT AMSL

030°-360° BLW 2500FT AMSL

ILS/RADAR - ■ RADAR - 127.8 135.1

BYDGOSZCZ, PL NDB - HHW 534.000 SL N53°06.19' E18°03.18' 259° 2.8 NM

to SZWEDEROWO. Unk/3°35.8'E Req 10 min prior to arr. **NDB** - MHW 1086.000 S

N53°05.98' E18°00.75' 261° 1.2 NM to SZWEDEROWO. Unk/3°35.0'E Req 10 min prior to

arr. **H-8F-5E, L-21A**

C BACCARINI, IT See GROSSETO

C DI PALMA, IT See SIGONELLA

C PANERO, IT See ALBENGA

C ROMAGNOLI, IT See GRAZZANISE

CACERES, SP VORW-DME - HA 114.200 CCS CH 89 N39°31.47' W6°26.08'

1394/(A)4°00.0'W **NDB** - HW 380.000 CAC N39°31.73' W6°25.73' Unk/3°6.0'W

CCS VOR-DME unusu

069° byd 115 NM blw 9000'

082° byd 100 NM blw 8500'

252° byd 50 NM blw 6500'

284° byd 50 NM blw 6000'

H-3A-16H, L-11A

CADIZ, SP See ROTA NS

CAEN, FR VORW - HA 115.400 CAN N49°10.30' W0°27.34' At CARPIQUET.

256/(A)4°00.0'W **NDB** - MHW 404.000 CNE N49°06.94' W0°19.28' 307° 6.1 NM

to CARPIQUET. Unk/2°00.9'W **H-6F, L-7C**

CAERNARFON, UK EGCK CIV N53°06.25' W4°20.42' 1 UTC 0(+1DT) **L-3B**

(B) **RWY-02**

(3534x75 ASP)

RWY-20

3281→

RWY-08

(2887x75 ASP)

RWY-26

2703→

←2595

SERVICE - LGT - ABn, green coded CN. **FUEL** - Avbl 0900-1630Z (0800-1630Z sum), OT

PPR. (NC-100LL, A1). Acft req fuel should make the req on A/G freq inbd. **OIL** -

0-123-125

REMARKS - Opr 0900-1630Z (0800-1800Z sum), O/T PPR. **CAUTION** - Wearing of hi-vis vest rqr'd by tran crews while on apr dur opr hrs. **CSTMS/AG/IMG** - By arng. **RWY** - Rpt LDA Rwy 02 is 3248', rpt LDA Rwy 20 is 3383', rpt LDA Rwy 08 is 2881' and rpt LDA Rwy 26 is 2641'.

COMMUNICATIONS - RDO - 122.25

NAVAIDS - CAERNARFON NDB - MHW 320.000 CAE N53°06.01' W4°20.37' At Fld.

1/4°13.7'W

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CAGLIARI, IT **VORW-DME** - L 113.400 CAG CH 81 (025/40) N39°14.94' E9°03.24'
At ELMAS. 13/1°02.8'E (60/40 340°-020°) MP 0900-1100Z++ 1st Tue **NDB/LOM** - MHW
371.000 CAG N39°12.88' E9°05.85' 317° 3.0 NM to ELMAS. Unk/1°03.3'E MP
0900-1100Z++ 1st Mon
CAG VOR-DME MRA within 25 360°-015° 7000'
NM 015°-110° 12,000'
110°-165° 4000'
165°-275° 12,000'
275°-315° 8000'
315°-360° 5500'
CAG NDB MRA 25 NM 110°-190° 1500'
190°-110° 6000'
CAG NDB MRA byd 10 NM 190°-130° 6000'
L-12E

CAGLIARI ELMAS, IT See ELMAS

CAGNES SUR MER, FR **VORW-DME** - L 109.200 CGS CH 29 N43°38.71' E7°08.76'
075° 3.1 NM to COTE D AZUR. 13/0°36.4'E For use only for apch to Cote D'Azur. **L-11D**

CAIRO ACC, EG **HECC CON - (E)** - **Sctr 1** - 127.7 128.725 **Sctr 2** - 124.7 125.175
Sctr 3 - 126.6 119.35 **Sctr 4** - 129.4 124.575 **SW Sctr** - 130.9 **RDO** - 11300 6574 5517
5637 (13288 Opr SR-SS) (3467Opr SS-SR)
H-10G, 12G, 13A, 14E, 15E, -16F, G, L-14H, 16E,F, 20E

CAIRO ALMAZA, EG See ALMAZA AFB

CAIRO INTL, EG **HECA** CIV N30°07.32' E31°24.33' 382 UTC+2(+3DT)

H-10H-14E-16G, L-16E
(B) **RWY-05L** L2,3,4,5,10,50 (10830x197 ASP PCN 100 F/B/W/U) L2,3,4,5,33,50 **RWY-23R**
RWY-05R L2,3,4,5,33,50 (13120x197 ASP PCN 100 F/A/W/T) L2,3,4,5,10,50 **RWY-23L**
RWY-16 L5 (10427x197 ASP PCN 58 F/B/W/U) L5,50 **RWY-34**

SERVICE - AOE **FUEL** - A1 (Joint CALTEX/MOBIL, fone C202-417-5732)

REMARKS - **RSTD** - Acft to cross Rwy 16/34 via twy L only. **CAUTION** - Marked and lgtd
twr cranes erected within Cairo CTLZ around 30° 06N 031° 23E at a hgt of 366 AMSL. **NS**
ABTMT - See FLIP PLANNING AP/2, Supplementary Arprt Rmk. **RWY** - Rwy 05L dep only,
23R arr only, 05R/23L dep and arr. Rwy 16/34 opr SR-SS VMC only.

COMMUNICATIONS - **ATIS** - 122.6 **APP** - (R) 119.05 119.55 120.7 **TWR** - 118.1 119.55
GND - 121.9 **PREFLIGHT** - 120.1 **VOLMET** - 126.2

NAVAIDS - **CAIRO DVORW-DME** - HA 112.500 CAI CH 72 N30°09.12' E31°25.43' 205°
2.0 NM to Fld. 200/(A)3°00.0'E **CAIRO DVORW-DME** - HA 115.200 CVO CH 99
N30°05.54' E31°23.31' 024° 2.0 NM to Fld. 460/(A)3°00.0'E **CAIRO NDB** - MHW 310.000
ALI N30°10.02' E31°23.10' 158° 2.9 NM to Fld. Unk/3°20.8'E **CAIRO NDB** - MHW
317.000 MKT N30°02.53' E31°16.53' 052° 8.3 NM to Fld. 260/3°19.8'E

ILS/RADAR - **ILS-DME** SEE TERMINAL FLIP FOR ILS-DME 05L-R, 23R DATA ➔ **ILS-DME** 23L
- BRG 227° LCZR ILOT 109.5 CH 32 GS 3° ■ **RADAR** - ASR - Call DIRECTOR - 119.05 119.55
120.7

CAIRO WEST, EG **HECW** MIL N30°06.98' E30°54.93' 550 UTC+2(+3DT)

H-10H-14E, 16F, L-16E
(B) **RWY-10L55** (9125x147 ASP PCN 30 F/D/W/T) L55 **RWY-28**
HOOK BAK-12A (1410') HOOK BAK-12A (2055')
RWY-16 L55 (9757x196 ASP PCN 52 F/A/W/T) L38,50,55 **RWY-34**
HOOK BAK-12A (1765') HOOK BAK-12A (1887')

SERVICE - **FUEL** - (NC-A1+)

COMMUNICATIONS - **APP** - (R) (V) 125.3 **TWR** - 274.0 131.2 **GND** - 130.0 290.0
CLNC - 130.0 290.0

NAVAIDS - **CAIRO WEST TACAN** - HA BLA CH 114 N30°06.93' E30°54.70' At Fld.
550/(A)1°00.0'E

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CALAIS DUNKERQUE, FR **LFAC** CIV N50°57.73' E1°57.29' 12 UTC+1(+2DT)

H-6G, L-4H

RWY-06 L1,5,9

(5036x148 ASP

S69 T101 ST129 TT175)

L1,5,23 **RWY-24**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0800-1800Z++. OT PPR fone C03 21 00 11 00/01, Fax C03 21 35 22 66 prior 1800Z++. **RSTD** - NORDO proh. **CAUTION** - PJE SR-SS+30 to FL110. Aerobatic act SR-SS, 1500'-4000' AMSL. Act info via Calais Twr. Unmarked crane aprx 1.45NM west midfield, 154' MSL, 141' AGL. **CSTMS/IMG** - Avbl with 24 hr PN to Dunkerque Regional Cstms Admin, fax C03 28 61 33 27. **MISC** - Class E airspace 0800-1800Z++. OT Class G.

COMMUNICATIONS - ATIS - 135.45 **LILLE APP** - Opr H24 (R) 120.275 **TWR** - 128.925

NAVAIDS - VHF/DF

ILS/RADAR - ➔ILS-DME - BRG 243° LCZR MK 110.55 GS 3° CH 42(Y) LOM MK 418

CALAMOCCHA, SP **VORW-DME** - HA 116.000 CMA CH 107 N40°52.04' W1°17.88'

3150/(A)2°00.0'W **NDB** - HW 375.000 CCH N40°54.15' W1°17.90' Unk/1°33.3'W

CMA VOR-DME unuse

083° byd 40NM blw 8000'

249° byd 60NM blw 7500'

281° byd 70NM blw 8000'

H-15A-16I, L-11B

CALELLA, SP **TVORW-DME** - T 115.350 CLE CH 100(Y) N41°38.40' E2°38.08'

1351/0°28.7'W **H-15A, L-11C**

CALLES, SP **VORW-DME** - HA 117.550 CLS CH 122(Y) N39°42.43' W0°59.18'

1839/1°24.2'W **H-15A-16I, L-11B**

CALONNE, FR **LFQT** CIV N50°37.10' E2°38.53' 61 UTC+1(+2DT) **H-6F, L-4H**

RWY-04 L5,9,50

(6037x98 ASP PCN 17 F/C/W/T)

L5,9,12,50 **RWY-22**

5840→

SERVICE - LGT - PAPI Rwy 04-22 GS 3.5°. **FUEL** - Avbl HX. (NC-100LL, A1)

REMARKS - Opr 0700-1900Z++ Mon, Thu, Fri exc hol; 0700-2100Z++ Tue, Wed exc hol; 0700-1700Z (0600-1700Z sum) Sat exc hol. OT PPR before 1400Z++ prev workday. Fone C03.28.48.30.50 (Arprt), C03.28.49.64.27 (Twr). **CAUTION** - Hvy IFR tfc, pilot trng, glldr and ultralgt act. Access to prk area is 17' wide with soft shoulders. **CSTMS/IMG** - CSTMS avbl 1100-1900Z++ Mon-Fri with 4 hr PN; 0700-1100Z++ Sat, Sun and hol with PN before 1400Z++ prev work day. Fone C03.28.29.25.82. **MISC** - Class D Airspace during arprt hr. OT Class G.

COMMUNICATIONS - ATIS - 127.9 **LILLE APP** - Opr H24 (R) 120.275 126.475 (126.475 East Sector, 120.275 West Sector). **MERVILLE TWR** - 119.075

MERVILLE GND - 121.675

NAVAIDS - VHF/DF

ILS/RADAR - ➔ILS-DME - BRG 218° LCZR MER 109.35 CH 30(Y) GS 3.5° LCTR MRV 404.

CALVI, FR **NDB** - HHW 375.000 CV N42°34.62' E8°48.39' 192° 2.8 NM

to SAINT CATHERINE. Unk/1°00.6'E **H-7C, L-11D-12E**

CAMBRAI, FR **VORTACW** - HA 112.600 CMB CH 73 (080/50) N50°13.69' E3°09.09'

At EPINOY. 257/(A)3°0.0'W CH 73 not co-lctd N50° 13.4' E03° 09.1'. **H-6G, L-4H-7D**

CAMBRIDGE, UK **EGSC** CIV N52°12.30' E0°10.50' 47 UTC 0(+1DT) **H-6F, L-4G**

(B) **RWY-05** L5,38,50

(6447x151 ASP PCN 42 R/C/X/T)

L5,33,50 **RWY-23**

5735→

RWY-05R

(2949x115 GRS)

←5972

RWY-23L

RWY-10

(2293x115 GRS)

RWY-28

SERVICE - LGT - ABn, green coded Cl. PAPI Rwy 05 MEHT 44', Rwy 23 MEHT 39'. **JASU** - 1(A1) 1(C1) 1(E1) 1(E4) 1(E12) **FUEL** - (NC-100LL, A1+) **FLUID** - LHGX **OIL** - O-117-123 by PN with Magnet Air Svc Ltd fone C01223-293621.

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REMARKS - Opr 0730-2000Z++ Mon-Fri; 0800-1900Z++ Sat, Sun; OT by arng. **RSTD** - Rpt LDA Rwy 05 5364', rpt LDA Rwy 23 5735'. **CSTMS/IMG** - Avbl 0600-2300Z++, 24 hr PN.
COMMUNICATIONS - **INFO** - 0900-1800Z++ 134.6 **APP** - (R) 123.6 **TWR** - 122.2 372.425 **RDR** - 124.975
NAVAIDS - **CAMBRIDGE NDB** - MHW 332.500 CAM N52°12.65' E0°10.97' At Fld. Unk/2°16.3'W Opr 0900-1800Z++. **VHF/DF**
ILS/RADAR - **ILS-DME** 23 **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

CAMERI, (SILVIO E NATALE PALLI) IT **LIMN** MIL N45°31.78' E8°40.15' 586 UTC+1(+2DT)
H-7C, L-9B
RWY-17 L3,4,7,9,50 (9818x94 ASP SWL30) L2,3,4,7,9,33,50 **RWY-35**
9490→ ←9553
←NET SAFEBAR (204') **HOOK BAK-12A(B)** (1330') **HOOK BAK-12A(B)** (1112')
SERVICE - AOE **LGT** - PAPI Rwy 17 MEHT 42.3', PAPI Rwy 35 GS 2.5'. PAPI Rwy 17 O/S UFN. **JASU** - 1(A1) 1(MD-3) 1(U-1000) **FUEL** - Avbl 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri, OT 24 hr PN. 100LL, J8. **FLUID** - LOX LHOX **OIL** - O-148-156-160
REMARKS - Opr 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri. Clsd Sat, Sun, hol. **RSTD** - Parl twy (6004'x74') avbl as rwy for base acft only.
COMMUNICATIONS - **APP** - Call MILANO ARRIVAL (R) (V) 125.62 **TWR** - Opr 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri. (E) 122.1 118.125 139.1 241.925 257.8 338.325 386.75 **GND** - 121.7 337.75
NAVAIDS - **CAMERI TACAN** - HA CAM CH 97 (040/25) N45°34.21' E8°39.45' 169° 2.5 NM to Fld. 692/0°56.1'E MP 0800-1100Z++ 1st and 3rd Wed. **CAMERI NDB** - MHW 323.000 CAM N45°25.72' E8°42.05' 348° 6.2 NM to Fld. Unk/0°57.0'E MP 0700-1000Z++ 1st and 3rd Thu.
CAM TACAN MRA within 40 NM 000°-080° 9000'
080°-250° 2500'
250°-290° 11,500'
290°-330° 16,500'
330°-360° 10,000'
CAM NDB MRA 25 NM 360°-040° 8000'
040°-270° 3000'
270°-300° 4000'
300°-360° 6000'

CAMOGLI, IT **NDB** - MHW 389.000 CMO N44°20.75' E9°10.27' Unk/1°04.7'E
CMO NDB MRA 000°-120° 11,000' within 25 NM
120°-140° 12,000' within 50 NM
140°-190° 4000' within 70 NM
190°-250° 4000' within 50 NM
250°-320° 9000' within 50 NM
320°-000° 9000' within 25 NM

H-7C, L-12E

CAMP BONDSTEEL AHP, YI **LYBS** A N42°21.27' E21°14.92'
(34TEM2048089161) 1953 UTC+1(+2DT) **L-12G**
(100x100 CON AH64)
(60x60 CON)
(60x60 CON)
(300x230 GVL)
(60x60 CON)

SERVICE - **FUEL** - Avbl H24, PPR for non-US acft. J8
REMARKS - Opr 0500-2300Z++. **MISC** - Wx obsn/fcst avbl H24, ICAO KQUK. Helipad lgt avbl.
COMMUNICATIONS - **TWR** - (E) 279.0 233.975 339.1 **GCA** - (E) 339.775 240.475 **METRO** - 56.0

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NAVAIDS - BONDSTEEL NDB - MHW 428.000 BS N42°21.41' E21°14.97' At Fld.

Unk/3°19.4'E Unmto

BS NDB unuse

053°-070° byd 15 NM

071°-112° byd 10 NM

120°-199° byd 14NM

200°-259° byd 6 NM

260°-119° byd 15NM

353°-052° byd 21 NM

ILS/RADAR - RADAR -SEE TERMINAL FLIP FOR RADAR MINIMA.

CAMP BUERING, KU See UDAIRI AAF

CAMP MCGOVERN AHP, BK **LQMG** A N44°51.14' E18°45.26' 312

UTC+1(+2DT) **L-10F**

(50x50 ASP CH47)

(50x50 ASP CH47)

(50x50 ASP CH47)

(50x50 ASP CH47)

(50x50 ASP CH47)

(50x50 ASP CH47)

SERVICE - FUEL - Ctc McGovern TOC per current SOI freq.

REMARKS - Opr 0700-2100Z++ extn hr thru Task Force Eagle A2C2 DSN 762-2050/2051.

CAUTION - Unlit 60' ant 492' SW of helipad. 6-inch dropoff at all edges of helipad. **TFC**

PAT - 500' AGL. **MISC** - Avoid ovft of LSA; 6 conc prk pads. Pad 1 VIP/PAX DO/PU no long term prk; Pad 2 MEDEVAC; Pad 6 nstd lgt; Ovrngt prk avbl.

NAVAIDS - MCGOVERN NDB - HW 375.500 MGW N44°51.20' E18°45.03' At Fld.

Unk/3°05.6'E Unmto.

CAMPAGNANO, IT **VORW-DME** - HA 111.400 CMP CH 51 (025/25) N42°07.43'

E12°22.89' 1442/(A)1°0.0'E (25/25 to the N, E and S) MP 0800-1000Z++ 2nd Fri. **NDB** -

MHW 301.500 CMP N42°07.50' E12°22.82' Unk/1°45.2'E MP 0800-1000Z++ 2nd Thu.

CMP VOR MRA byd 20 NM

150°-220° 3000'

220°-340° 6000'

340°-150° 8000'

CMP NDB MRA byd 20 NM

150°-220° 3000'

220°-150° 6000'

H-7D-15C, L-12E

CAMPBELTOWN, UK **EGEC** CIV N55°26.23' W5°41.18' 42 UTC 0(+1DT)

H-2E-3D-5A, L-3B

RWY-11 L5,23,50

(10003x151 ASP)

L5,23,50 **RWY-29**

9403→

←8603

SERVICE - LGT - PAPI Rwy 11 MEHT 51', PAPI Rwy 29 MEHT 50'. **FUEL** - PN rqr. (NC-100LL A1)

REMARKS - Opr 0930-1730Z++ Mon-Fri, OT by arng. **RSTD** - PPR. NORDO proh.

CAUTION - Bird haz.

COMMUNICATIONS - AFIS - Opr 0915-1730Z++ Mon-Fri, OT by arng. 125.9

NAVAIDS - MACHRIHANISH VORW-DME - HA 116.000 MAC CH 107 (150/50)

N55°25.80' W5°39.02' 296° 1.3 NM to Fld. 95/(A)7°00.0'W (200/50 in sctr 231°-351°) Due to terrain, low level reduced in sctrs 126°-166°, 211°-241°, 351°-086°.

CAMPBELTOWN NDB - MHW 380.000 CBL N55°26.14' W5°41.28' At Fld. 44/5°20.7'W
Opr 0915-1730Z++

CAMPIA TURZII, (LUNA) RO **LRCT** MIL N46°30.14' E23°53.15' 1083 UTC+2(+3DT)

H-4F, L-10H

RWY-15 L7,34,43

(8202x164 CON 34 SWL)

L7,34,43 **RWY-33**

SERVICE - FUEL - (NC-A1+) **FLUID** - OX

COMMUNICATIONS - APP - (R) 129.0 **TWR** - 129.0 **DEP** - 129.0

ILS/RADAR - ■ RADAR - PAR - Call RADAR - 129.0

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CAMPO DELL ORO, FR LFKJ CIV N41°55.42' E8°48.17' 18 UTC+1(+2DT)

H-7C-15B, L-11D-12E

RWY-02 L5,9

(7897x148 ASP

S102 T162 ST175 TT324)

L5,9,50 RWY-20

←7153

SERVICE - AOE **LGT** - PAPI Rwy 20 GS 3.7° MEHT 53'. **FUEL** - Avbl 0600-1900Z++, OT O/R 2 hr PN. (NC-100LL, A1)

REMARKS - **RSTD** - Rwy 10-28 clsd. Ovft of Ajaccio proh blw 3000'.

COMMUNICATIONS - **AJACCIO ATIS** - 126.925 **AJACCIO APP** - (R) (V) 121.05 127.775

AJACCIO TWR - (V) 118.075 **AJACCIO GND** - Opr HO 121.7 **AFIS** - Call AJACCIO

INFO 119.825

NAVAIDS - **AJACCIO/CAMPO DELL ORO NDB** - HW 341.000 IS N41°53.93' E8°36.72' 080° 8.7 NM to Fld. Unk/0°58.1'E **VHF/DF**

ILS/RADAR - → **ILS-DME** - BRG 025° LCZR AC 110.3 CH 40 GS 3°

CANAKKALE, TU LTBH MIL/CIV N40°08.26' E26°25.61' 23 UTC+2(+3DT)

H-15E, L-12H-15A

(B) RWY-04 LA,55

(5905x98 CON PCN 73 R/B/W/T)

L55 RWY-22

REMARKS - Opr 0600-1000Z++, 1100-1500Z++ Mon- Fri. **CAUTION** - Bird haz.

COMMUNICATIONS - **YESILKOY APP** - (R) (E) 122.1 362.3 **TWR** - 123.6

NAVAIDS - **CANAKKALE VORW-DME** - HA 111.200 CNK CH 49 N40°08.45' E26°25.95'

At Fld. 39/3°50.5'E **CANAKKALE NDB** - HW 422.000 CNK N40°08.45' E26°25.95' At Fld. 23/3°50.5'E

CANARIAS ACC/FIC/UACC, SP GCCC CIV CON (R)(E) Central Este Sctr

130.95 130.95 Central Oeste Sctr - 130.95 130.95 Noreste Sctr - 129.1 129.1 Noreste

Sctr 126.5 126.5 Sureste A Sctr - 129.1 129.1 133.0 133.0 Sureste B Sctr - 129.1 133.0

Suroeste Sctr - 119.3 119.3 126.5 126.5 MIL - 338.65 338.65 368.6 368.6 298.875

298.875 399.8 399.8 296.70 296.70 RDO - N Atlantic - 6628 8825 11309 (2962 Opr

SS-SR) (17946 Opr SR-SS) RDO - S Atlantic - 5565 6535 8861 11291 13357 (2854 3452 Opr

SS-SR) (13315 17955 Opr SR-SS) SAR (R)(E) - 123.1 282.8 4738.5 6737 11406 (2763 3855

4790 6870 9001 9437 3137 O/R) H-11B, L-13A-19A

CANNES, FR VORW - HA 111.400 CNM (040/50) N43°33.62' E6°52.26' 108° 3.8 NM

to MANDELIEU. Unk/(A)1°00.0'W (60/50 225°-315°, 80/50 315°-045°) H-7C, L-11D

CAPARICA, PO NDB - MHW 389.000 CP N38°38.54' W9°13.29' 026° 9.3 NM to LISBOA.

Unk/4°00.5'W L-11A

CAP BON, TS VORW - HA 112.700 CBN (150/50) N36°53.73' E11°05.30'

Unk/(A)0°00.0'E H-15B, L-14F

CAPDEPERA, SP DVORW-DME - HA 112.900 CDP CH 76 N39°41.86' E3°26.06' 256°

33.4 NM to PALMA DE MALLORCA. 778/(A)1°31.0'W H-15A, L-11C

CAPODICHINO, (NAPLES CAPODICHINO) IT LIRN MIL/CIV (N)

N40°53.16' E14°17.45' 294 UTC+1(+2DT) H-15C, L-12F, AACD TD (NAPOLI)

(B) RWY-06 L5,9,11,50

(8622x148 ASP PCN 90 F/B/W/T)

L5,9,33,50 RWY-24

7313→

←7998

SERVICE - AOE **LGT** - PAPI Rwy 06 GS 3.5° MEHT 55', Rwy 24 GS 3.3° MEHT 54'. Apch lgt 1500' mod Calvert, fst 4 cross bars only. **FUEL** - A1 (Exxon avbl 0430-2100Z++ C+39 081 780 2986, OT \$150 fee C+39 335 7860463). Ctc USN Base OPS - ensure OT fuel is part of PPR req. Coml air card rqr for fuel. No defueling svc avbl. ITAF: C39-081-705-5402/5444) 24 hr PN rqr for fuel req 50,000 lb or more. Wo ntc exp delay. (NC-100LL) Urgent fuel req H24 C+39-348-3365293. **FLUID** - De-Ice avbl 0500-2200Z++, C+39 081 7896433. LPOX **OIL** - O-117-128-133. **TRAN ALERT** - Licensed pers to svc acft/maint space not avbl. Ltd parking/trans qtrs avbl.

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REMARKS - USN Ramp/Air Trml opr 0500-2300Z++. **RSTD** - 48 hr PPR for all acft exc emerg or AIREVAC. 48 hr PN for RON, ctc USN Base OPS. Due to ltd ramp space, acft larger than C130, exc sked AMC PAX msn, rqr ctc USN Base OPS with 4 working days ntc. All acft ctc USN Base OPS 20 min prior arr, advs of VIP code 7 and abv; ctc ATOC with load msg. Non US mil acft are rqr to submit a PPR req to the ITAF; C081-705-5402/5444. ITAF apvl does not guarantee USN Ramp access. No ordnance auth or stor avbl. All tran acft pilot in comd shall rpt to Base OPS prior to start of crew rest. **CAUTION** - Lo level wind shear possible. All copter opr on civ apn must req start-up clnc on GND freq 121.9. Ultralight act in CTLZ to 500' Mon-Fri, to 1000' Sat, Sun, hol. Ngt opr of mil and based acft on Twy TN with ctn or follow-me guided prior req to twr due to unlgtd area. Apn mil 1 WIP; acft to/fr requires flw-me UFN. **TFC PAT** - Lcl school VFR trng flt in pat. **NS** **ABTMT** - APU not auth til 60 min before ETD or 20 min aft ATA. Jet acft executing visual apch avoid ovft Naples blw 5000' in sctr 120°-210° fr arpt to 5 NM and 210°-270° fr arpt to 8 NM exc for tfc pat and final ldg phase. **MISC** - USN Base OPS DSN 626-5223 fax DSN 626-5479 C39-081-568-5479. ATOC DSN 626-5224 C39-081-568-5224 fax DSN 626-5259 C39-081-568-5259. ODO (24 hr ctc) DSN 626-5484 C39-081-568-5484. Shore-basing msg req must incl NAVSUPACT NAPLES IT//N30/N31// and COMFAIRMED NAPLES IT//N42/N41T//. Req must be confirmed 7 days in advance DSN 626-5583 or C39-081-568-5583. See FCG for addn restrictions. Pilots should file FPL up to 4 hr in advance for EUR FLOW RSTD. USN Base OPS will accept FPL up to 48 hr in advance. Rwy 06 for tkof and Rwy 24 for ldg unless adverse MET cond exist.

COMMUNICATIONS - **ATIS** - 135.975 **NAPOLI RADAR - (R) (E)** 124.35 234.05 **NAPOLI DIRECTOR - (R) (E)** 120.95 339.85 **NAPOLI TWR - (E)** 118.5 235.15 257.8 **NAPOLI GND CLNC DEL** - 121.9 235.15 337.825 **ATOC** - (AIR TERMINAL OPERATIONS CENTER) 118.275 **PMSV METRO** - 341.0 **USN BASE OPS** - 118.275 341.0

NAVAIDS - **POMIGLIANO DVORW-DME** - L 117.850 POM CH 125(Y) N40°55.69' E14°23.01' 237° 4.9 NM to Fld. 109/2°05.3'E MP 0800-1000Z++ 2nd Thu.

POMIGLIANO NDB/LOM - HW 351.000 POM N40°55.72' E14°22.98' 237° 4.9 NM to Fld.

Unk/2°05.3'E MP 0800-1000Z++ 2nd Wed. **VHF/UHF/DF**

POM VOR-DME MRA 25 NM	030°-155° 8500'
	155°-180° 10,000' at 15 NM, unuse byd
	180°-260° 4500'
	260°-300° 2000'
	300°-350° 4500'
	350°-030° 7000'
POM NDB MRA 30 NM	180°-250° 5000'
	250°-180° 10,000'

ILS/RADAR - **ILS-DME 24. →ILS-DME** - BRG 056° LCZR NPC 110.15 CH 38(Y) GS 3.5°. O/S UFN.

CAP SKIRING, SG **GOGS** CIV N12°24.61' W16°44.77' 52 UTC 0 **L-19A**
RWY-15 *L55 (4756x98 ASP PCN 45 F/A/W/T) *L43,55 **RWY-33**

SERVICE - **LGT** - Emerg lgt avbl; 19 hr PN.

REMARKS - Opr 0700-1900Z Mon-Sat, Sun and ngt O/R before 1200Z. **CSTMS/IMG** - CSTMS avbl at requester's expense.

COMMUNICATIONS - **TWR** - 118.9 **RDO** - 5680

NAVAIDS - **CAP SKIRING NDB** - MHW 398.000 SKN N12°23.19' W16°44.57' 352° 1.4 NM to Fld. 108/9°03.1'W

CARAFFA, IT **VORTACW** - HA 117.300 CDC CH 120 (200/60) N38°45.35' E16°22.15' 3273/(A)1°0.0'E MP 0700-0900Z++ 1st and 3rd Fri.
CDC TACAN MRA at 40 NM 150°-220° 8500'
CDC VORTAC MRA at 40 NM 060°-150° 4500'
150°-220° 7500'
220°-330° 4500'
330°-060° 7500'

H-15C, L-12F

CARANSEBES, RO **LRCS** CIV N45°25.20' E22°15.20' 866 UTC+2(+3DT) **H-4F, L-10H**
RWY-11 (6562x148 CON ESWL37) **RWY-29**

SERVICE - **FUEL** - (NC-A, J)

REMARKS - Opr 0600-1400Z++ **CSTMS/IMG** - Avbl

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COMMUNICATIONS - APP - 125.85 TWR - 125.85

NAVAIDS - CARANSEBES NDB - HW 330.000 CRS N45°26.57' E22°09.80' 106° 4.0 NM
to Fld. 758/3°46.5'E Opr HX

CARBONARA, IT VORW-DME - HA 115.100 CAR CH 98 (150/50) N39°06.68' E9°30.48'
167/(A)0°00.0'E (200/50 to the S). MP 0830-1000Z++ 1st Thu **NDB** - MHW 402.000 CAR
N39°06.70' E9°30.55' Unk/1°8.0'E MP 0900-1100Z++ 2nd Wed. NDB O/S til 07 Jun 05
est.

CAR DME MRA 300°-360° at 40 NM 17,000'

CAR VOR MRA at 40 NM 350°-050° 9000'

050°-120° 2000'

120°-150° 6000'

150°-260° 2000'

260°-300° 5000'

CAR VOR MRA MRA 20 NM 300°-350° 15,000'

000°-050° 4000'

050°-120° 2000'

120°-150° 4000'

150°-290° 2000'

290°-300° 5000'

CAR NDB MRA 50 NM 300°-360° 8000'

000°-040° 6000'

040°-240° 2000'

240°-300° 6000'

300°-360° 15,000'

L-12E

CARDAK, TU LTAY MIL/CIV N37°47.13' E29°42.08' 2795 UTC+2(+3DT)

H-15E-16F, L-15A

(B) **RWY-06** L5,33,43 (9842x148 ASP PCN 70 F/B/X/T)

L5,43 **RWY-24**

←NET UNK (164' OVRN) 500S(B) (1500')

UNK (1500')

SERVICE - FUEL - (NC-J8)

REMARKS - Opr by NOTAM.

COMMUNICATIONS - MENDERES APP - (R) (V) 121.6 362.3 **TWR - (V)** 118.6 122.1

257.8 **GND** - 251.25

NAVAIDS - CARDAK VORW-DME - HA 112.000 CRD CH 57 N37°47.38' E29°42.25' At Fld.

2828/(A)3°0.0'E **CARDAK TACAN** - L CRD CH 60 N37°46.75' E29°41.53' At Fld.

2834/3°56.0'E Opr 0600-1500Z++. **CARDAK NDB** - MHW 433.000 CRD N37°47.38'

E29°42.25' At Fld. 2828/3°56.0'E

CARDIFF, UK EGFF CIV N51°23.80' W3°20.60' 220 UTC 0(+1DT) **H-3C, L-4F**

RWY-12 L4,5,33,50 (7848x151 ASP PCN 50 F/A/W/T)

L4,5,33,50 **RWY-30**

7051→

←7297

SERVICE - AOE FUEL - (NC-100LL, A1) **OIL** - 0-123-125

REMARKS - CSTMS/AG/IMG - Avbl 0700-2200Z++ Mon-Fri, 0900-1700Z++ Sat, Sun and hol
btn 1 Oct and 30 Apr; H24 1 May to 30 Sep. **RWY** - Rpt LDA Rwy 12 is 6998', Rwy 30 is
7221.

COMMUNICATIONS - ATIS - 132.475 **APP - (R)** 125.85 251.375 **TWR** - 125.0

NAVAIDS - VHF/DF

ILS/RADAR - →ILS-DME - BRG 121° LCZR CDF 110.7 CH 44 GS 3° **→ILS-DME** - BRG 301°

LCZR CWA 110.7 CH 44 GS 3° **■ RADAR** - ASR - Call RADAR - 126.625 125.850x. Opr

0545-2300Z++. MP 0800-1000Z++ Tue.

CARITAT, FR LFMO MIL N44°08.43' E4°52.00' 197 UTC+1(+2DT) **H-7B-15A, L-11D**

RWY-15 L7,9,11,50 (7909x197 CON

L7,9,50 **RWY-33**

S92 T125 ST159 TT213)

←J-BAR UNK (95' OVRN) →HOOK UNK (1440')

HOOK UNK (1284') ←J-BAR UNK (32' OVRN) →

SERVICE - LGT - PAPI Rwy 15-33 GS 2.5°. **FUEL** - Avbl 0800-2300Z++ Mon-Fri, OT PPR.

A1+ **FLUID** - HPOX LOX OXR3

AIRPORT/FACILITY DIRECTORY B-95

REMARKS - Opr 0800-1700Z++ Mon-Thur, 0800-1500Z++ Fri. OT PPR before 1600Z++ last workday. **RSTD** - PPR. Fone C33.4.90.34.04.00 extn 83200. **MISC** - Rwy 15-33 grooved.

COMMUNICATIONS - ORANGE APP - (118.925 Acft transiting LFR55B and C only)
(231.775 Jet DEP CON) **(E)** 142.45 234.3 362.3 **ORANGE TWR - (U)** 120.7 122.1 257.8 262.75

NAVAIDS - ORANGE TACAN - HA ORG CH 31 (060/25) N44°08.36' E4°51.96' At Fld.
197/0°0.0'E MP 0630-1030Z++ Wed or Thu. **ORANGE NDB** - HW 328.000 ORG
N44°08.90' E4°51.43' At Fld. 197/0°0.0'E **VHF/UHF/DF**

ILS/RADAR - ILS-DME - BRG 146° LCZR ORG 109.9 CH 31 GS 2.5° ■ **RADAR** - ASR - Call
ORANGE RADAR - 233.125 265.9 336.1 378.525 PAR - Call ORANGE GCA - 139.525
233.125 378.525.

CARLISLE, UK **EGNC** CIV N54°56.25' W2°48.55' 190 UTC 0(+1DT) **H-2E-3D-5A, L-3C**
RWY-01 (3077x75 ASP) **RWY-19**
←2654
RWY-07 L5,50 (6075x98 ASP PCN 29 F/C/X/T) L5,50 **RWY-25**
4572→ ←5271
RWY-13 (CLSD 4057x150 U) **RWY-31**

SERVICE - LGT - PAPI Rwy 07 GS 3.5° MEHT 39', PAPI Rwy 25 GS 3.25° MEHT 30'. **FUEL** -
Prior arng rqr. (NC-100LL, A1) **OIL** - O-123

REMARKS - Opr 0900-1830Z++ Mon-Fri; OT by arng. **RSTD** - PPR **RWY** - Rpt LDA: Rwy 01,
2635'; Rwy 19, 2654'; Rwy 07, 4334'; Rwy 25, 4820'.

COMMUNICATIONS - ATIS - Opr 0900-1830Z++ 118.425 **APP** - Opr 0900-1830Z++ and
by arng. 123.6 **TWR** - Opr 0900-1830Z++ and by arng. 123.6 **RDO** - By NOTAM. 123.6

NAVAIDS - VHF/DF

CARNANE, IM **NDB** - HHW 366.500 CAR N54°08.47' W4°29.50' 239° 5.8 NM
to ISLE OF MAN. Unk/4°31.1'W **H-3D-5A, L-3C**

CARPENTRAS, FR **LFNH** CIV N44°01.79' E5°04.68' 394 UTC+1(+2DT) **L-11D**
RWY-13 (3937x66 ASP S23) **RWY-31**
3675→

SERVICE - FUEL - Avbl 1500-1900Z++ Mon-Fri; OT O/R. (NC-100LL)

REMARKS - Opr HX.

CARPIQUET, FR **LFRK** CIV N49°10.40' W0°27.00' 256 UTC+1(+2DT) **H-6F, L-7C**
RWY-06 (3871x98 ASP S60 T83 ST105 TT138) **RWY-24**
RWY-13 L5,50 (6233x148 ASP PCN 27 F/D/W/T) L5,9,34 **RWY-31**
5249→

SERVICE - AOE FUEL - (NC-100LL, A1)

REMARKS - Opr 0500-2100Z++ Mon-Fri, 0500-1900Z++ Sat, 0800-2100Z++ Sun and hol.
RSTD - NORDO proh. **CAUTION** - Aerobatics over Rwy 13,31 to FL45 SR-SS. Prcht act.
MISC - Class E Airspace eff 0500-2100Z++ Mon-Fri, 0500-1900Z++ Sat, 0800-2100Z++ Sun
and hol. OT Class G.

COMMUNICATIONS - DEAUVILLE APP - (R) 120.35 **CAEN TWR** - 124.425

NAVAIDS - CAEN VORW - HA 115.400 CAN N49°10.30' W0°27.34' At Fld.
256/(A)4°00.0'W **CAEN NDB** - MHW 404.000 CNE N49°06.94' W0°19.28' 307° 6.1 NM
to Fld. Unk/2°00.9'W **VHF/DF**

ILS/RADAR - ILS-DME 31

CARSAMBA, TU **LTFH** CIV N41°15.27' E36°34.03' 18 UTC+2(+3DT) **H-13A, L-15C**
(B) **RWY-13** L2,4,5,10,50 (9843x148 CON) L2,4,5,11,50 **RWY-31**

SERVICE - FUEL - (NC-A)

REMARKS - Opr 0530-1330Z++ Mon, Wed, Fri; 0430-1330Z++ Tue, Thu; 0530-1130Z++
Sun.

COMMUNICATIONS - ATIS - H24 129.35 **APP** - 118.175 118.225 362.3 **TWR - (E)** 118.35
118.275 257.8 **GND** - 121.7

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NAVAIDS - CARSAMBA VORW-DME - L 112.800 CRM CH 75 N41°15.93' E36°32.93' 124°
1.1 NM to Fld. 18/5°06.4'E **CARSAMBA NDB** - HW 325.000 CRM N41°15.93' E36°32.94'
124° 1.1 NM to Fld. Unk/5°06.4'E
ILS/RADAR - ➔**ILS-DME** - BRG 127° LCZR ICRM 110.1 CH 38 GS 3°

CARTHAGE, TS **DTTA** CIV N36°51.06' E10°13.63' 22 UTC+1(+2DT) **H-15B, L-14F**
RWY-01 L45,50 (10499x148 ASP PCN 60 F/B/W/T) L2,45,11,50 **RWY-19**
RWY-11 L5,50 (9318x148 ASP PCN 45 F/B/Y/U) L5,50 **RWY-29**
←8661

SERVICE - AOE **FUEL** - Avbl 0700-1700Z++ A1 (Total Tunisia South Africa (216-171)
8677/9053, fax (216-171)7689). 48 hr PN rqr for aft hr svc. (NC-100LL)

REMARKS - Opr 0700-1600Z Mon-Fri; (0600-1200Z Mon-Fri DT; 0700-1300Z Mon-Fri
Ramadan.) **CAUTION** - Est WIP til 30 Jun 07. Crane 105' near arpt.

COMMUNICATIONS - **TUNIS ATIS** - 118.675 **TUNIS APP** - 121.2 119.5
TUNIS TWR - (V) 118.1 **TUNIS GND** - 121.9

NAVAIDS - TUNIS VORW-DME - HA 116.500 TUC CH 112 N36°51.09' E10°13.82' At Fld.
53/(A)0°00.0'E **TUNIS NDB** - HW 385.500 KDN N36°49.49' E10°18.58' 291° 4.3 NM
to Fld. Unk/1°13.6'E **TUNIS NDB/LOM** - HW 325.000 TS N36°56.39' E10°15.07' 191°
5.4 NM to Fld. 19/1°13.2'E **VHF/DF**

ILS/RADAR - ILS

CASABLANCA ACC, MO **GMMM** (CIV) **CON** - 124.5 124.5 125.1 125.1 125.5 125.5
126.7 126.7 128.8 **RDO** - (3452 3452 Opr SR-SS, AFI SELCAL) (5554 5554 EUR SELCAL)
6535 6535 8861 8861 (13357 13357 O/R to ACC, AFI SELCAL). **INFO** - 124.5 124.5 125.1
125.1 126.7 126.7 **H-9A, B-11A, B, L-13B, C**

CASABLANCA, MO **VORW-DME** - HA 114.000 BRC CH 87 N33°16.72' W7°33.44' 346°
5.6 NM to MOHAMMED V. 715/3°16.0'W **VORW-DME** - HA 116.900 CBA CH 116
N33°31.29' W7°40.63' 160° 10.2 NM to MOHAMMED V. 365/(A)5°00.0'W
H-9A-16H, L-13B-C

CASALE, (BRINDISI CASALE) IT **LIBR** MIL/CIV N40°39.46' E17°56.82' 47 UTC+1(+2DT)
H-15C, L-12F
(B) **RWY-05** L6,50 (6132x148 ASP) L6,50 **RWY-23**
←5902
RWY-14 L6,50 (8307x148 ASP) L6,12,50 **RWY-32**

SERVICE - AOE **LGT** - PAPI Rwy 05 GS 3.4° MEHT 54', Rwy 23 GS 3.5° MEHT 49', Rwy 14
MEHT 52', Rwy 32 GS 2.5° MEHT 77'. PAPI Rwy 05 O/S UFN. **FUEL** - A1 (Eni S.p.A. 2 hr
PN, subj \$100 ea occurrence, C+39-0831-418483) (NC-100LL avbl 0730-1630Z++ Mon-Fri,
C+39 0831 416539, OT subj to svc charge C+39-347-2436740).

REMARKS - **RSTD** - PPR 24 hr PN (C039-831-419-321). No USAF svc avbl. Rpt LDA Rwy 05 is
5902'. **CAUTION** - Bird haz. Multi obst on/around arpt. **MISC** - MET info and mil acct
handling svc avbl 0645-1515Z++ Mon-Thu and 0645-1045Z++ Fri; unavbl Sat and hol.

COMMUNICATIONS - **BRINDISI APP** - Opr 0645-1115Z++ and 1200-1515Z++ Mon-Thu,
0645-1045Z++ Fri, OT O/R. (R) (E) 118.4 121.0 122.1 344.0 362.3 363.65 387.9
BRINDISI TWR - (E) 118.1 122.1 386.875 257.8 **GND** - 313.55

NAVAIDS - BRINDISI VORTACW - HA 113.200 BRD CH 79 (200/60) N40°36.65' E18°00.17'
315° 3.8 NM to Fld. 85/(A)2°0.0'E MP 0700-0900Z++ 1st and 3rd Thu.

BRINDISI NDB/LOM - MHW 363.500 BRD N40°36.33' E18°00.53' 315° 4.2 NM to Fld.

Unk/2°40.7'E MP 0900-1100Z++ 1st and 3rd Fri. **VHF/DF**

BRD TACAN MRA at 40 NM 240°-300° 3500'

300°-240° 2500'

BRD VOR MRA at 40 NM 230°-300° 3500'

300°-230° 2500'

BRD NDB MRA 070°-240° MRA 2000' at 50 NM

240°-280° MRA 2500' at 50 NM

280°-070° MRA 1500' at 50 NM

340°-150° not ck byd FIR

ILS/RADAR - ILS

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CASCAIS, PO **LPCS** CIV N38°43.50' W9°21.31' 325 UTC 0(+1DT) **H-16H, L-11A**
(B) **RWY-17** LA,50 (3904x98 ASP) LA,50 **RWY-35**

SERVICE - LGT - Rwy 17 PAPI GS 4°. **FUEL** - (NC-100LL, A)

REMARKS - Opr HO. **RSTD** - Lgt acft only. **CAUTION** - Windshear probable on apch Rwy 17 and tkof Rwy 35. All dep Rwy 35 shall be made with visual ref to terrain due to 651' AMSL obst lctd 6234' fr Rwy 17. Bird haz.

COMMUNICATIONS - TWR - (E) 120.3 119.9 337.575 **GND** - 121.825

NAVAIDS - CASCAIS DVORW-DME - HA 114.300 CAS CH 90 N38°44.90' W9°21.72' 167° 1.4 NM to Fld. 326/4°03.9'W **CASCAIS NDB** - MHW 359.000 CA N38°43.53' W9°21.50' At Fld. Unk/4°03.7'W

CAS VOR-DME unuse

030°-060° byd 20 NM blw FL100

290°-350° byd 10 NM blw FL100

CASELLE, IT **TVORW-DME** - HA 116.750 CSL CH 114(Y) (045/25) N45°13.18' E7°38.97' 179° 1.1 NM to TORINO. 1007/0°41.4'E MP 1000-1200Z++ 1st Wed. **TACAN** - HA CAS CH 32 (040/25) N45°11.63' E7°39.17' At TORINO. 961/0°41.5'E MP 0700-1100Z++ 1st and 3rd Fri. **NDB/LOM** - MHW 357.000 CAS N45°07.41' E7°38.72' 002° 4.6 NM to TORINO. Unk/0°41.6'E

CSL TVORW-DME MRA 25 NM 360°-040° 13,000'

040°-210° 4000'

210°-270° 13,000'

270°-360° 15,000'

CAS TACAN MRA 40 NM

040°-100° 6000'

100°-200° 12,000'

200°-230° 17,000'

230°-040° 22,000'

H-7C, L-9B

CASEMENT, (BALDONNEL) EI **EIME** MIL N53°18.10' W6°27.08' 319 UTC 0(+1DT)

H-3D-5A, L-3B

(B) **RWY-05** L5

(4800x150 ASP PCN 46 F/B/X/U)

L5,12,43,50 **RWY-23**

RWY-11 L5,9,12,43,50

(6001x150 ASP PCN 52 F/B/X/U)

L5,9,12,43,50 **RWY-29**

←5400

SERVICE - LGT - PAPI Rwy 23, 11, 29 GS 2.83°.

REMARKS - Opr HO.

COMMUNICATIONS - AREA - 122.8 **BALDONNEL APP - (R)** 122.0

BALDONNEL TWR - 123.5 **BALDONNEL GND** - 123.1

NAVAIDS - BALDONNEL DVORW-DME - HA 115.800 BAL CH 105 N53°17.99' W6°26.87'

At Fld. 300/5°09.7'W Due to rising terrain S of fac, signals may not be rcv at varying lo alt in sctr 130°-210° at ranges greater than 15 NM. **VHF/DF**

ILS/RADAR - ■ RADAR - DUBLIN MIL - 122.0 122.3 PAR - BALDONNEL TALKDOWN - 129.7

CASLAV, EZ **LKCV** MIL N49°56.38' E15°22.91' 794 UTC+1(+2DT) **H-4E-6I, L-6J, T-1A**
RWY-14 L7,34,50 (7875x197 CON PCN 31 R/C/W/T) L27,11,50 **RWY-32**

←NET UNK (98' OVRN) UNK(B) (1303')

UNK(B) (1248') NET UNK (93' OVRN) →

SERVICE - LGT - Non std lgt. **JASU** - Non std. **FUEL** - (NC-A1+) **FLUID** - OX, AIR, NIT

REMARKS - MISC - Transition Altitude 5000' MSL.

COMMUNICATIONS - APP - (R) 123.675 308.875X **TWR** - 133.0 118.25

NAVAIDS - CASLAV NDB - HHW 345.500 CF N49°54.24' E15°25.97' 315° 2.9 NM to Fld.

Unk/2°40.1'E

ILS/RADAR - ➡ILS - BRG 315° LCZR CF 111.75 GS 3.0° **■ RADAR** - PAR - Call PRECISION - 123.3 283.6.

CASSAGNES BEGONHES, FR **LFIG** CIV N44°10.67' E2°30.90' 2024
UTC+1(+2DT) **L-8G-11C**

RWY-10

(3445x66 CON S28)

RWY-28

←2625

REMARKS - Opr SR-SS.

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COMMUNICATIONS - RODEZ APP - Opr 0500-2100Z++ Mon-Fri; 0545Z++-SS+30 or 1745Z++ Sat; 0900-2100Z++ Sun and hol **(R)** 125.375

CASTEAU, BE See CHIEVRES AB

CASTEJON, SP DVORW-DME - HA 115.600 CJN CH 103 N40°22.32' W2°32.68' 3501/(A)3°00.0'W **NDB** - MHW 362.000 CTE N40°23.03' W2°31.37' Unk/1°53.7'W **H-16I, L-11B**

CASTELSARRASIN MOISSAC, FR NDB - MHW 327.000 CSM N44°05.23' E1°07.85' Unk/1°02.4'W **H-7A, L-8F**

CATALOI, RO LRTC CIV N45°03.75' E28°42.86' 200 UTC+2(+3DT) **H-4G, L-10H**
RWY-16 L7 (6517x98 CON PCN 37 R/C/W/T) **L7,33 RWY-34**

REMARKS - Opr 0530-1730Z++, OT O/R prior to 1300. **MISC** - DSNA Tulcea fone C+40-240-511581. Admin fone C+40-(0)240-513153 or C+40-(0)240-512910.

COMMUNICATIONS - TULCEA APP - 120.3 **TULCEA TWR** - 120.3

NAVAIDS - TULCEA VORW-DME - HA 114.800 TLA CH 95 N45°04.72' E28°42.57' 163° 1.0 NM to Fld. 278/4°50.0'E **TULCEA NDB** - HW 422.000 TLC N44°59.55' E28°44.18' 347° 4.3 NM to Fld. 52/4°49.4'E
TLA VOR/DME unuse 280°-060° byd 29 NM

CATANIA FONTANAROSSA, (LANZA DI TRABIE) IT LICC CIV
N37°28.01' E15°03.98' 39 UTC+1(+2DT) **H-15C, L-14F**

(B) **RWY-08** L4,5,9,50 (7989x148 ASP PCN 50 F/B/W/T) **L4,5,9,50 RWY-26**
7677→ ←7710

SERVICE - AOE **LGT** - PAPI Rwy 08 MEHT 52', Rwy 26 MEHT 62'. (PAPI Rwy 08 cov 5° rgt/8° left) **FUEL** - (NC-100LL, A1) (100LL avbl 30 min PN 0700-1130Z++, 1330-1700Z exc hol) (A1 avbl H24 sked flt; avbl 0500-2300Z++, OT ntc by 1600Z++ prev day non-sked flt)
OIL - O-123

REMARKS - **RSTD** - Twy A open for state flt only subj agreement with lcl auth. Arr acft flw-me mand. **CAUTION** - Bird act. Lo level wind shear possible. P-line and bldg on short final to Rwy 08. Hi trees on short final to Rwy 26. Twy D (midfld) clsd. Twy C clsd to acft with max wt over 68 tons. Taxi with ctn due to unctl tfc mov to/fr operational prk bay to join Twy A. Parts of rwy, twy and ramp not vis SW of twr. **MISC** - Arr acft may be delayed or diverted due to ltd prk. Taxi with flw-me rqd all arr acft. Acft with 17 tons max wt using gen avn prk for more than 2 hr rqr PPR at fone 39095340937 and fax 39095349544.

COMMUNICATIONS - APP - (R) (E) 119.25 340.1 344.0 **DIRECTOR - (R) (E)** 120.8 344.3
TWR - (E) 118.7 257.8 234.5 **GND** - Opr 0600-2200Z++ 129.725

NAVAIDS - CATANIA FONTANAROSSA VORW-DME - HA 116.250 CTF CH 109(Y) (200/50) N37°27.87' E15°03.75' At Fld. 45/2°02.5'E **CATANIA FONTANAROSSA NDB** - HW 407.000 CTF N37°27.82' E15°03.75' At Fld. Unk/2°02.5'E **VHF/DF**
CTF VOR/DME MRA 40 NM 000°-035° 20,000'
035°-060° 14,000'
060°-190° 6000'
190°-350° 10,000'
350°-000° unuse
CTF NDB MRA 50 NM 000°-035° 20,000'
035°-060° 14,000'
060°-190° 6000'
190°-350° 10,000'
350°-000° unuse

ILS/RADAR - ILS-DME 08

CAUMONT, FR LFMV CIV N43°54.44' E4°54.11' 124 UTC+1(+2DT) **H-7B, L-11D**
RWY-17 L1,5,9,50 (6168x148 ASP PCN 38 F/C/W/T) **L1,5,9,50 RWY-35**
5512→ ←5151

SERVICE - **LGT** - PAPI Rwy 17 MEHT 35', PAPI Rwy 35 GS 3.35° MEHT 39'. PCL with PPR thru admin. Fone C04.90.81.51.51. **FUEL** - (NC-100LL, A1) **OIL** - O-123

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REMARKS - Opr 0600-2230Z++ Mon-Fri, 0600-SS+30 Sat, 1000-2230Z++ Sun.

CSTMS/IMG - CSTMS avbl O/R 0700-1900Z++.

COMMUNICATIONS - AVIGNON ATIS - Opr H24 120.825 **AVIGNON APP** - 120.875
AVIGNON TWR - 122.6

NAVAIDS - CAUMONT NDB - MHW 369.000 CM N43°54.50' E4°54.32' At Fld. 124/0°1.0'E
VHF/DF

ILS/RADAR - ➔ **LOC-DME** - BRG 170° LCZR AN 110.5 CH 42 GS 3°

CAZAUX, FR **LFBC** MIL N44°32.00' W1°07.50' 84 UTC+1(+2DT) **H-7A, L-8E-11B**
RWY-06 L5,9,50 (7900x148 ASP PCN 24 R/D/W/T) L5,9,24,50 **RWY-24**
61QSII 500S (105' OVRN) UNK (1297') 500S (1147') 61QSII 500S (105' OVRN)

SERVICE - AOE **FUEL** - (NC-100LL, A1+) **FLUID** - LHOX LOX **OIL** - O-147-156

REMARKS - Opr 0730-1610Z++ Mon-Thu; 0730-1430Z++ Fri; OT PPR prior to 1500Z++
Mon-Thu or before 1100Z++ the prev bus day for Fri-Sun and hol. **RSTD** - PPR before
1500 lcl prev day. Fone C05.57.15.51.20 extn 23810. Auth Nr must be inserted in fld 18 of
FPL. Ovtf proh blw 1000'. NORDO proh.

COMMUNICATIONS - **APP** - (U) 142.45 119.6 275.3 339.775 362.3 **TWR** - (U) 118.4 122.1
257.8 264.725

NAVAIDS - CAZAUX TACAN - HA CAA CH 45 N44°31.87' W1°08.16' At Fld. 74/1°46.0'W
CAZAUX NDB - MHW 382.000 CAA N44°33.08' W1°07.20' 194° 1.1 NM to Fld.

Unk/1°46.3'W Opr 0710-1610Z++ Mon-Fri OT O/R before 1500Z++ **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 240° LCZR CAA 110.1 GS 3.0° ■ **RADAR** - ASR - Call RADAR -
(277.95 369.225 Mil) (120.1 Civ) PAR - Call GCA - (265.9 277.95 336.1 369.225 Mil) (120.1
Civ)

CEKMECE, TU **NDB** - MHW 328.000 CEK N41°00.35' E28°31.68' Unk/4°12.6'E **H-4H**

CELLE, GM **ETHC** MIL N52°35.47' E10°01.33' 129 UTC+1(+2DT) **H-5D, L-5C**
(B) **RWY-08** L5,50 (6007x148 ASP) L2,5,24,50 **RWY-26**

SERVICE - AOE **FUEL** - J8 **OIL** - O-133-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - Practice
apch and dep of non-homebased acft are proh fr 1100-1300Z++. 24 hr PPR for F/W acft.
No practice apch Rwy 26. Ngt VFR pat alt 1000'. **CSTMS/AG/IMG** - O/R, 24 hr. No
cargo. **MISC** - South twy clsd to F/W acft. Parking areas other than in front of Hgr 1 must
be req in FPL item 18. Fone C05141-9483, extn 2321/2322. PPR and/or accommodation
req via AFTN only, ETHCZPX.

COMMUNICATIONS - **BREMEN CON** - (R) (E) 131.325 **RADAR** - (U) 130.5 283.925
379.275 **TWR** - (E) 40.6X 122.1 257.8 259.7 281.9 **A/G RDO** - 40.6

NAVAIDS - CELLE NDB - MHW 311.000 CEL N52°35.38' E10°01.77' At Fld. 173/1°08.0'E

CENTR, LO **NDB/LMM** - HW 297.000 C N48°36.49' E17°49.34' 011° 1.1 NM to PIESTANY.
Unk/3°10.4'E **H-4E-6J, L-10F-22E**

CEPIN, HR **LDOC** CIV N45°32.53' E18°38.17' 299 UTC+1(+2DT) **L-10F**
RWY-10 L6,14 (3937x98 ASP PCN 24 F/C/Y/T) L6 **RWY-28**
RWY-10R (3615x148 GRE) **RWY-28L**

REMARKS - **RSTD** - Clsd UFN.

COMMUNICATIONS - **OSIJEK APP** - 118.8

NAVAIDS - CEPIN NDB - HW 372.000 CE N45°31.71' E18°33.60' 073° 3.3 NM to Fld.
305/3°6.0'E

CERVIA, (G CENNI) IT **LIPC** MIL N44°13.45' E12°18.43' 18 UTC+1(+2DT) **H-7D, L-12E**
(B) **RWY-12** L2,3,4,5,10,50 (10007x148 ASP SWL30) L3,4,5,12,50 **RWY-30**
9618→ ←9630
HOOK BAK-12A(B) (1031') HOOK BAK-12A(B) (1006')

B-100 AIRPORT/FACILITY DIRECTORY

SERVICE - LGT - PAPI Rwy 12 MEHT 53', Rwy 30 GS 2.8° MEHT 44'. **FUEL** - Avbl 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri, OT O/R. 100LL, J8. **FLUID** - De-Ice (avbl 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri, OT O/R). LHOX LOX (avbl tran acft 24 hr PN). **OIL** - O-113-117-128-133-147-148-155

REMARKS - RSTD - PPR 24 hr PN thru Base OPS. **CAUTION** - Hvy acft taxi with caution S aprn due to obst. 61' AGL obst 5512' before Rwy 12 197' rgt RCL UFN.

COMMUNICATIONS - ROMAGNA APP - Opr 0800-1300Z++ Mon, Wed, Fri, 1300-1900Z++ Tue, Thu, H24 Sat, hol. OT O/R. **(R) (E)** 118.15 122.1 118.575X 234.275 379.5 362.3 **TWR - (E)** 122.1 257.8 338.225

NAVAIDS - CERVIA TACAN - HA CEV CH 83 (040/25) N44°12.39' E12°21.43' 296° 2.4 NM to Fld. 53/1°47.4'E MP 0700-1000Z++ 1st and 3rd Mon. **CERVIA NDB** - MHW 387.000 CEV N44°16.06' E12°10.81' 115° 6.1 NM to Fld. Unk/1°45.2'E MP 0900-1200Z++ 1st and 3rd Fri.

CEV TACAN MRA within 40 NM 140°-290° 7500'

290°-360° 4000'

360°-140° 2000'

CEV NDB MRA within 15 NM 140°-280° 2500'

ILS/RADAR - ILS - MP 0700-1100Z++ 2nd and 4th Mon. **■ RADAR** - GCA - 123.3 279.25 338.9 PAR - 279.25. Transponder rqr for ASR. Opr 0700-1530Z++ Mon-Thu, 0700-1200Z++ Fri, Sat, hol. OT Base necessities only.

CESKE BUDEJOVICE, EZ LKCS CIV N48°56.78' E14°25.65' 1417 UTC+1(+2DT)

H-4E-6I, L-6J-10E

(B) **RWY-09**

(8202x262 CON PCN 38 R/B/W/T)

RWY-27

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr 0700-1400Z Sat, Sun, hol 15 Apr-15 Oct. **RSTD** - Use first 3018 ft of Rwy 09 only. Remainder of rwy available to Czech Military only.

COMMUNICATIONS - INFO - 129.25

CEWICE, PL EPCE MIL N54°24.96' E17°45.80' 495 UTC+1(+2DT) H-8F-2H-5E, L-2G-21A

RWY-07

(8214x170 ASP PCN 21 R/B/X/T)

RWY-25

SERVICE - FUEL - (NC-A1)

COMMUNICATIONS - INFO - 128.5

CEYZERIAT, FR LFHS CIV N46°12.05' E5°17.52' 857 UTC+1(+2DT) L-8H-9A

RWY-18 L1,7,9,50

(3737x98 ASP S23)

L1,7,50 **RWY-36**

SERVICE - LGT - PAPI Rwy 18-36 MEHT 23'. PCL do not ctl PAPI. PCL with PPR fr INFO before 1600Z++. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0830-1100Z++, 1300-1700Z++ Tue-Fri exc hol; HX Mon, Sat.

COMMUNICATIONS - BOURG INFO - 118.45

CHABELLEY, (CHEBELLEY) DJ HDCH MIL N11°31.01' E43°03.69' 279 UTC+3 L-20G

RWY-10 L7,53

(8545x98 ASP AUW154)

L7,53 **RWY-28**

REMARKS - RSTD - Rstd to emerg and state acft use only.

CHABEUIL, FR LFLU MIL/CIV N44°55.30' E4°58.19' 525 UTC+1(+2DT) H-7B, L-8H-11D

RWY-01 L1,5,9,50

(6890x148 ASP

L1,7,9,50 **RWY-19**

6119→

S115 T162 ST175 TT305)

SERVICE - LGT - PAPI Rwy 01 MEHT 46', Rwy 19 MEHT 43'. **FUEL** - (Mil avbl SR-SS exc Sat, Sun and hol) (Civ avbl 0700-1100Z++, 1230-1800Z++ Mon-Fri; 0800-1100Z++ Sat, OT O/R PPR 24hr PN before 1200Z++ Fri.) (NC-100LL, A1) **OIL** - O-117-123-125

REMARKS - Opr 0700-1800Z++ Mon-Fri; 0800-1100Z++ 1230-1700++ Sat; 1230-1700Z++ Sun and hol. **CSTMS/AG/IMG** - Avbl 3 hr PN Mon-Fri; O/R before 1700Z++ prev workday for Sat, Sun, hol.

COMMUNICATIONS - VALENCE TWR - 120.1

NAVAIDS - VHF/DF

ILS/RADAR - →**ILS-DME** - BRG 010° LCZR VE 110.15 CH 38(Y) GS 3° LOM VE 320

AIRPORT/FACILITY DIRECTORY B-101

CHAH BAHAR, IR OIZC MIL N25°26.60' E60°22.93' 43 UTC+3:30 **H-13D, L-18H**
(B) **RWY-09L** L43,50,55 (12514x150 ASP) LA,43,55 **RWY-27R**
←HOOK UNK (168' OVRN) HOOK UNK(B) (3000') HOOK UNK (75' OVRN) →
RWY-09R (9844x150 ASP) L43 **RWY-27L**
HOOK UNK (265' OVRN) →

SERVICE - FUEL - (NC-J4).

REMARKS - Opr SR-SS.

COMMUNICATIONS - APP - Opr H24. **(V)** 134.1 **TWR - (V)** 125.2 121.7 261.4 310.6 257.8 317.5

NAVAIDS - CHAH BAHAR VORTACW - HA 116.900 CBH CH 116 N25°26.72' E60°25.28' 266° 2.1 NM to Fld. 50/(A)1°00.0'E **UHF/DF**

CHALGROVE, UK EGLJ CIV N51°40.57' W1°04.85' 240 UTC 0(+1DT) **H-6F, L-4G**
RWY-06L7 (4229x151 ASP) L7,43 **RWY-24**
RWY-13L7 (5909x151 ASP) L7 **RWY-31**
5738→
RWY-18L7A,43 (4167x151 ASP) L7 **RWY-36**
←4016

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0830-1630Z++ Mon-Thu, 0830-1230Z++ Fri. **RSTD** - PPR. **CAUTION** - Ejection seat tests any time to 600 AGL. **TFC PAT** - To the N at 1000' AGL. **NS ABTMT** - No tkof Rwy 18.

COMMUNICATIONS - RDO - 125.4

CHALLANGES, FR LFGF CIV N47°00.35' E4°53.61' 656 UTC+1(+2DT) **L-8H**
RWY-03 L1,7,50 (3462x98 ASP S23) L1,7,50 **RWY-21**
3001→

SERVICE - LGT - PAPI Rwy 03-21 GS 3.5° MEHT 20'. PCL with PPR fr Beaunois Aero Club C03 80 22 21 93. **FUEL** - (NC-100LL)

REMARKS - Opr HX. **RSTD** - Ovft proh Ruffey-Les Beaune, Combertain, Vignoles Chevignerot and Levernois. PPR to Dijon APP CON. **CAUTION** - Aerobatic and ultralgt act in area.

CHALLES LES EAUX, FR LFLE CIV N45°33.66' E5°58.55' 973 UTC+1(+2DT)
L-8H-9A
RWY-15 (3281x66 ASP S23) **RWY-33**
REMARKS - Opr HX.

CHAMBERY, FR VORW-DME - L 115.400 CBY CH 101 (080/50) N45°52.91' E5°45.44' 4783/0°09.9'E **H-7B, L-8H-9A**

CHAMBLEY, FR LF--/LF52 MIL N49°01.53' E5°52.56' 866 UTC+1(+2DT) **H-6G, L-6F**
RWY-05L53 (7874x148 ASP S92) L53 **RWY-23**

SERVICE - FUEL - (NC-A1+)

REMARKS - Opr by NOTAM.

CHAMPAGNE, FR LFSR MIL (CIV) N49°18.60' E4°03.00' 312 UTC+1(+2DT)
H-6G, L-6F-7D
RWY-07L5,9A,50 (8143x157 ASP S65 T83 ST106 TT162) L5,9,17,50 **RWY-25**
←A40 UNK (50' OVRN) A40 UNK (50' OVRN) →

SERVICE - LGT - PAPI Rwy 07 MEHT 55', PAPI Rwy 25 GS 2.5° MEHT 49'. PAPI Rwy 25 not aligned with ILS GS. **FUEL** - Avbl 0600-1900Z++ Mon-Thu, 0600-1500Z++ Fri. (NC-A1+) **FLUID** - LOX

REMARKS - Mil opr 0730-1610Z++ Mon-Thu, outside these times O/R before 1500Z++; 0730-1355Z++ Fri, outside these times O/R before 1355Z++; Sat and Sun O/R before 1355Z++ Fri; hol O/R before 1500Z++ preceding open day. **RSTD** - PPR min 3 day PN to Director of Flight, fone C03 26 79 54 52. **CSTMS/IMG** - CSTMS avbl 0730-1610Z++, fone C03 26 87 65 26.

B-102 AIRPORT/FACILITY DIRECTORY

COMMUNICATIONS - REIMS APP - (R) (E) 119.8 142.45 342.225 362.3 284.825X

REIMS TWR - 118.275 122.1 257.8 314.475 **GND** - 122.1 257.8 **AFIS** - 118.275

NAVAIDS - REIMS VORTACW - HA 112.300 REM CH 70 (060/50) N49°18.70' E4°02.72'

At Fld. 335/(A)2°0.0'W CH 70 not co-lctd N49°18.6' E04°02.5' **VHF/UHF/DF**

ILS/RADAR - ➔ILS - BRG 248° LCZR RC 110.1 GS 2.5° **■ RADAR** - ASR - Call REIMS RADAR
- 123.3x 140.6x 233.575x 265.9x 336.1x 370.775x PAR - Call REIMS GCA - 123.3x 140.6x
233.575x 265.9x 336.1x 370.775x

CHAMPFORGEUIL, FR **LFLH** CIV N46°49.57' E4°49.06' 623 UTC+1(+2DT) **L-8H**
RWY-17 L1,7 (4725x98 ASP S28) L1,7,9,50 **RWY-35**
3904→ ←4199

SERVICE - LGT - PAPI Rwy 35 GS 3.7° MEHT 30'. PCL with PPR thru INFO. **FUEL** -
(NC-100LL, A1)

REMARKS - Opr SR-SS.

COMMUNICATIONS - CHALON INFO - Opr 0800-1100Z++, 1300-1700Z++. 118.6

ILS/RADAR - ➔LOC - BRG 352° LCZR CC 108.5 LOM CC 391

CHANIA, GR **VORW-DME** - HA 108.600 SUD CH 23 (040/25) N35°31.32' E24°10.46' 293°
1.3 NM to SOUDA. 530/(A)0°0.0'E **NDB** - MHW 409.000 SUD N35°31.25' E24°09.13'
At SOUDA. Unk/3°7.0'E
SUD VOR unusé byd 25 NM blw 9000'
H-10G, 15E, L-14H

CHARLEROI, BE See BRUSSELS SOUTH

CHARLES DE GAULLE, FR **LFPG** CIV N49°00.77' E2°33.00' 392 UTC+1(+2DT)
H-6G, L-7D
RWY-08L L2,3,4,5,13,50 (13829x148 ASP PCN 100 R/B/W/T) L2,3,4,5,9,13,50 **RWY-26R**
←11860
RWY-08R L2,3,4,5,13,50 (8858x197 CON PCN 68 R/C/W/T) L2,3,4,5,13,50 **RWY-26L**
RWY-09L L3,4,5,9,23,50 (8858x197 ASP PCN 77 F/C/W/T) L3,4,5,9,23,50 **RWY-27R**
RWY-09R L2,3,4,5,13,50 (13780x148 ASP PCN 100 R/B/W/T) L2,3,4,5,13,50 **RWY-27L**
←11811

SERVICE - AOE FUEL - (NC-A1, J4)

REMARKS - RSTD - PPR. **NS ABTMT** - See AP/2 Supplementary Arpt Info. **MISC** - Rwy
08R-26L grooved, 131' wide, 984' fr both thld. **RWY** - Rwy 08L-26R PCN fr thld Rwy 26R
to 1968' PCN 100 F/C/W/T. Rwy 09R-27L PCN fr thld 27L to 1968' PCN 95 F/C/W/T.

COMMUNICATIONS - DE GAULLE ATIS - 127.125 **DE GAULLE APP - (R)** 121.15 125.825
119.85 126.425 118.15 136.275 126.575 **DE GAULLE TWR** - 119.25 123.6 120.9 118.65
125.325 120.65 (Rwy 09/27 119.25, 123.6, 120.65)(Rwy 08/26 120.9, 118.65, 125.325)
DE GAULLE GND - 121.6 121.775 121.8 121.975 (North Zone 121.6, 121.775)(South Zone
121.8, 121.975) **DE GAULLE TRAFFIC** - 118.1 119.55 121.925 131.6 (Apron B, D
118.1)(Apron F 119.55)(Apron A, C, E 121.925)(Apron I, EN 131.6)
DE GAULLE DEP - (R) 124.35 133.375 131.2 126.575 **DE GAULLE PREFLIGHT** - 126.65
121.725

NAVAIDS - CHARLES DE GAULLE VORW-DME - HA 115.350 CGN CH 100(Y) (060/25)

N49°01.20' E2°30.01' 102° 2.0 NM to Fld. 356/1°2.0'W

CHARLES DE GAULLE VORW-DME - HA 117.050 PGS CH 117(Y) (110/50) N48°59.97'
E2°37.43' 285° 3.0 NM to Fld. 325/1°0.0'W

ILS/RADAR - ➔ILS-DME 27R - BRG 266° LCZR PNW 110.35 CH 40(Y) GS 3° ➔**ILS-DME** 09L -
BRG 086° LCZR PNE 109.35 CH 30(Y) GS 3° ➔**ILS-DME** 27L - BRG 266° LCZR CGW 110.7
CH 44 GS 3° LCTR RSY 356 ➔**ILS-DME** 09R - BRG 086° LCZR CGE 110.1 CH 38 GS 3° LCTR
RSO 364 ➔**ILS** 26R - BRG 266° LCZR GAU 109.1 GS 3° LCTR CGZ 370 ➔**ILS** 08L - BRG 086°
LCZR GLE 108.7 GS 3° LCTR CGO 343 ➔**ILS-DME** 26L - BRG 266° LCZR DSU 108.35 CH
20(Y) GS 3° ➔**ILS-DME** 08R - BRG 086° LCZR DSE 108.55 CH 22(Y) GS 3°

CHARLEVILLE MEZIERES, FR **LFQV** CIV N49°47.04' E4°38.82' 489
UTC+1(+2DT) **L-6F**

RWY-11 L5,9,23 (4921x98 ASP S27 T41 TT50)

L5,9 **RWY-29**
←4265

AIRPORT/FACILITY DIRECTORY B-103

SERVICE - FUEL - Avbl INFO hrs. (NC-100LL, A1)

REMARKS - Opr HX. **RSTD** - NORDO proh. **CSTMS/AG/IMG** - CSTMS avbl SR-SS and O/R 24hrs.

COMMUNICATIONS - INFO - Opr 0900-1100Z, 1300-1600Z Mon-Fri (0700-1000Z, 1200-1500Z sum). 119.0

ILS/RADAR - ➔**ILS** - BRG 113° LCZR CZ 109.5 GS 3° LOM CZ 379

CHARLIE, GM **VORW** - T 115.500 CHA (060/25) N49°55.27' E9°02.39' 532/0°54.9'E
CHA VOR unusé
175°-185° byd 25 NM blw 6500'
210°-230° byd 25 NM blw 5500'

H-6I, L-6H

CHARMEIL, FR **LFV** MIL/CIV N46°10.18' E3°24.22' 817 UTC+1(+2DT) **H-7B, L-8G**
RWY-01 L7 (7218x148 ASP) **L7 RWY-19**
S83 T120 ST153 TT213)

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr 0900-1200Z++, 1400-1800Z++ Tue-Fri. **CSTMS/AG/IMG** - Avbl 0800-1100Z++, 1300-1700Z++ 1 May to 30 Sep; OT O/R with PN.

COMMUNICATIONS - VICHY INFO - 121.4 **REMARKS**: Opr 0830-1100Z++, 1330-1700Z++ Tue-Thu (0830-1100Z++, 1330-1700Z++ Tue-Fri 1 May-30 Sep)

NAVAIDS - VHF/DF

ILS/RADAR - ➔**ILS** - BRG 010° LCZR VZ 109.9 GS 3° LCTR VZ 403

CHARNAY, FR **LFLM** CIV N46°17.71' E4°47.75' 728 UTC+1(+2DT) **L-8H**
RWY-17 L1,7,50 (4036x79 ASP S23) **L1,7,9 RWY-35**
3675→

SERVICE - LGT - PAPI Rwy 18 GS 3.5° MEHT 18'. PPR for PCL thru MACON INFO before 1600Z++ prev work day. **FUEL** - Avbl 0900-1100Z++, 1300-1600Z++ Tue-Sun (fuel avbl Sun thru Aero Club at fone C03 85 34 18 54). (NC-100LL, A1)

REMARKS - Opr 0900-1100Z++, 1330-1600Z++ Tue-Fri. OT PN before 1600Z++ prev work day.

COMMUNICATIONS - LYON APP - 135.2 abv FL065 **MACON INFO** - 119.0

CHARTRES, FR **VORW-DME** - HA 115.200 CHW CH 99 (100/50) N48°28.80' E0°59.22'
702/(A)3°0.0'W (180/50 135°-225°) **H-6F-7A, L-7C**

CHATEAUBERNARD, FR **LFBG** MIL N45°39.50' W0°19.05' 102 UTC+1(+2DT)
H-7A, L-8F
RWY-05 L5,9 (7949x148 PEM S37 T51 ST65 TT88) **L5,9,24 RWY-23**
7495→ ←7490
←NET UNK (EOR) NET UNK (75') →
RWY-09 L5 (6152x197 MAC S46 T65 ST82 TT120) **L5 RWY-27**
5870→ ←5785

SERVICE - LGT - Rwy 23 apch lgts unusable. **FUEL** - Avbl 0715-1600Z++ Mon-Thu, 0715-1515Z++ Fri. (NC-100LL, A1+) **FLUID** - LHOX

REMARKS - Opr SR-SS. **RSTD** - PPR. Fone C05.45.32.74.29. Show apvl Nr on line 18 of FPL. Ovft proh blw 1000'. Rpt LDA Rwy 05 7497'. **CSTMS/IMG** - O/R 48hr P/N. **MISC** - Rwy 05-23, 6234' grooved. Rwy 09-27 grooved.

COMMUNICATIONS - COGNAC APP - Opr 0715-1600Z++ Mon-Thu, 0715-1515Z++ Fri. (R) (U) 122.55 142.45 142.875 234.05 276.25 293.725 362.3 MP 0700-1100Z++ Thu. **COGNAC TWR** - Opr 0715-1600Z++ Mon-Thu, 0715-1515Z++ Fri. 120.075 122.1 122.55 257.8 308.875 MP 0700-1100Z++ Thu. **COGNAC OPS** - Opr 0715-1600Z++ Mon-Thu, 0715-1515Z++ Fri. 139.925 MP 0700-1100Z++ Thu.

NAVAIDS - COGNAC VORW-DME - HA 114.650 CNA CH 93(Y) (100/50) N45°39.57' W0°18.70' At Fld. 85/(A)3°0.0'W **COGNAC TACAN** - HA CGC CH 109 (160/50) N45°39.69' W0°18.47' At Fld. 93/1°37.0'W **COGNAC NDB** - HW 354.000 CGC N45°40.16' W0°18.37' At Fld. 113/1°37.0'W **VHF/UHF/DF**

B-104 AIRPORT/FACILITY DIRECTORY

ILS/RADAR - ➔ **ILS** - BRG 232° LCZR CGC 109.9 GS 3° ■ **RADAR** - ASR - Call Cognac RADAR
- 318.175 PAR - Call Cognac GCA - 138.025 234.625. MP 0700-1100Z++ Thu.

CHATEAUDUN, FR **LFOC** MIL N48°03.49' E1°22.60' 433 UTC+1(+2DT)

H-6F-7A, L-7C

(B) **RWY-10** L5,9,50

(7552x148 ASP
S65 T101 ST128 TT198)

L5,9,50 **RWY-28**

←NET UNK (30' OVRN)

SERVICE - **LGT** - Rot Bcn flg W coded P O/R. **A-GEAR** - Manually operated. **FUEL** - 100LL, A1+ **FLUID** - OXRB LOX **OIL** - O-133-156

REMARKS - Opr 0730-1600Z++ Mon-Thu, 0730-1400Z++ Fri. **RSTD** - PPR fr Flt Director, fone C33.02.37.44.82.88. Address FPL to LFOJZPX. Rpt PPR Nr in FPL item 18. NORDO proh. **MISC** - Rwy 10-28 grooved. Rwy 10 fst 672' S23 T32 TT69 . Rwy 28 fst 778' S42 T55 TT116

COMMUNICATIONS - **BRICY APP** - (U) 122.7 138.75 142.45 313.225 362.3 370.575 373.575 **TWR** - (U) 125.625 122.1 257.8 342.175 **GCA** - (R) (U) 123.3X 142.1X 265.9X 311.675X 336.1X 374.925X

NAVAIDS - **CHATEAUDUN VORW-DME** - HA 117.200 VMP CH 119 N48°03.53' E1°23.33' At Flt. 433/(A)3°0.0'W **CHATEAUDUN NDB** - MHW 359.500 CDN N48°03.75' E1°21.82' At Flt. 433/1°19.0'W **VHF/UHF/DF**

ILS/RADAR - ■ **RADAR** - ASR/PAR - Call GCA - (U) 123.3x 142.1x 269.7x 291.2x 344.0x 385.4x

CHATEAUROUX, FR **NDB** - HW 428.000 CTX N46°56.20' E1°48.07' 213° 5.3 NM

to DEOLS. 539/1°4.0'W **H-7B, L-8G**

CHATILLON SUR MARNE, FR **VORW-DME** - HA 117.600 CTL CH 123 (070/50)

N49°08.26' E3°34.66' 641/(A)3°0.0'W (100/50 060°-315°) **H-6G, L-6F-7D**

CHEB, EZ **VORW-DME** - HA 115.700 OKG CH 104 (075/50) N50°03.91' E12°24.34'

1600/1°52.0'E **H-6I, L-6I**

CHEBELLEY, DJ See CHABELLEY

CHEIKH LARBI TEBESSI, AG **DABS** CIV N35°25.90' E8°07.24' 2661 UTC+1

H-9D-15B, L-14E

RWY-11 L5

(9843x148 ASP PCN 59 F/D/W/T)

L5,A **RWY-29**

RWY-12 L5

(7874x98 ASP S20)

L5 **RWY-30**

SERVICE - **FUEL** - (NC-A1)

REMARKS - Opr 0700-1600Z. **CAUTION** - Bird haz. **CSTMS/IMG** - CSTMS avbl.

COMMUNICATIONS - **TEBESSA TWR** - 118.1 119.7

NAVAIDS - **TEBESSA VORW-DME** - HA 114.500 TBS CH 92 (200/50) N35°27.40' E8°04.12' 122° 3.0 NM to Flt. 2605/(A)2°0.0'W

CHEIKH SIDI MOHAMED BELKEBIR, AG See

TOUAT CHEIKH SIDI MOHAMED BELKEBIR

CHEKKA, LE **VORW-DME** - HA 116.200 CAK CH 109 N34°17.94' E35°41.98'

725/(A)2°00.0'E **H-13A-16G, L-16F**

CHERCHELL, AG **NDB** - MHW 397.000 CHE N36°36.08' E2°11.60' Unk/0°28.7'W

H-9C-15A-16I, L-13D

CHERIF EL IDRISSE, (AL HOCEIMA CHERIF EL IDRISSE) MO **GMTA** CIV

N35°10.63' W3°50.37' 95 UTC 0 **H-9B, L-13C**

RWY-18 L5,50

(8202x148 ASP PCN 35 F/C/W/T)

L5 **RWY-36**

SERVICE - AOE **FUEL** - (NC-100LL, A1)

AIRPORT/FACILITY DIRECTORY B-105

REMARKS - RSTD - Ovft of Spanish fort proh at all alt. Ngft flt O/R 12 hr in advance to Arpt Chief.

COMMUNICATIONS - AL HOCEIMA TWR - (V) 118.7 123.9

NAVAIDS - AL HOCEIMA VORW-DME - HA 115.000 ALM CH 97 N35°11.46' W3°50.50'
At Fld. 46/(A)5°0.0'W **AL HOCEIMA NDB** - HHW 401.000 ALU N35°10.87' W3°50.67'
At Fld. Unk/2°5.0'W

CHERSKY ACC, RS **UESS (CIV) (R) CON** - 133.4 133.4 Opr 2100-1100Z++. **T-2G**

CHIEVRES AB, BE **EBCV AF** N50°34.55' E3°49.86' 193 UTC+1(+2DT) **H-6G, L-5A**
(B) **RWY-08** L5,26,50 (5386x164 PEM PCN 25 F/C/W/T) L5,26,50 **RWY-26**

SERVICE - AOE **JASU** - 2(AM32-60A) 3(AM32-86D) 24 hr PN. **FUEL** - J8 **FLUID** - De-Ice
TRAN ALERT - No hgr space, tie downs, fleet svc or maint avbl. Ltd maint platform, fuel and marshallng avbl.

REMARKS - Opr 0800-1600Z++ Mon-Fri, clsd SHAPE and US hol. Due to lcl msn rqr the 309 AS/CC may close afld with 24 hr PN. For all acft with VIP code 5 and blw ldg other than nml duty hr, rqr SHAPE (ACOS/LOG) apvl C32 (0) 65444266 DSN 423-4266 dur opr hr. Apvl will be relayed to Airfield OPS for issuance of PPR, see RSTD. Drct any other afld questions to Airfield Management. **RSTD** - PPR 24 hr PN rqr, ctc Airfield OPS Chievres C+32 (0)68275411/5501, DSN 361-5411/5501, fax extn 5573. PPR times are slotted, acft arr 30 min prior or 30 min after apv arr must req new ppr or acft could be diverted. Before eng starts, ctc GND CON. Non-duty hr POC, Security Forces DSN 361-5211/5465. Trns work rstd to lo apch only for C-20 and larger acft. Twy A rstd to copter tfc only. Twy D avbl for daylt use only. **WARNING** - Bird sanctuary 2.5 NM N of RCL - DO NOT OVERFLY or be rgt of crs on FNA. Individuals doing apch trng which violate the proh area will be denied further trng. No RSRs auth at Chievres. **CAUTION** - 885' Overrun Rwy 08 unavbl for ldg. Overrun Rwy 08 stressed for tkoff only. Rwy 26 displ thld avbl for emerg roll out only. Bird haz. Unctl veh tfc on twy and ramp. Ltd amount of FLIPs avbl for tran crews. Men and eqpt operating wi rwy clr zones. **TFC PAT** - Helicopter rectangular pat: 700' MSL; Rwy 26 left tfc, Rwy 08 rgt tfc. Note: Ceil req 500' abv tfc pat alt or greater for the VFR pat to be used. See VFR ARR/DEP RTE, EUROPE. **NS ABTMT** - Ovft of HQ bldg, hosp (650M NW of HQ bldg) or hsg areas proh. **MISC** - Fst 1000' Rwy 08 conc. Intl aircrews must ctc SHAPE intl motorpool C32 (0) 65-444736, 24 hr in advance for Tran. Req dur inclement wx, aircrews provide PIREP to twr. Exp 1-2 hr dly for gnd transportation aft duty hr. No inst apch avbl to Rwy 08 cir apch via Rwy 26 apch pro. Due to lctn of wind sensor, Rwy 08 winds are est UFN. No COMSEC avbl, tran aircrews should plan to arr with adequate amount in case of extn dly. No pax processing. RSC/RCR not rpt in wx obsn (RSC-Runway Surface Condition). Request RSC/RCR fr twr.

COMMUNICATIONS - PTD - 279.1 **REMARKS:** (Call OPS dispatch 20 min prior to arr)
ASOS 3 - DSN 361-6051, C32 (0) 68276501. 371.625 **BRUSSELS APP** - (R) 126.625
389.375 362.3X **TWR** - (E) 136.5 122.1X 233.6 257.8 **GND** - (E) 141.75 308.85
BRUSSELS DEP - (R) 126.625

NAVAIDS - CHIEVRES VORW - HA 113.200 CIV (060/50) N50°34.43' E3°49.97' At Fld.
221/(A)1°18.0'W **CHIEVRES TACAN** - HA CIV CH 79 (060/50) N50°34.34' E3°49.31'
At Fld. 185/(A)2°00.0'W Unmto when AB clsd. MP 0700-0900Z++ Tue and Thu.
CIV TACAN unuse 056°-234° and 315°-326° byd 30 NM blw 3000'

ILS/RADAR - ILS-DME 26, **MLS**. 50 KHz freq separation avionics rqr to rcv lczr. MP
0800-1000Z++ Tue and Thu. Rstd to US mil only.

SHAPE PAD, (CASTEAU) BE **EBCH MIL** N50°29.93' E3°58.60' 289 UTC+1(+2DT)
(65x65 CON)

SERVICE - LGT - Pilot Controlled Lighting (PCL) - Single intensity, **ACTIVATE** - Push-to-talk (PTT) Five (5) times in three sec on freq 234.6. **NOTE:** OFF- seven(7) times in five sec.
(Lights automatically off after 10-15 min.)

REMARKS - RSTD - OFFL BUS ONLY. Unattended. 24 hr PPR thru HELO FLT OPNS, fone Chievres MIL DSN 361-5544/5558, C(+32)68275544, aft duty hr ctc Security Forces at extn 5211. Rstd to R/W acft with GW at ldg not to exceed 20,000 lb/9300 kg. **CAUTION** - Hi poles all sides. Ant NE and SW of pads. **TFC PAT** - No closed traffic allowed. See VFR ARR/DEP RTE, EUROPE. **NS ABTMT** - Ovft of HQ bldg, hosp (650 M NW of HQ Bldg) or housing areas proh.

B-106 AIRPORT/FACILITY DIRECTORY

COMMUNICATIONS - CHIEVERS TWR - 136.5 122.1 5 min prior to ldg and immed upon departure. **OPS** - 45.35

CHILTERN, UK **NDB** - MHW 277.000 CHT N51°37.38' W0°31.10' 141° 5.6 NM to NORTHOLT. Unk/2°26.7'W **L-4G**

CHIOGGIA, IT **VORW-DME** - HA 114.100 CHI CH 88 (080/50) N45°04.27' E12°16.89' 33/(A)0°00.0'E MP 1000-1100Z++ 1st Tue.
CHI VOR-DME MRA within 20 NM 4000'
byd 20 NM 6000'

H-7D, L-9C

CHIOS, (OMIROS) GR **LGHI CIV** N38°20.59' E26°08.43' 15 UTC+2(+3DT)

H-15E, L-12H-15A

(B) **RWY-01** L7,50 (4957x98 ASP PCN 27 F/B/X/U) L7,50 **RWY-19**
4497→ ←4730

SERVICE - LGT - PAPI Rwy 01-19 rcpt ltd to 10° either side of cntrline. PAPI Rwy 01 GS 3.02°, PAPI Rwy 19 GS 2.98°. **FUEL** - (NC-A1)

REMARKS - Opr by NOTAM.

COMMUNICATIONS - APP - (E) 124.0 **TWR - (E)** 122.7 257.8 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - CHIOS TVORW-DME - HA 110.800 HOS CH 45 (040/25) N38°20.97' E26°08.57' At Fld. 18/(A)0°00.0'E **MESTA VORW-DME** - HA 117.600 MES CH 123 (100/50) N38°15.10' E25°54.33' 061° 12.4 NM to Fld. 1165/(A)2°18.0'E **CHIOS NDB** - HW 299.000 HIO N38°20.38' E26°08.52' At Fld. 18/3°37.0'E

CHIVENOR, UK **EGDC MIL** N51°05.23' W4°09.02' 27 UTC 0(+1DT) **H-3C, L-4F**
RWY-10 L5,41 (6014x151 ASP) L5,41 **RWY-28**

SERVICE - FUEL - A1+

REMARKS - Opr 0800-2200Z++. **RSTD** - 24 hr PPR. **CAUTION** - Ints copter act.

COMMUNICATIONS - RDO - 130.2 252.8

ILS/RADAR - →**ILS** - BRG 277° LCZR CV 108.1 GS 3°

CHOCIWEL, PL **NDB** - HHW 375.000 CHO N53°28.52' E15°19.98' Unk/2°48.5'E
H-5E-8F, L-5GE

CHOKURDAKH ACC, RS **UESO (CIV)** (R) **CON** - 132.1 Opr 2200-1200Z++, OT ctc Tikis CON on 134.3 for awy G494, G495 abv FL 266. **Tiksi RDO** - 4712 **T-2G**

CHOKURDAKH, RS **NDB** - HHW 600.000 LT N70°38.20' E148°00.90' Unk/13°34.1'W Opr HO. **T-2G**

CHRISOUPOLIS, GR **NDB** - MHW 327.000 KHR N40°55.61' E24°37.96' 214° 1.0 NM to MEGAS ALEXANDROS INTL. 18/3°41.3'E **H-4G, L-12H**

CHURCH FENTON, UK **EGXG MIL** N53°50.06' W1°11.73' 29 UTC 0(+1DT)

H-5B, L-3C

(B) **RWY-06** L5,41,50 (6158x151 ASP) L5,24,50 **RWY-24**
5615→
RWY-16 L7,50 (5466x151 ASP) L7,50 **RWY-34**
←4811

SERVICE - LGT - ABn, red coded CF. Lgt Rwy 34 displ thld. **JASU** - 1(E1) **FUEL** - 100LL, A1+ O/R fr Linton. **FLUID** - LHOX **OIL** - O-123

REMARKS - Opr 0830-1715Z++ Mon-Thu, 0830-1700Z++ Fri-Sun, 24 hr PPR. **RSTD** - PPR. Rpt LDA Rwy 24 5615'. **CAUTION** - Full obst clnc criteria not met on apch to Rwy 06.

MISC - Apch end of Rwy 06 and 16 mrkd with nstd markings, 2 white lines 66' apart.

AIRPORT/FACILITY DIRECTORY B-107

COMMUNICATIONS - FENTON APP - (R) (E) 126.5 233.45 362.3X (126.5 254.525 MATZ)
FENTON DIRECTOR - 338.7 344.0 **FENTON TWR** - 122.1X 234.1
FENTON GND - 121.95X 341.225

NAVAIDS - VHF/DF

ILS/RADAR - ➔ILS - BRG 236° LCZR CF 109.3 GS 3°. ■ **RADAR** - PAR - Call FENTON
TALKDOWN - (E) 123.3x 386.725 385.4x

CIAMPINO, (ROME CIAMPINO) IT LIRA MIL/CIV N41°47.96' E12°35.70' 427

UTC+1(+2DT) **H-7D-15C, L-12E**

(B) **RWY-15** L3,4,5,33,50

(7242x154 ASP SWL77)

L4,5,50 **RWY-33**

SERVICE - AOE **LGT** - PAPI Rwy 15 MEHT 65', Rwy 33 GS 3.5° MEHT 49'. **FUEL** - A1 (Eni S.p.A. avbl 0500-2300Z++, OT 24 hr PN \$100 ea occurrence, C+39-06-79340084) (NC 100LL avbl 0500-2230Z++, OT 3 hr PN C+06-79340297). J8 (Mil).

REMARKS - RSTD - PPR 24 hr PN prior arr, 31st Wing Base OPS, Fone C0039-06-4940923, 06-79702632, 06-79702378; fax C0039-06-79702210. PPR for Sat, Sun must be req on Fri til 1300Z++. PPR Nr must be rpt on FPL, item 18. Mil acft proh 2300-0500Z++ exc rescue flt, state flt, opr flt and acft certified according to ICAO Annex 16, Chapter 3 and 5. Derogation subj under specific apvl by Second Air Region. Ldg Rwy 33 dur SS-SR+30 is allowed only to lcl based acft and subj lcl arpt auth; PAPI mand dur ngt hr or vis less than 5 km. Copter tkof/lldg on rwy only. Pln rwy exit last twy unless chgd by ATC. **CAUTION** - Ocnl bird act. 82' AGL hgr lctd 25' before Rwy 15 thld and 1394' rgt RCL. Multi obst on/around arpt. **NS ABTMT** - APU auth wi 60 min of ETD or 20 min of ATA. **MISC** - Bldg immed adj (W) of mil VIP hot spot off-limits to aircrews. Flw-me svc avbl H24 by ITAF for all VIP acft auth to use NW mil prk area and for NATO mil acft.

COMMUNICATIONS - ROMA DIRECTOR - Trml and SSR, Opr 0700-1900Z++ (R) (V)

119.2 **ROMA ARR** - Opr 0700-1900Z++ (R) (V) 119.2 **TWR** - (E) 120.5 122.1 257.8

308.775 **GND** - Opr 0700-2130Z++ 121.75 **CLNC DEL** - ATC Discretion 119.4

NAVAIDS - ROMA VORW-DME - L 110.800 ROM CH 45 (040/25) N41°48.27' E12°35.28'

At Fld. 426/1°48.0'E **CIAMPINO NDB** - HW 412.000 CIA N41°51.90' E12°33.65' 157°

4.2 NM to Fld. Unk/1°46.0'E MP 0900-1100Z++ 1st Tue.

ROM VOR-DME MRA 40 NM

000°-045° 8000'

045°-080° 9500'

080°-170° 16,000'

170°-360° 5000'

040°-100° 13,000'

100°-130° unuse

130°-150° 9000'

150°-250° 5500'

250°-300° 12,000'

300°-040° unuse

CIA NDB MRA 25 NM

ILS/RADAR - ILS

CENTOCELLE HELIPORT, IT LIRC MIL N41°52.33' E12°33.74' 158

UTC+1(+2DT) **L-12E**

RWY-05

(1740x120 ASP)

RWY-23

(143x105 BIT UH60)

(141x105 PEM UH60)

REMARKS - Opr SR-SS. **RSTD** - Clsd to F/W acft. Two helipads: 143'x105' BIT and 141'x105' PEM.

NAVAIDS - VHF/DF

CIGLI, (IZMIR) TU LTBL MIL N38°30.78' E27°00.60' 16 UTC+2(+3DT) **H-15E, L-12H-15A,**

(B) **RWY-17** L5,33,50

(9821x147 ASP PCN 64 F/B/X/T)

L5,33,50 **RWY-35**

←NET BEFAB (155' OVRN) 500S(B) (1280')

500S(B) (865') NET BEFAB (137' OVRN) →

B-108 AIRPORT/FACILITY DIRECTORY

REMARKS - CAUTION - Ints Turkish Undergraduate Pilot Trng in progress 0545-1500Z++ Mon-Fri, 0545-1100Z++ Sat, freq ngt flying. Acft on IFR apch will not descend blw 2500' unless instr by Twr or PAR controller. Com btn ATC and lcl trng acft is conducted on a discrete freq in the Turkish language separate fr that used for tran acft. US Mil acft should exer extreme ctn when Turkish pilot trng is in progress. Twr will not provide tfc advsy unless req by aircrew, twr workload permitting. Cigli AB opr on the see and avoid principle for all (IFR and VFR) acft in VMC cond. **CSTMS/IMG** - CSTMS, IMG rqr two copies of crew lists or flt orders for flt entering or dep TU. Two additional copies will be attached to the manifest when PAX are aboard. **MISC** - Ltd VFR practice inst apch dur TU Pilot Trng. Rwy edge to rwy lgt 13'. Trans air crew support/logistics thru 7241st AB GP Support, ETS 675-1110, extn 3248, or msg to 7241st AB GRP/LGTA, Ismir Air Station, TU. Prk is not avbl on U.S. Army Avn (NATO-LANDSOUTHEAST) ramp.

COMMUNICATIONS - ATIS - 122.425 234.65 **MENDERES APP - (R) (V)** 120.1 129.3 132.9 314.8 362.3 **TWR** - 122.1 257.8 **GND** - 121.95 251.25

NAVAIDS - CIGLI TACAN - T CIG CH 83 N38°29.70' E27°00.54' 003° 1.1 NM to Fld. 52°3'44.0"E **CIGLI NDB** - MHW 363.000 CIG N38°31.85' E27°01.03' 198° 1.1 NM to Fld. 17°3'44.0"E

ILS/RADAR - ■ **RADAR** - PAR - 116.1 123.3 344.0 385.4

CIGLI WEST, TU See KAKLIC

CINQ MARS LA PILE ATCC, FR See FRANCE ACC

CITY, (LONDON) UK **EGLC** CIV N51°30.32' E0°03.32' 19 UTC 0(+1DT) **L-4G**,
RWY-10 L5,41,50 (4948x98 CON PCN 30 R/C/Y/T) L5,41,50 **RWY-28**
4590→ ←4737

SERVICE - LGT - PAPI all rwys GS 5.5° MEHT 38'. **FUEL** - (NC- A1)

REMARKS - Opr 0635-2115Z++ Mon-Fri; 0630-1230Z++ Sat; 1230-2115Z++ Sun, 0900-2200Z++ hol. **RSTD** - Afld rstd to F/W acft capable of descents at or abv 5.5° GS. PPR. Rpt LDA for Rws 10 and 28 is 4327'. **CAUTION** - When ldg Rws 10 or 28 in strong wind cond, of the possibility of bldg induced turb and/or windshear. **CSTMS/IMG** - Avbl 0600-2200Z++ Mon-Sat, 0800-2200Z++ Sun and hol, all PNR by 1400Z++ prev day.

COMMUNICATIONS - ATIS - If unavbl, call Twr on 118.075 MHz. Thames Radar will advs. 136.35 **REMARKS**: Avbl 0630-2230Z Mon-Fri, 0630-1230Z Sat, 1230-2230Z Sun, 0900-2230Z hol (0530-2100Z Mon-Fri, 0530-1130Z Sat, 1130-2100Z Sun, 0800-2100Z hol sum).

APP - (R) 132.7 **TWR** - 118.075 118.4 **REMARKS**: Avbl 0630-2230Z Mon-Fri, 0630-1230Z Sat, 1230-2230Z Sun, 0900-2230Z hol (0530-2100Z Mon-Fri, 0530-1130Z Sat, 1130-2100Z Sun, 0800-2100Z hol sum). **GND** - Opr 0700-1400Z++ 121.825

NAVAIDS - CITY NDB - MHW 322.000 LCY N51°30.26' E0°04.05' At Fld. Unk/2°12.5'W

ILS/RADAR - ➔**ILS-DME** - BRG 096° LCZR LST 111.15 GS 5.5° ➔**ILS-DME** - BRG 276° LCZR LSR 111.15 GS 5.5°. Intmt DME unlocks may be occur at ranges in excess of 7NM.

CITY, (BELFAST) UK **EGAC** CIV N54°37.08' W5°52.35' 15 UTC 0(+1DT) **H-2E-3D-5A, L-3B**
RWY-04 L5,38,50 (6001x148 ASP DC9) L5,33,50 **RWY-22**
5698→

SERVICE - AOE JASU - 1(E1) 1(E2) 1(E3) 1(E4) 1(E5) 1(E11) 1(E12) **FUEL** - (NC-100LL, A1)
OIL - O-123-149

REMARKS - RSTD - Rpt LDA Rwy 22 5797'. Rwy 22 rwy end safety area reduced by 49' in the SW corner. Parking ltd. **CAUTION** - Unlgt'd obst sur arpt. **CSTMS/AG/IMG** - O/R via ATC.

COMMUNICATIONS - ATIS - BELFAST INFO 136.625 (Arr use only)

BELFAST APP - (R) (V) 130.85 **BELFAST TWR - (V)** 122.825

ILS/RADAR - ➔**LOC-DME** - BRG 041° LCZR HBD 108.1 CH 18 ➔**ILS-DME** - BRG 221° LCZR I-BFH 108.1 CH 18 GS 3°

CLACTON, UK **DVORW-DME** - HA 114.550 CLN CH 92(Y) (100/50) N51°50.91' E1°08.86' 100/(A)3°00.0'W (150/50 in sctr 318° -048°) **H-6F, L-4H**

AIRPORT/FACILITY DIRECTORY B-109

CLERMONT, FR **VORW-DME** - HA 114.350 CFA CH 90(Y) (100/50) N45°47.25' E3°11.53' 268° 1.0 NM to AUVERGNE. 1093/0°33.3'W **H-7B, L-8G**

CLONMEL, EI **NDB** - HW 387.000 CML N52°27.23' W7°28.80' Unk/5°24.0'W **H-3C, L-3B**

CLUJ NAPOCA, RO **LRCL CIV** N46°47.11' E23°41.17' 1036 UTC+2(+3DT)
H-4F, L-10H
RWY-07 L5,7,11,50 (6070x98 CON PCN 39 R/D/W/T) L5,7,11,50 **RWY-25**
SERVICE - FUEL - AVGAS avbl O/R 24 hr PN. (NC- 100LL, A1)
REMARKS - CSTMS/IMG - Avbl H24
COMMUNICATIONS - APP - 0500-2100Z(0300-2000Z Sum) (R) 125.1 **TWR** - 0500-2100Z(0300-2000Z Sum) 134.4 **PRECISION** - 0500-2100Z(0300-2000Z Sum) (R) 118.7
NAVAIDS - CLUJ DVORW-DME - HA 111.200 CLJ CH 49 N46°48.01' E23°47.24' 254° 4.3 NM to Fld. 1549/4°14.1'E
ILS/RADAR - ➔ ILS-DME - BRG 255° LCZR ICL 110.3 CH 40 GS 3.2° **■ RADAR** - SRE - 125.1 PAR - Call **PRECISION** - 118.7

COCARGEUAU, RO See FETESTI

CODAN, DA **VORW-DME** - HA 114.900 CDA CH 96 (060/50) N55°00.09' E12°22.75' 90/(A)2°00.0'E **H-2G-5D, L-2F**

COGNAC, FR **VORW-DME** - HA 114.650 CNA CH 93(Y) (100/50) N45°39.57' W0°18.70' At CHATEAUBERNARD. 85/(A)3°0.0'W **NDB** - HW 354.000 CGC N45°40.16' W0°18.37' At CHATEAUBERNARD. 113/1°37.0'W **TACAN** - HA CGC CH 109 (160/50) N45°39.69' W0°18.47' At CHATEAUBERNARD. 93/1°37.0'W **H-7A, L-8F**

COIMBRA, PO **LPCO CIV** N40°09.43' W8°28.20' 587 UTC 0(+1DT) **L-11A**
(B) **RWY-16** L7,50 (3018x98 CON S15) L7,50 **RWY-34**
SERVICE - LGT - ABn, green coded CB.
REMARKS - Opr SR-SS.
COMMUNICATIONS - RDO - Opr HO. 122.9
NAVAIDS - COIMBRA NDB - HW 426.000 CB N40°09.63' W8°28.32' At Fld. Unk/3°51.2'W

COLA, GM **DVORTACW** - HA 108.800 COL CH 25 (040/25) N50°47.01' E7°35.65' 286° 17.9 NM to KOLN BONN. 990/(A)0°00.0'E (60/25 225°-315°) **H-6H, L-5B**

COLEMAN AAF, GM **ETOR A** N49°33.81' E8°27.80' (32UMV6119690247) 309 UTC+1(+2DT) **VFR, L-6G**
(B) **RWY-05** L1,2,5,9,42,50 (3004x75 ASP PCN 41 F/B/X/T) L1,2,5,9 **RWY-23**
SERVICE - AOE LGT - ACTIVATE-HIRL Rwy 05-122.1. ABn has no-split W beams. **FUEL** - Opr 0700-1600Z++, PPR for tran acft. J8 **OIL** - SOAP
REMARKS - Opr 0600-1900Z++ Mon-Fri; clsd US, GM and USAREUR trng hol. OT 72 hr PPR. **RSTD** - PPR. Main ramp clsd to F/W tfc UFN. F/W prk a C ramp. R/W over 59' diameter prk in blue (Cyclone) parking, E dep end Rwy 05, or ctc Base OPS for info. No hover taxi on Twy A and Cyclone Twy. **CAUTION** - Twr 380' and bldg 270' S dep end Rwy 05. Lgtd twr 106' AGL 0.7 NM SSE and lgtd ant 141' AGL 0.3 NM ESE afld. Hvy civ air tfc vcnty of afld. Hvy R/W (CH47, CH53) no hover S of rwy. **TFC PAT** - N 1300'. **NS ABTMT** - See FLIP VFR ARR/DEP RTE Europe. **MISC** - Fone dispatch DSN 382-4253/5160, C0621-779-4253/5160; wx obsn and flt briefing 0500-1900Z++; clsd wkend, US, GE and USAREUR trng hol. Fone DSN 382-4555/5166, C0621-779-4555/5166; Remote wx brief avbl H24 fr 21st Ops Wx Squadron (OWS) fone DSN 496-6145/6 or C06302-67-6145/6. Ck NOTAMs for tmpry chg in brf and obsn hr of ops. Vis at 42' AGL.
COMMUNICATIONS - § DISPATCHER - 30.6 **APP** - 130.5 251.475 **TWR** - 40.5 122.1 142.65 372.15 **GND** - 141.3X 338.75 **ADVSVC** - (E) 122.1 **PMSV METRO** - 45.05 140.3 **LAMPERTHEIM RNG** - 47.3

B-110 AIRPORT/FACILITY DIRECTORY

NAVAIDS - COLEMAN TVORW - T 109.000 HDM (025/10) N49°33.94' E8°27.83' At Fld.
327/(A)2°00.0'W MP - 0700-0900Z++ Mon. Mnt dur arpt opr hrs. **COLEMAN NDB** -
MHW 334.000 HDM N49°32.07' E8°23.43' 058° 3.3 NM to Fld. 320/0°44.4'E MP -
1100-1300Z++ Mon. Unmto.
HDM VOR unrel 300°-340° byd 10 NM

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA. GCA avbl 1100-1900Z++
(or 8 hr block adjusted by PPR).

HAMMOND BKS AHP, GM **ET-/ET35 A** N49°28.24' E8°33.07'
(32UMV6748379877) 313 UTC+1(+2DT)
(29x29 ASP UH60)

REMARKS - Opr 0600-1700Z++ Mon-Fri. **RSTD** - PPR 24 hr. DSN 375-6839. No opr fr or to
W. Rstd to UH-60 or smaller acft. Gnd run of eng/APU not to exceed 3 min. **CAUTION** -
P-line, bldg, trees in all quad. Mannheim Neuosteim civ arpt 1 mile W of helipad; exp lo
flying civ acft overhead and all quad. **TFC PAT** - NE apch 320° to 360° and dep 320° to
360°.

COMMUNICATIONS - COLEMAN TWR - Opr 0600-1900Z++ (E) 40.5 122.1 142.65
277.85 **REMARKS**: Rpt arr and dep to Coleman Twr.

TAYLOR BKS AHP, GM **ET-/ET33 A** N49°30.86' E8°33.25' (32UMV6773284724) 360
UTC+1(+2DT)
(39x39 ASP UH60)

REMARKS - Opr 0700-1530Z++ Mon-Fri exc US hol. **RSTD** - PPR fr installation coordinator
fone DSN 380-7138/8366. **CAUTION** - 20' windsock 40M S. Fire extinguisher shelter 11M
NE of pad. **TFC PAT** - S, 800'. Arr and dep 030 or 210.

COMMUNICATIONS - COLEMAN TWR - Opr 0600-1900Z++. 40.5 122.1 142.65 277.85
REMARKS: Rpt arr and dep to Coleman Twr.

TOMPKINS BKS HELIPAD, GM **ET-/ET34 A** N49°24.36' E8°34.05'
(32UMV6862172686) 338 UTC+1(+2DT)
(80x80 ASP UH60)

REMARKS - Opr 0700-1900Z++ Mon-Fri, clsd US hol, OT 72hr PPR. **RSTD** - OFFL BUS
ONLY. Code 4 and above only. 24hr PPR thru Coleman AAF Base Ops fone DSN
382-4253/5160, C0621-779-4253/5160. Wkend and hol ctc Chief of Staff USAREUR 3 days
prior to ops at DSN 377-4300, C06221-57-4300. **CAUTION** - Ldg acft use helipad, not
parade fld. P-line E. Fone wires N side. **TFC PAT** - Apch fr N. **MISC** - Windsock NW
corner. Fone DSN 382-4253/5160 (Coleman AAF).

COMMUNICATIONS - COLEMAN TWR - Opr 0600-1900Z++. 40.5 122.1 142.65 277.85

COLERNE, UK **EGUO** MIL N51°26.34' W2°17.18' 593 UTC 0(+1DT) **H-3C, 6F, L-4F**
RWY-01 (3593x150 ASP) **RWY-19**
2936→ ←3563
RWY-07 (5459x151 ASP) **RWY-25**
4731→ ←4409

SERVICE - FUEL - (NC-100LL)

REMARKS - PPR 24 hr, HO. **RSTD** - PPR. **CAUTION** - Unlgtd obst sur arpt.

COMMUNICATIONS - APP - 120.075X 374.825 **TWR** - 120.075X 372.575 **ATIS** - 277.85

NAVAIDS - UHF/DF

COLMAR, FR **TACAN** - HA CLR CH 37 (060/50) N47°55.76' E7°24.00' At MEYENHEIM.
693/0°31.0'E **H-6H, L-6G**

COLMENAR, SP **DVORW-DME** - HA 117.300 CNR CH 120 N40°38.76' W3°44.15'
2690/(A)3°00.0'W **NDB** - HW 319.000 ECV N40°41.96' W3°45.76' Unk/2°18.3'W
H-3A-16I, L-11B

COLOGNE OR WAHN, GM See KOLN BONN

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COLTINES, FR **LFHQ** CIV N45°04.58' E2°59.62' 3218 UTC+1(+2DT) **L-8G**
RWY-01 (4298x98 ASP S12) **RWY-19**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0900-1100Z++, 1300-1500Z++ exc Wed, Thu. Svc not provided Wed, Thu.
COMMUNICATIONS - ST FLOUR INFO - 120.05 **REMARKS**: Opr 0900-1100Z++ exc Thu, 1300-1500Z++ exc Wed, Thu 16 Sep to 15 Apr; 0900-1100Z++ exc Thu, 1300-1700Z++ exc Wed, Thu 16 Apr to 15 Sep.
NAVAIDS - SAINT FLOUR/COLTINES TVORW - HA 109.800 SFC (025/10) N45°03.99' E2°59.45' At Fld. 3222/0°33.0'W

COMPIEGNE, FR **VORW-DME** - HA 109.650 CPE CH 33(Y) N49°25.97' E2°47.96'
288/0°59.0'W **H-6G, L-7D**

COMPTON, UK **VORW-DME** - HA 114.350 CPT CH 90(Y) (080/50) N51°29.50' W1°13.18'
498/(A)4°00.0'W (150/50 in sctr 228°-048° 130/50 in sctr 048°-138°) **H-6F, L-4G**

CONAKRY, GV **GUCY** CIV N9°34.61' W13°36.72' 72 UTC 0 **L-19A**
RWY-06 L4,A,55 (10826x148 ASP 747) **L4,A,55 RWY-24**
SERVICE - AOE FUEL - Opr 0700-2000Z; 24 hr PN. A1 (Air Total Intl).
REMARKS - RSTD - Ovft city proh. **CAUTION** - Trench digging around the arpt, follow ATC instr. **MISC** - All unsked flt must pay cash for enrt fees prior to dep.
COMMUNICATIONS - APP - . 119.7 **TWR** - . 118.7 **GND** - 129.1 **A/G** - Opr 0630-0200Z. 6589
NAVAIDS - CONAKRY VORW-DME - HA 114.900 GIA CH 96 N9°34.08' W13°37.18' At Fld. 72/8°26.6'W **CONAKRY NDB** - HW 395.000 CY N9°35.37' W13°35.80' 239° 1.2 NM to Fld. Unk/8°25.7'W **CONAKRY NDB** - HW 365.000 KR N9°33.63' W13°37.87' 059° 1.5 NM to Fld. Unk/8°27.1'W **VHF/DF**
ILS/RADAR - →ILS - BRG 062° LCZR CKY 110.3 GS 3°

CONINGSBY, UK **EGXC** MIL N53°05.58' W0°09.96' 25 UTC 0(+1DT)
H-5B-6F, L-3C-4G
(B) **RWY-07** L5,41,50 (9003x200 CON) **L5,24,50 RWY-25**
HOOK RHAG(B) (1300') HOOK RHAG(B) (1300')
SERVICE - LGT - ABn, red coded CY. PAPI Rwy 08-GS 2.5°, MEHT 32'. Rwy 26 GS 2.5°, MEHT 43'. **A-GEAR** - Nml ops of RHAGS Rwy 07- both cables up; Rwy 25 app down, ovrn up. **JASU** - 1(A4) 1(E1) 1(E3) 1(E5) 1(E10) 1(E11) 1(E12) **FUEL** - 100LL, A1+ **FLUID** - LHOX LOX De-Ice **OIL** - O-128-149
REMARKS - Opr 0800-1700Z++ Mon- Fri. (24 hr PPR). **CSTMS/AG/IMG** - Avbl O/R.
COMMUNICATIONS - ATIS - 280.3 **APP - (R) (E)** 120.8 122.1X 282.725 362.3X
CAC - Call LONDON MIL- **(R) (E)** 277.775 **REMARKS**: (Call CRANWELL ZONE- IFR Ops to Rwy 08 will be under radar info svc of CRANWELL ZONE 119.375 250.05) **TWR** - 124.675 122.1X 340.25 **GND** - 122.1X 279.075 **DEP** - 376.35 **OPS** - 234.675 (HAVEQUICK TIMING-338.025)
NAVAIDS - CONINGSBY TACAN - HA CGY CH 48 (120/40) N53°05.46' W0°10.14' At Fld. 24/(A)4°00.0'W **UHF/DF**
ILS/RADAR - ILS - MP 0900-1230Z++ 3rd Tue. **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

CONINGTON, (PETERBOROUGH) UK **EGSF** CIV N52°28.08' W0°15.07' 26 UTC 0(+1DT) **L-4G**
(B) **RWY-10L7** (3238x75 ASP) **L7 RWY-28**
RWY-16 (CLSD 2625x141 ASP) **←2874 RWY-34**
SERVICE - LGT - ABn, green coded PB. **FUEL** - (NC-100LL, A1) **OIL** - O-123
REMARKS - Opr 0830-1800Z++ Mon-Fri; 0900-1800Z++ Sat, Sun. **RSTD** - PPR. NORDO proh.
COMMUNICATIONS - RDO - 129.725

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CONNAUGHT, (KNOCK) EI **EIKN** CIV N53°54.62' W8°49.11' 665 UTC 0(+1DT)

H-3D, L-3B
(B) **RWY-09** L5,38,50 (7546x148 ASP PCN 57 F/A/W/T) L5,33,50 **RWY-27**
7044→

SERVICE - LGT - ABn flg W/green. PAPI Rwy 09/27 MEHT 50'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0600-1830Z++ Mon-Fri, 0700-1830Z++ Sat, 0830-1830Z++ Sun.

CSTMS/IMG - CSTMS avbl 24 hr PN.

COMMUNICATIONS - TWR - 130.7 **GND** - 121.9

NAVAIDS - CONNAUGHT DVORW-DME - HA 117.400 CON CH 121 (100/50) N53°54.48' W8°49.21' At Fld. 700/(A)8°0.0'W Needle fluc up to 5° may be observed on 285° rad at 18-26 NM. **CONNAUGHT NDB/LOM** - MHW 398.000 OK N53°55.44' W8°41.99' 266° 4.3 NM to Fld. Unk/6°17.8'W **CONNAUGHT NDB** - HHW 364.000 KNK N53°53.79' W8°56.22' 086° 4.3 NM to Fld. Unk/6°23.7'W

ILS/RADAR - ➔ **ILS** - BRG 266° LCZR ICK 110.7 GS 3°.

CONSTANTA, RO See MIHAIL KOGALNICEANU

CONSTANTINE, AG **DVORW-DME** - HA 115.500 CSO CH 102 (200/50) N36°17.56'

E6°36.33' 144° 1.2 NM to MOHAMED BOUDIAF INTL. 2303/0°30.4'E 200NM/FL40

NDB - HW 397.000 CNE N36°11.42' E6°43.63' 315° 7.3 NM

to MOHAMED BOUDIAF INTL. Unk/0°31.8'E **H-9C-15B, L-14E**

COPENHAGEN ACC, DA **EKDK** CIV/MIL **CON** - (U) (119.430 119.55 119.55
121.375 123.375 123.725 124.0 124.55 124.55 126.055 128.155 128.755 128.875
133.15 134.675 134.675 135.445 136.485 136.55 136.550) (232.9 232.9 261.05 309.55
312.5 326.25 356.25 362.75 362.75 368.25 368.25 Mil) **FIS** - Call INFO (124.0 127.075
N North Sea east of 6°0' E 134.025 129.475 North Sea west of 6°0' E) (281.15 309.55 Mil)
H-2F, G-5C, D, L-2E, F-3D

CORDOBA, SP **LEBA** CIV N37°50.52' W4°50.93' 297 UTC+1(+2DT) **L-11A**

(B) **RWY-03** L5,9,50 (4527x148 ASP PCN 31 F/C/Y/U) L5,9,50 **RWY-21**

SERVICE - LGT - Bcn avbl HN **FUEL** - (NC-100LL, A1) **OIL** - 0-125

REMARKS - Opr 0700Z++-SS. **RSTD** - NORDO proh.

COMMUNICATIONS - CTAF - 118.3

NAVAIDS - CORDOBA VORW-DME - HA 112.400 CDB CH 71 N37°50.76' W4°50.70'

At Fld. 325/2°29.6'W **CORDOBA NDB** - MHW 366.000 COR N37°50.56' W4°50.81'

At Fld. Unk/2°29.6'W

CORK, EI **EICK** CIV N51°50.48' W8°29.47' 502 UTC 0(+1DT) **H-3C, L-3B**

(B) **RWY-07** L5,50 (4298x148 PEM PCN 55 R/C/W/U) L5,38,50 **RWY-25**
RWY-17 L3,4,5,33,50 (6998x148 ASP PCN 63 R/C/W/T) L4,5,38,50 **RWY-35**

SERVICE - AOE **LGT** - PAPI Rwy 25 GS 3.7° MEHT 56', PAPI Rwy 17 MEHT 69', Rwy 35 MEHT 62', Rwy 07 MEHT 43'. **FUEL** - Avbl 0530-2200Z++, OT by arng. (NC-100LL, A1)
OIL - 0-123-125.

REMARKS - **RSTD** - PPR NORDO.

COMMUNICATIONS - ATIS - Opr 0600-2300Z++. 120.925 **APP** - (R) 119.9

TWR - 119.3 121.7 **GND** - Opr 0830-1930Z++. 121.85

NAVAIDS - CORK DVORW-DME - HA 114.600 CRK CH 93 (300/70) N51°50.44' W8°29.66'

At Fld. 500/(A)7°00.0'W

ILS/RADAR - **ILS-DME** SEE TERMINAL FLIP FOR ILS-DME 17 DATA ➔ **ILS-DME** - BRG 347°
LCZR ICN 109.15 CH28Y GS 3° L OB 362. DME ICN reads zero at Rwy 35 thld. ■ **RADAR** -
ASR/PAR - Call RADAR - 118.8

CORLU, TU **LTBU** MIL/CIV N41°08.29' E27°55.15' 574 UTC+2(+3DT) **H-4G, L-15A**

(B) **RWY-05** L7,12,43 (9843x148 CON) L7 **RWY-23**
←J-BAR RAF (150' OVRN) 500S(B) (1400') 500S(B) (1398')

SERVICE - FUEL - (NC A1 J8)

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COMMUNICATIONS - YESILKOY APP - 120.5 121.1 122.1 362.3 **TWR** - 120.375 122.1 257.8 362.3 (122.1 257.8 362.3 Opr 0600-1500Z++) **GND** - 121.9 251.25

NAVAIDS - CORLU VORW-DME - HA 114.800 CRL CH 95 N41°09.13' E27°56.30' 222° 1.2 NM to Fld. 538/4°09.2'E **CORLU TACAN** - T CLU CH 106 N41°07.92' E27°54.10' At Fld. 569/4°08.8'E Opr 0400-1500Z; OT 3 hr PPR **CORLU NDB** - HW 426.000 CRL N41°09.13' E27°56.30' 222° 1.2 NM to Fld. Unk/4°09.2'E

ILS/RADAR - ➔ILS - BRG 046° LCZR ICRL 110.50 GS 3°

CORMEILLES EN VEXIN, FR **LFPT** CIV N49°05.80' E2°02.45' 325

UTC+1(+2DT) **H-6F, L-7C**

RWY-05 L5,23,50

(5541x164 ASP PCN 11 F/D/W/T)

L5,50 **RWY-23**

←4983

RWY-12

(5413x164 ASP PCN 12 F/C/Y/U)

RWY-30

5216→

←4829

SERVICE - LGT - PAPI Rwy 05 and Rwy 23 GS 3.25°. **FUEL** - North area avbl 0700-1800Z++ Mon-Sun. (NC-100LL, A1); Fone C01 30 17 24 10, C01 30 31 16 16. South area avbl HX (NC-100LL).

REMARKS - Opr 0600-2130Z++, OT O/R prior 1600Z++. **RSTD** - NORDO proh. Arpt rstd to acft with Max tkof wt 37,478 lbs. **CSTMS/IMG** - Avbl 24 hr PN Tue-Sat; O/R prior 1700Z++ previous day Sun, Mon and hol. **MISC** - Class D Airspace 0600-2130Z++. OT Class G.

COMMUNICATIONS - ATIS - 124.125 **PONTOISE APP** - 118.8

PONTOISE TWR - 121.2 119.7

NAVAIDS - PONTOISE VORW - HA 111.600 PON (040/50) N49°05.76' E2°02.15' At Fld. 318/(A)3°0.0'W (60/50 315°-045°) **VHF/DF**

ILS/RADAR - ➔ILS-DME - BRG 047° LCZR CVN 110.95 CH 46(Y) GS 3°. Opr 0700-2000Z++, OT O/R prior 2000Z++. Sctr 090° unuse.

CORNER, SW **NDB** - HHW 388.000 COR N59°15.68' E17°29.04' Unk/4°00.8'E

H-2G, L-2F

CORTE, FR **LFKT** CIV N42°17.62' E9°11.58' 1132 UTC+1(+2DT) **L-12E**

RWY-13

(3084x65 ASP S14)

RWY-31

CORVATSCH, SZ **DME** - HA CVA CH 57(Y) N46°25.08' E9°49.30' 10987/1°12.2'E

H-7C, L-9B

COSFORD, UK **EGWC** MIL N52°38.40' W2°18.33' 272 UTC 0(+1DT) **L-3C-4F**

RWY-06

(3890x150 ASP)

RWY-24

3742→

←3742

SERVICE - FUEL - 100LL (Mil only).

REMARKS - Opr HO. (24 hr PPR) **RSTD** - 24 hr PPR; no civ on wknd. **CAUTION** - RR embankment 20' hi, aprx 900' fr thld Rwy 24.

COMMUNICATIONS - APP - 135.875 376.425 **TWR** - 128.65 378.65 **GND** - 128.65 241.4 **SHAWBURY ZONE** - 282.0

NAVAIDS - UHF/DF

COSTA, BE **DVORW-DME** - HA 110.050 COA CH 37(Y) (060/50) N51°20.88' E3°21.32' 30/(A)3°13.9'W **H-6G, L-4H**

COSTA BRAVA, SP See GIRONA

COSTA SMERALDA, IT See OLBIA COSTA SMERALDA

COSTIX, SP **NDB** - HW 351.000 CST N39°38.48' E2°54.94' 237° 9.8 NM to PALMA DE MALLORCA. Unk/0°20.4'W **L-11C**

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COTE D AZUR, FR **LFMN** CIV N43°39.50' E7°12.95' 12 UTC+1(+2DT)

H-7C-15B, L-11D

(B) **RWY-04L** L4,5,9,50

(8995x148 ASP S208)

L4,5,9,50 **RWY-22R**

←8420

RWY-04R L5,9,50

(9712x148 ASP PCN 62 F/B/W/T)

L5,9,50 **RWY-22L**

SERVICE - AOE **LGT** - ABn O/S ufn. PAPI Rwy 04R MEHT 66', PAPI Rwy 22L GS 3.5° MEHT 69', PAPI Rwy 04L MEHT 66', PAPI Rwy 22R GS 3.5° MEHT 69'. **FUEL** - Avbl 0400-2100Z++, OT O/R 45 min PN. (NC-100LL, A1)

REMARKS - **RSTD** - NORDO proh. **NS ABTMT** - See AP/2 Supplementary Arpt Info.

MISC - USN flt advsy should incl ALUSNA Paris as info addressee in order to provide contract svc to Navy users at arpt.

COMMUNICATIONS - **NICE ATIS** - 129.6 **NICE APP** - (R) 124.175 125.575 130.825 134.475 (125.575 DEP) **NICE TWR** - 118.7 121.275 **NICE GND** - 121.775 121.7 (Preflight 121.7)

NAVAIDS - **NICE COTE D AZUR VORW-DME** - HA 109.650 AZR CH 33(Y) N43°39.58' E7°13.47' At Fld. 12/0°37.0'E **CAGNES SUR MER VORW-DME** - L 109.200 CGS CH 29 N43°38.71' E7°08.76' 075° 3.1 NM to Fld. 13/0°36.4'E For use only for apch to Cote D'Azur. **NICE VORW-DME** - HA 112.400 NIZ CH 71 (150/50) N43°46.24' E7°15.26' 194° 6.9 NM to Fld. 2822/0°37.7'E (200/50 to S) **NICE NDB** - MHW 399.000 LEZ N43°43.52' E7°19.60' 230° 6.3 NM to Fld. Unk/0°38.9'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - 04R BRG 043° LCZR NA 110.7 CH 44 GS 3°. ➔ **ILS-DME** - 04L BRG 045° LCZR NI 109.95 CH 36(Y) GS 3°.

COTTBUS DREWITZ, GM **EDCD** CIV N51°53.37' E14°31.92' 274 UTC+1(+2DT)

H-5E, L-5D

(B) **RWY-07** L5,38,50

(8149x148 CON PCN 45 R/A/W/T)

L5,38,50 **RWY-25**

RWY-07L

(6562x164 GRs)

RWY-25R

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700Z-SS+30/1700Z, OT O/R (0600-1800Z, PPR 1800-0600Z DT). **RSTD** - IFR trng PPR, fone C030-6951-2488. **CAUTION** - Gldr act. **CSTMS/IMG** - CSTMS 24 hr PPR. **MISC** - Sod parl strip N of rwy.

COMMUNICATIONS - **BERLIN INFO** - (E) 132.65 312.225 **DREWITZ INFO** - 118.125 25NM to 4000ft AGL.

NAVAIDS - **DREWITZ DME** - T CDD CH 57(Y) (040/10) N51°53.22' E14°31.92' At Fld. 292/2°30.1'E **DREWITZ NDB** - MHW 355.000 DRW N51°53.80' E14°33.75' 247° 1.2 NM to Fld. 271/2°30.7'E **VHF/DF**

COTTESMORE, UK **EGXJ** MIL N52°44.14' W0°38.93' 461 UTC 0(+1DT)

H-5B-6F, L-3C-4G

(B) **RWY-04** L2,5,41,50

(9004x197 ASP)

L2,5,33,50 **RWY-22**

SERVICE - **LGT** - ABn, red coded CM. PAPI Rwy 04,22 GS 2.5° **JASU** - 1(A4) 1(E1) 1(E5) 1(E11) **FUEL** - A1+ **FLUID** - LHOX LOX **OIL** - O-117-123-128-149-156

REMARKS - Opr 0800-1700Z++ Mon-Fri (24 hr PPR). **RSTD** - PPR 24 hr. **CAUTION** - Bird haz.

COMMUNICATIONS - **ATIS** - 262.625 **APP** - (R) (E) 130.2 281.9 **DIRECTOR** - 123.3X 379.075 **CAC** - Call LONDON MIL (R) (E) 277.775 **REMARKS**: (Call COTTESMORE APP - All inbd acft call APP at least 10 NM before COTTESMORE-WITTERING MATZ bdry - 130.2 312.075 340.575) **TWR** - (E) 130.2 369.35 257.8X 122.1X **GND** - 122.1X 308.825 **DEP** - (R) 130.2 278.45 **ZONE** - 130.2 231.725

NAVAIDS - **COTTESMORE TACAN** - T CTM CH 70 (060/25) N52°44.12' W0°39.05' At Fld. 452/(A)4°00.0'W Azimuth unlocks may occur in sector 279°-281°. **VHF/UHF/DF**

ILS/RADAR - **ILS RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

COULOMMIERS, FR **VORW-DME** - HA 112.900 CLM CH 76 (060/50) N48°50.68' E3°00.83' At VOISINS. 486/0°51.0'W **H-6G, L-7D**

COURCELLES, FR **LFSM** CIV N47°29.22' E6°47.43' 1041 UTC+1(+2DT)

H-7C, L-6G-9A

RWY-08 L1,7

(5578x66 ASP S28 T46 ST58)

L1,7,9,50 **RWY-26**

4265→

←4265

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SERVICE - LGT - PAPI Rwy 26 GS 4° MEHT 27'. PPR for PCL rqr fr INFO. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1100Z++, 1300-1700Z++ Mon-Fri; PPR the day before prior to 1600Z++ Sat, Sun and hol. **RSTD** - Ngt ldg proh when PAPI O/S. **CSTMS/IMG** - Avbl PPR 24 hr.

COMMUNICATIONS - **BALE APP** - 121.25 abv 5000ft. **MONTBELIARD INFO** - 132.025

NAVAIDS - **HERICOURT NDB** - MHW 289.000 HR N47°33.70' E6°43.94' 152° 5.1 NM to Fld. Unk/0°21.3'E

COUTERNE, FR LFAO CIV N48°32.75' W0°23.25' 718 UTC+1(+2DT) **L-7C**

RWY-12 (3478x66 ASP)

RWY-30

2854→

←3248

REMARKS - Opr HX.

COVENTRY, UK EGBE CIV N52°22.18' W1°28.78' 267 UTC 0(+1DT) **H-6F, L-4G**

RWY-05 L5,38,50 (5988x151 ASP PCN 48 F/B/X/U)

L5,41,50 **RWY-23**

←5568

SERVICE - AOE **LGT** - PAPI Rwy 23 GS 5.5° MEHT 38. **FUEL** - (NC-100LL, A1) **OIL** - 0-113-117-123-125

REMARKS - **RSTD** - PPR 1900Z++ Sat to 0830Z++ Sun, 2100-2359Z++ Sun. Rpt LDA for Rwy 05 is 5889'. **CAUTION** - Unlgt'd obst sur arpt. **NS ABTMT** - Acft should avoid ovft of areas Binley Woods(05 dep-23 arr); and Stoneleigh(05 arr-23 dep).

COMMUNICATIONS - **ATIS** - 126.05 **REMARKS**: Opr 0730-1900Z++ Mon; 2000Z++ Mon-0400Z++ Tue; 0700-1900Z++ and 2000-0400Z++ Tue-Fri; 0730-1900Z++ Sat,Sun. **APP** - (R) 119.25 **TWR** - 119.25 124.8 **GND** - Avbl when advs by ATC. 121.7

NAVAIDS - **VHF/DF**

ILS/RADAR - ➔**ILS-DME** - BRG 231° LCZR CT 109.75 GS 3°. ➔**ILS-DME** - BRG 051° LCZR 109.75 CTY GS 3° ■ **RADAR** - Call RADAR - 122.0. avbl O/R 0830-1800Z++ and 1930-0400Z++ Mon-Thu, 0830-1800Z++ and 1930-2359Z++ Fri, 0001-0400Z++ and 0830-1700Z++ Sat, 0930-1700Z++ Sun. MP 1200-1600Z++ Tue.

COVILHA, PO LPCV CIV N40°15.89' W7°28.80' 1572 UTC 0(+1DT) **L-11A**

RWY-06 L7 (3150x75 ASP)

L7 RWY-24

2953→

←2953

SERVICE - **FUEL** - (NC-100LL)

REMARKS - Opr SR-SS. **CAUTION** - Extremely large trees lctd in the vicinity of Rwy 24 thld and W of Rwy 24. Ltd vis in the area of the old inop dirt rwy.

COMMUNICATIONS - **AFIS** - Opr O/R. 122.0

CRAIOVA, RO LRCV MIL/CIV N44°19.09' E23°53.32' 626 UTC+2(+3DT)

H-4F, L-10I-12H

RWY-09 L7 (8203x148 CON PCN 36 R/C/W/T)

L7 RWY-27

REMARKS - Opr 0530-1400Z++. **CSTMS/IMG** - Avbl O/R 48 hr PPN

COMMUNICATIONS - **APP** - 124.3 **TWR** - 124.3

NAVAIDS - **CRAIOVA DVORW-DME** - HA 110.200 CRV CH 39 N44°19.12' E23°55.37' 265° 1.5 NM to Fld. 634/3°57.0'E **CRAIOVA NDB** - HHW 417.000 EA N44°19.17' E23°59.53' 269° 4.5 NM to Fld. 505/3°57.9'E Opr HX.

CRANFIELD, UK EGTC PVT N52°04.33' W0°37.00' 358 UTC 0(+1DT) **H-6F, L-4G**

RWY-03 L5 (5902x151 ASP PCN 30 F/B/X/U)

L5,41,50 **RWY-21**

5226→

RWY-18

(2033x59 ASP PCN 30 F/C/Y/U)

RWY-36

SERVICE - AOE **FUEL** - (NC100LL, A1, A1+) **FLUID** - LHOX **OIL** - O-123-125

REMARKS - Opr 0830-1900Z++Mon-Fri; 0900-1800Z++Sat, Sun and hol. **RSTD** - NORDO proh. Rpt LDA Rwy 22 is 5512'. **MISC** - Perms to use afld may be withdrawn wo PNP. Hazardous material proh wo written PPR.

COMMUNICATIONS - **ATIS** - 121.875 **APP** - (V) 122.85 **TWR** - (V) 134.925 122.85

B-116 AIRPORT/FACILITY DIRECTORY

NAVAIDS - CRANFIELD VORW - HA 116.500 CFD (050/25) N52°04.45' W0°36.65' At Fld.
357/(A)4°00.0'W Ignore any DME indication. **VHF/DF**
ILS/RADAR - ➔ILS - BRG 216° LCZR I-CR 108.9 LOM CIT 850.0

CRANWELL, (CRANWELL SOUTH) UK **EGYD** MIL N53°01.82' W0°28.99' 218
UTC 0(+1DT) **H-5B-6F, L-3C-4G**

(B) **RWY-01** L5,50 (4803x147 ASP) L5,50 **RWY-19**
RWY-09 L5,41,50 (6831x147 ASP) L5,24,50 **RWY-27**
←J-BAR RAF (EOR) J-BAR RAF (EOR) →
RWY-09R (2354x131 GRS) **RWY-27L**

SERVICE - LGT - ABn, red coded CW. **JASU** - 1(E11) **FUEL** - (100LL, A1+) **FLUID** - De-Ice
LHOX **OIL** - O-128-149

REMARKS - Opr 0815-1730Z++ Mon-Thu; 0815-1700Z++ Fri (OT HO per 3FTS);
0830-1730Z++ Sat, Sun (OT HO per EMUAS or 7AEF--24 hr PPR.) **RSTD** - Rwy 01-19
unsuitable for use by fast/hvy jet acft. Rpt LDA Rwy 09 6293', rpt LDA Rwy 27 6526'.
CAUTION - Gldr act on N arpt outside arpt hr. TACAN may have unlocks btn 200° and 203°
and also 307°. **CSTMS/AG/IMG** - Avbl HO. **MISC** - All radar svc are ltd due to reduced
radar performance.

COMMUNICATIONS - ATIS - 135.675 233.625 **APP - (R) (E)** 119.375 280.775 362.3X
CAC - Call LONDON MIL (R) (E) 277.775 **TWR - (E)** 125.05 268.625 257.8X
GND - 369.2 **DEP** - Call RADAR ZONE (R) (E) 119.375 275.675

NAVAIDS - CRANWELL TACAN - HA CWZ CH 121 (065/10) N53°01.72' W0°29.13' At Fld.
218/(A)4°00.0'W MP 0800-0820Z++ 4th Fri. **CRANWELL NDB** - MHW 423.000 CWL
N53°01.58' W0°29.34' At Fld. Unk/2°39.6'W **UHF/DF**

ILS/RADAR - ➔ILS - BRG 266° LCZR CW 109.7 GS 3° ■ **RADAR** - ASR - Call DIRECTOR -
123.3x 284.325 344.0x. MP 0800-0945Z++ 1st Wed. PAR - Call TALKDOWN - 123.3x
338.275 378.525x MP 0800-1140Z++ 3rd Thu.

CREIL, FR **LFPC** MIL N49°15.21' E2°31.15' 291 UTC+1(+2DT) **H-6G, L-7D**
RWY-07 L5,9,50 (7871x164 CON) L5,9,13,50 **RWY-25**
7218→ S79 T109 ST129 TT176)
←NET UNK (82' OVRN) A40 UNK (82' OVRN) →

SERVICE - LGT - PAPI Rwy 07-25 GS 3.2°. **FUEL** - 100LL A1+

REMARKS - Opr 0700-1600Z++ Mon-Thu; 0700-1500Z++ Fri; PPR before 1500Z++ prev bus
day for Sat, Sun and hol. **RSTD** - NORDO proh. Ovft of afld blw 1000' AGL proh. The
ROISSY ARO (LFPGZVX) is to be the recipient of all FPL having CREIL as a dep, destn or
altn arpt or those transiting the CREIL area or bound for VILLACOUBLAY. Arpt can be
activated with PPR to OPS, fone C33.3.44.55.03.01 extn 81335. **CSTMS/IMG** - Avbl O/R
24 hr. **RWY** - Rwy 07 thld S69 T88 TT162 ST112. Rwy 25 thld S157 T176 TT356 ST175.

COMMUNICATIONS - DE GAULLE APP - H24 (R) (U) 119.85 142.45X 370.825 336.825X
386.95X **TWR** - 123.3 142.45 119.7 387.45 **GND** - 122.1 257.8 **PRECISION** - 138.57
140.575X 259.725X 265.9X 336.1X

NAVAIDS - CREIL VORTACW - HA 109.200 CRL CH 29 (060/50) N49°15.32' E2°30.89'
At Fld. 325/1°4.0'W (40/50 in sctr 270°-090°); CH 29 not co-lctd N49°15.4' E02°31.0'.
109.2

ILS/RADAR - ILS ■ RADAR - PAR - Call PRECISION- 123.3 140.575 259.725 265.9X 336.1X

CRES, HR **NDB** - MHW 433.000 CRE N44°54.17' E14°24.99' 017° 19.9 NM to RIJEKA. 267°
21.1 NM to PULA. Unk/2°14.5'E **H-4E-7D, L-9D-10E**

CRISTOFORO COLOMBO, IT See GENOVA SESTRI

CROISMARE, FR **LFQC** CIV N48°35.60' E6°32.61' 790 UTC+1(+2DT) **L-6G**
RWY-09 (3410x66 ASP S69) **RWY-27**

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr HX. **CAUTION** - Pilot trng and gldr act.

AIRPORT/FACILITY DIRECTORY B-117

CROTONE, (S ANNA) IT **LIBC** CIV N38°59.83' E17°04.81' 521 UTC+1(+2DT)

H-15C, L-12F

(B) **RWY-17** L7,50

(6562x148 ASP SWL55)

L7,50 **RWY-35**

6037→

SERVICE - AOE **LGT** - ABn opr SR-30 to SS+30 min. PAPI Rwy 17, 35 MEHT 59'. **FUEL** - (NC-A1)

REMARKS - Opr 0500-2100Z++. **CAUTION** - Veh tfc adj to Rwy 17 thld. **CSTMS/IMG** - O/R 24 hr PN.

COMMUNICATIONS - **INFO** - 119.1 257.8

NAVAIDS - **CROTONE VORW-DME** - HA 117.100 CRN CH 118 (150/60) N38°59.77'

E17°04.98' At Fld. 522(A)1°00.0'E

CRN VOR-DME MRA 40 NM

120°-270° 6000'

270°-350° 10,000'

350°-120° 3000'

CUATRO VIENTOS, (MADRID CUATRO VIENTOS) SP **LEVS/LECU** MIL/CIV

N40°22.24' W3°47.11' 2267 UTC+1(+2DT) **L-11B**

(B) **RWY-10** L6,9,38,50

(4921x98 ASP PCN 25 F/B/W/U)

L6,9,38,50 **RWY-28**

RWY-10L

(3698x148 GRE)

RWY-28R

SERVICE - **LGT** - PAPI Rwy 28 GS 2.8°. PAPI rwy 10 and 28 O/S UFN. **FUEL** - (NC 100LL, A1, J8) **OIL** - G-354-355-359-395, H-515-537, 0-142-147-155-156, S-743-749-750-752-1739

REMARKS - Opr 0800Z++-SS (mil HJ) **RSTD** - VFR only. NORDO proh. **CSTMS/IMG** - Avbl

COMMUNICATIONS - **TWR** - (V) 118.7 122.5 137.525 139.3 257.8 (137.525, 139.3, 257.8 Mil, Opr H24)(122.5 Backup) **GND** - 121.8

NAVAIDS - **CUATRO VIENTOS NDB** - MHW 285.000 CVT N40°22.07' W3°46.40' At Fld.

Unk/2°17.2'W

CVT NDB UNUSE

170°-190°

330°-360°

CUBUK, TU **VORW-DME** - HA 114.300 BUK CH 90 N40°14.50' E33°06.28' 212° 8.5 NM

to ESENBGA. 4068/(A)3°00.0'E **NDB** - MHW 425.000 BUK N40°14.50' E33°06.28'

Unk/4°36.7'E

BUK DME unuse byd 25 NM

310°-040° blw 12,000'

110°-160° blw 12,000'

H-4H-13A, L-15B

CULDROSE, UK **EGDR** MIL N50°05.17' W5°15.34' 267 UTC 0(+1DT) **H-3C, L-4E**

(B) **RWY-07** L7A,50

(3372x151 ASP)

L7A,50 **RWY-25**

RWY-12 L5,41,50

(6006x151 ASP PCN 20 F/A/X/U)

L5,24,50 **RWY-30**

←J-BAR RAF (121' OVRN)

J-BAR RAF (147' OVRN) →

RWY-18 L7A,50

(3448x151 ASP)

L7A,50 **RWY-36**

SERVICE - AOE **LGT** - ABn, red coded CU. **JASU** - 1(C1) 1(C5) 1(C6) 1(E3) 1(E4) 1(E11)

1(E12) **FUEL** - Visiting acft rqr refuel must provide a qualified crew member to connect/disconnect fuel hose to/fr acft. 100LL, A1+, J5 (ltd quantities) **FLUID** - LHOX De-Ice **OIL** - O-123-147-149-155-156

REMARKS - Opr 0830-1700Z++ or SS Mon-Thu, 0830-1400Z++ or SS Fri. **RSTD** - PN Mon-Thu; 24 hr PPR Fri. Ctc APP CON 20 NM out for RADAR svc. Rpt LDA Rwy 07-25 3370'. **CAUTION** - Ints copter act. Radio-Sonde balloon launching 0630-0730Z++, 1530-1630Z++ dly 1 NM rad of arpt.

COMMUNICATIONS - **ATIS** - 231.85 **APP** - (R) (E) 134.05 378.55 **TWR** - (E) 122.1X 297.775 123.3X **GND** - 122.1 318.1 **OPS** - 5725

NAVAIDS - **LANDS END VORW-DME** - HA 114.200 LND CH 89 (200/50) N50°08.18' W5°38.22' 106° 15.0 NM to Fld. 800/(A)5°00.0'W (300/70 235°-010°)

ILS/RADAR - ■ **RADAR** - ASR - Call RADAR - (E) 123.3 122.1X 241.95 339.95 PAR - Call Talkdown - (E) 122.1x 123.3x 378.55 262.775

CUNEO LEVALDIGI, IT See LEVALDIGI

B-118 AIRPORT/FACILITY DIRECTORY

CZEMPIN, PL **VORW-DME** - HA 114.500 CZE CH 92 N52°07.84' E16°43.63'
295/(A)1°00.0'E **NDB** - HW 409.000 CZE N52°08.18' E16°43.73' Unk/3°08.5'E
H-8F-5E, L-5E-21A

DAFINAH, SA **VORW-DME** - HA 117.500 DFN CH 122 N23°16.97' E41°43.17'
3175/(A)1°00.0'E See FLIP AP/2, Position reporting. **H-14F, L-20G**

DAGALI, (GEILO DAGALI) NO **ENDI CIV** N60°25.00' E8°30.77' 2618 UTC+1(+2DT)
H-2G, L-1C
RWY-08 L1,5,27,45 (5905x148 ASP PCN 70 F/B/X/U) L1,5,27,45 **RWY-26**
5412→ ←5412
SERVICE - LGT - PVASI Rwy 08 GS 3.7°, PVASI Rwy 26 GS 3.6°. **FUEL** - PPR (NC-100LL)
REMARKS - RSTD - Arpt open for non-public VFR day use only, PPR C +47 (3209)5100 or
(9002)2804.. **CAUTION** - Elk may wander onto the rwy.
COMMUNICATIONS - INFO - 121.3
NAVAIDS - VHF/DF

DAHLEMER BINZ, GM **EDKV CIV** N50°24.35' E6°31.68' 1896 UTC+1(+2DT) **L-6G**
RWY-06 L9,50 (3510x98 ASP AUW12.5) L9,50 **RWY-24**
2625→ ←3379
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0800Z-SS, PPR; O/R 0600-0800Z, SS-SS+30 (0700-1830Z/SS; O/R
0500-0700Z, 1830Z-SS+30 sum) . **RSTD** - Night VFR SS-1930Z++ PPR. **CAUTION** - PJE,
Gldr and ultralgt act. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri.
Before 0800Z++ and aft 1200Z++ Sat, Sun, hol.
COMMUNICATIONS - INFO - 122.375 15 NM 3000 ft. AGL. **LANGEN INFO** - 129.875
118.65
NAVAIDS - VHF/DF

DAHRA, LY **NDB** - HHW 374.000 DHR N29°28.10' E17°56.30' Unk/1°56.0'E **NDB** - HW
360.000 LOR N29°28.42' E17°58.45' Unk/1°56.3'E **H-10F, L-14G**

DAKAR ACC/FIC, SG **GOOO CON** - 120.5 120.5 127.3 127.3 129.5 129.5 (3452 3452
2000-0600Z) (5565 5565 2100-0800Z) 6535 6535 6673 6673 8861 8861 11291 11291 (13315
13315 13357 13357 17955 17955 0600-2000Z) **INFO** -5680 5680
H-9A-11A, B, C, L-13B-19A, B

DAKAR, SG **VORW-DME** - HA 113.100 YF CH 78 N14°44.69' W17°28.49'
At LEOPOLD SEDAR SENGHOR INTL. 111/(A)10°00.0'W **NDB/LMM** - MHW 323.000 SDS
N14°43.00' W17°29.00' 344° 1.4 NM to LEOPOLD SEDAR SENGHOR INTL.
144/8°49.6'W **H-11A, L-19A**

DAKHLA, EG **HEDK CIV** N25°24.70' E29°00.18' 613 UTC+2(+3DT) **H-12H, L-20E**
RWY-15 (8166x148 ASP PCN 30 F/B/X/U) **RWY-33**
REMARKS - Opr SR-SS.
COMMUNICATIONS - RDO - 5859 2562 (2562 sby) **TWR** - 118.3
NAVAIDS - DAKHLA NDB - HW 387.000 MB N25°25.25' E29°00.09' At Fld. 590/2°50.3'E
Opr SR-SS

DAKHLA, (VILLA CISNEROS) WI **GMMH MIL/CIV** N23°43.10' W15°55.92' 36 UTC 0
H-11B, L-19A
RWY-03 L7 (9842x148 ASP SWL40) L7 **RWY-21**
SERVICE - AOE FUEL - (NC-A1)
REMARKS - Opr SR-SS. **RSTD** - 180° turn on rwy proh for acft over 44,000 lb. **CAUTION** -
Bird haz.
COMMUNICATIONS - TWR - Opr SR-SS, O/T PPR. 118.1

AIRPORT/FACILITY DIRECTORY B-119

NAVAIDS - DAKHLA VORW-DME - HA 115.800 DKH CH 105 N23°44.39' W15°55.58' 197°
1.4 NM to Fld. 43/(A)8°00.0'W **DAKHLA NDB** - HHW 221.000 DKA N23°42.28'
W15°55.97' At Fld. Unk/6°44.4'W

DAKOVICA, YI **LY--/LY90** MIL N42°26.11' E20°25.65' 1370 UTC+1(+2DT) **L-12G, H-4F**
RWY-18 L4,5,9,41,50,55 (5904x98 ASP 132 AUW) L5,9,50,55 **RWY-36**

SERVICE - LGT - PAPI Rwy 18 GS 3.6°. **FUEL** - J8

REMARKS - Opr 0700Z++-SS, Ngt F/W OPS 24 hr PPR, (R/W 2 hr PPR). **CAUTION** - Bird haz.

COMMUNICATIONS - APP - (E) 125.0 375.525 **TWR - (E)** 122.1 128.6 279.225

NAVAIDS - DAKOVICA TACAN - L DAK CH 34 N42°25.80' E20°25.90' At Fld. 785/3°11.9'E
MP 0700-0900Z++ fst Sat ea month.
DAK TACAN MRA at 15NM 330°-060° 10,000'
DAK TACAN MRA at 40NM 060°-160° 14,000'
160°-230° 19,000'

DALAMAN, TU **LTBS** CIV N36°42.78' E28°47.55' 20 UTC+2(+3DT) **H-15E-16F, L-15A**
(B) **RWY-01** L2,6,11,50 (9842x148 CON PCN 100 R/A/W/T) L6,11,50 **RWY-19**
500S(B) (1053') 500S(B) (1053')

SERVICE - AOE **FUEL** - A1 (Total / Petro Ofisi, C+90-212-465-7700) (NC-100LL)

COMMUNICATIONS - ATIS - 127.35 **APP - (R) (E)** 119.225 129.5 362.3 **TWR - (E)** 118.5
257.8 128.9 **GND** - 121.9 251.25

NAVAIDS - DALAMAN VORW-DME - HA 114.700 DAL CH 94 N36°41.37' E28°46.92' 018°
1.5 NM to Fld. 33/(A)2°0.0'E **DALAMAN TACAN** - HA DAL CH 100 N36°42.77'
E28°47.34' At Fld. 55/3°44.0'E Opr 0600-1500Z++ **DALAMAN NDB** - MHW 346.000 DAL
N36°41.37' E28°46.92' 017° 1.5 NM to Fld. 20/3°44.2'E
DAL VOR unsafe btn 0-3 NM

ILS/RADAR - ➔ILS - BRG 012° LCZR IDLM 110.1 GS 3°

DALCROSS, UK See INVERNESS

DAMASCUS ACC, SY **OSTT** (CIV) **CON - (R) (V)** 120.0 **A/G - VOICE: RDO** - (2992
Opr SS-SR) 5667 8918 (13312 Opr SR-SS) **H-13A, B, L-15B, C, D-16F, G**

DAMASCUS INTL, SY **OSDI** MIL/CIV N33°24.69' E36°30.93' 2020 UTC+2(+3DT)
H-13A-16G, L-16F

(B) **RWY-05L** L4,5 (CLSD 9843x148 ASP L2,4,5,10,50 **RWY-23R**
PCN 73 R/C/W/T)
RWY-05R L2,3,4,5,11,50 (11811x148 ASP PCN 69 R/C/W/T) L2,3,4,5,12,50 **RWY-23L**

SERVICE - AOE **LGT** - Rwy 05R VASI O/S. ABn O/S. Main twy and aprn lgt O/S. **FUEL** -
(NC-A1)

REMARKS - **CAUTION** - Bird haz, especially Autumn thru Spring.

COMMUNICATIONS - ATIS - 128.225 **APP - (R) (V)** 120.0 121.3 **TWR** - 118.5 121.9

NAVAIDS - DAMASCUS VORW-DME - HA 116.000 DAM CH 107 N33°21.89' E36°28.12'
037° 3.7 NM to Fld. 2033/3°53.2'E **ABYAD NDB** - HHW 264.000 ABD N33°20.12'
E36°25.69' 040° 6.3 NM to Fld. Unk/3°53.0'E **OTAEBE NDB/LOM** - MHW 342.000 DAL
N33°29.25' E36°36.10' 220° 6.3 NM to Fld. 2020/3°54.4'E **MEZZE NDB** - MHW 358.000
MEZ N33°29.00' E36°14.00' 103° 14.8 NM to Fld. Unk/3°53.7'E

ILS/RADAR - ➔ILS - BRG 225° LCZR IDA 109.9 GS 3° NDB DAM 337 ■ **RADAR** - 121.3

DAMAZIN, SU **HSDZ** CIV N11°47.15' E34°20.20' 1582 UTC+3 **L-20F**
RWY-17 L50 (8202x148 ASP) L50 **RWY-35**

REMARKS - Opr 0400-1600Z.

COMMUNICATIONS - INFO - Opr SR-SS. 118.4

NAVAIDS - DAMAZIN NDB - MHW 343.000 DMZ N11°47.46' E34°20.41' At Fld.
Unk/2°08.6'E

B-120 AIRPORT/FACILITY DIRECTORY

DAMBLAIN, FR **LFYD** MIL N48°05.18' E5°39.84' 1280 UTC+1(+2DT) **H-6G-7B, L-6F**
RWY-07 (7874x148 ASP S41 T60 TT106) **RWY-25**
REMARKS - Opr by NOTAM OT O/R to Ochey.
COMMUNICATIONS - **APP** - **(U)** 254.775 362.3 **TWR** - 257.8 363.5
ILS/RADAR - **■ RADAR** - ASR - Call RADAR - 359.325 PAR - Call GCA - 340.35. Hrs by NOTAM.

DAMMAM, SA See KING FAHD INTL

DAOUARAT, MO **NDB** - HHW 345.000 CSD N32°56.02' W8°03.90' Unk/3°26.0'W
H-9A, L-13B

DARBAND, IR **VORW-DME** - HA 113.700 DAR CH 84 N31°46.99' E56°59.67'
2057/(A)2°00.0'E **H-13D, L-17C-18G**

DARLOWO, PL **VORW-DME** - HA 114.200 DAR CH 89 N54°24.61' E16°23.28'
98/(A)2°00.0'E **H-8F-2G-5E, L-2F-21A**

DARU, HU See TOKOL

DAS ISLAND, AE **OMAS** PVT N25°08.77' E52°52.42' 12 UTC+4 **H-14G, L-18F**
RWY-15L43 (3537x98 ASP) **L43****RWY-33**
SERVICE - **FUEL** - 100LL, A1
REMARKS - Opr HO. Abu Dhabi Marine Operating Co. Fone C02 771 100.
COMMUNICATIONS - **OPS** - HX 120.2
NAVAIDS - **DAS ISLAND NDB** - HW 366.000 ID N25°09.93' E52°54.02' 230° 1.9 NM to Fld.
Unk/1°45.7'E For sked flt only.

DASHT-E-NAZ, IR **NDB** - MHW 362.000 DNZ N36°40.20' E53°10.66' 160° 2.2 NM
to SARI DASHT E NAZ. Unk/4°13.1'E **VORW-DME** - HA 113.100 DNZ CH 78 N36°38.67'
E53°11.42' At SARI DASHT E NAZ. 35/(A)4°00.0'E
DNZ VOR-DME unuse
075°-100° byd 35 NM blw 11,500'
075°-105° fr 8-20 NM blw 4000'
075°-105° fr 20-30 NM blw 7500'
075°-105° fr 30-35 NM blw 11,500'
075°-200° wi 8 NM blw 2000'
100°-105° byd 35 NM blw 12,500'
105°-150° fr 8-15 NM blw 3500'
105°-150° fr 15-25 NM blw 6500'
105°-150° fr 25-35 NM blw 11,500'
105°-150° byd 35 NM blw 12,500'
150°-185° fr 8-20 NM blw 4500'
150°-185° fr 20-30 NM blw 7000'
150°-185° byd 30 NM blw 12,500'
185°-210° fr 8-25 NM blw 4500'
185°-210° fr 25-30 NM blw 6000'
185°-210° byd 30 NM blw 11,000'
210°-220° fr 15-30 NM blw 3000'
210°-220° byd 30 NM blw 7500'
220°-240° byd 30 NM blw 6000'

H-13C, L-17B

DAUGAVPILS, LG **VORW-DME** - HA 114.100 DGP CH 88 N55°56.84' E26°40.53'
400/6°38.3'E **L-2H**

DAVENTRY, UK **VORW-DME** - HA 116.400 DTY CH 111 (060/50) N52°10.82' W1°06.83'
600/(A)4°00.0'W (75/50 in sctr 287°-347°) **H-6F, L-4G**

AIRPORT/FACILITY DIRECTORY B-121

DAWADMI, SA See PRINCE SALMAN BIN ABDULAZIZ

DAYRESTAN, IR **OIKQ** CIV N26°45.28' E55°54.14' 45 UTC+3:30 **H-13D, L-18G**
RWY-05 L5,12,50 (13864x148 ASP PCN 48 F/B/X/T) L5,12,50 **RWY-23**
SERVICE - FUEL - Opr 0430-1630Z (NC-A1)
REMARKS - Opr SR-SS. OT O/R. **CAUTION** - Animal and bird haz. 2' hi covered manholes
along both sides of rwy.
COMMUNICATIONS - INFO - (V) 118.05 121.65
NAVAIDS - DAYRESTAN NDB-DME - MHW 233.000 KHM CH 118 N26°45.78' E55°54.46'
At Fld. 31/1°42.0'E

DEAN CROSS, UK **VORW-DME** - HA 115.200 DCS CH 99 (060/50) N54°43.32'
W3°20.43' 700/(A)5°36.5'W (100/50 in sctr 289x-349x) Due to terrain eff crs deviations and
flag alarms may be experienced at certain points in the vcnty of rad 284x and 019x. In
addition coverage at low level is reduced in sctr 094x-164x. **H-3D-5A, L-3C**

DEAUVILLE, FR **VORW** - HA 110.200 DVL (060/50) N49°18.64' E0°18.76' 301° 7.0 NM
to ST GATIEN. 497/(A)3°0.0'W **H-6F, L-7C**

DEAUX, FR **LFMS** CIV N44°04.18' E4°08.53' 668 UTC+1(+2DT) **L-11D**
RWY-01 L7,9,50 (4576x98 ASP S42 T60 ST76) L7 **RWY-19**
3920→
SERVICE - FUEL - (NC-100LL)
REMARKS - Opr 0730-1100Z++, 1300-1700Z++ Mon-Thu; 0730-1100Z++, 1300-1600Z++
Fri; PN rqr for Sat, Sun, hol.
COMMUNICATIONS - GARONS APP - 122.1 124.9 **ALES INFO** - 130.2
NAVAIDS - ALES NDB - MHW 402.000 DA N44°03.99' E4°08.54' At Fld. 681/0°8.0'W

DEBLIN, PL **EPDE** MIL N51°33.08' E21°53.62' 392 UTC+1(+2DT) **H-8G, L-21BC-22G**
RWY-12 L6,A (8202x197 ASP PCN 37 F/B/X/T) L6,A **RWY-30**
SERVICE - FUEL - Avbl PPR. 100LL A1
REMARKS - Opr 0630-1430Z++
COMMUNICATIONS - INFO - 128.5

DEBRECEN, HU **LHDC** CIV N47°29.34' E21°36.92' 359 UTC+1(+2DT) **H-4F, L-10G**
RWY-05L (CLSD 8087x230 CON) **RWY-23R**
RWY-05R L5,11,50 (8196x131 CON PCN 60 R/B/X/U) L5,9 **RWY-23L**
←7217
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0430-2300Z++ Mon-Fri, 0430-1900Z++ Sat, 0700-2300Z++ Sun
CSTMS/AG/IMG - Opr 0700-1700Z++ OT 24 hr PN.
COMMUNICATIONS - INFO - 125.9 132.4 **BUDAPEST INFO** - 133.3
NAVAIDS - DEBRECEN NDB - MHW 326.000 C N47°28.52' E21°35.59' 044° 1.2 NM to Fld.
Unk/3°53.2'E **DEBRECEN NDB** - MHW 295.000 DC N47°27.40' E21°33.78' 044° 2.9 NM
to Fld. 361/3°52.7'E
ILS/RADAR - → **ILS-DME** - BRG 44° LCZR DCN 110.1 CH 38 GS 3.0°.LOM LO 295 MM LI 326.

DEBRE MARCOS, ET **NDB** - HW 235.000 DM N10°15.00' E37°40.00' Unk/1°53.3'E
L-20F

DECIMOMANNU, (G FARINA) IT **LIED** MIL N39°21.25' E8°58.35' 100
UTC+1(+2DT) **H-15B, L-12E**
(B) **RWY-17L** L5,9,33,50 (9810x148 ASP SWL 57) L5,9,33,50 **RWY-35R**
9316→ ←9315
HOOK DUAL(B) (1089') HOOK DUAL(B) (1104')
RWY-17R L5,9,50 (8565x74 ASP SWL 57) L5,9,50 **RWY-35L**
HOOK DUAL(B) (810') HOOK DUAL(B) (967')

B-122 AIRPORT/FACILITY DIRECTORY

SERVICE - AOE **LGT** - PAPI all rwy GS 2.8°. Rwy 17R/35L rwy lgt O/S UFN. Rwy 17R/35L REIL O/S UFN. Calvert Rwy 17L O/S UFN. Multi twy lgts O/S UFN. **A-GEAR** - Rwy 35L BAK-12 O/S UFN. **JASU** - 1(MC-1A) 1(MD-3) **FUEL** - J8 **FLUID** - HPOX LPOX LOX **OIL** - O-147-148-156 H-515

REMARKS - Opr 0630-1500Z++ Mon-Thu; 0630-1130Z++ Fri. **RSTD** - PPR H24 ItAF Base OPS Cntr (BOC) C39-70-966-2316/2579.

COMMUNICATIONS - **CAGLIARI APP** - (R) (E) 118.75 118.4 344.0 389.225 362.3 (E sctr opr H24) **TWR** - (E) 122.1 140.4 257.8 284.375 **GND** - 279.175

NAVAIDS - **DECIMOMANNU TACAN** - HA DEC CH 19 (200/60) N39°22.87' E8°57.93' 168° 1.6 NM to Fld. 198/1°01.8'E MP 0700-0800Z++ 3rd Sat. **DECIMOMANNU NDB** - MHW 331.000 DEC N39°21.82' E8°58.45' At Fld. Unk/1°01.9'E MP 0900-1100Z++1st Sat.
DEC TACAN MRA at 40 NM 000°-130° 10,000'
130°-170° 6000'
170°-310° 17,000'
310°-360° 6000'
DEC NDB MRA at 50 NM 360°-120° 17,000'
120°-180° 2000'
180°-310° 17,000'
310°-360° 6000'

ILS/RADAR - **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

DEELEN, NL **EHD**L MIL N52°03.63' E5°52.38' 158 UTC+1(+2DT) **H-5C-6H, L-5A**
RWY-02L553 (9678x164 PEM) L4,5,24,53**RWY-20**
8783→ ←8779

REMARKS - **RSTD** - Clsd to all acft exc preplanned RNLAf copter. **CAUTION** - Glidr/model flying act Sat, Sun and hol SR-SS and O/R. **CS/TMS/IMG** - Avbl with 48 hr PN.

COMMUNICATIONS - **RAPCON WEST MIL ATCC** - Opr HO (R) (E) 123.575 375.875
TWR - Opr HO (E) 122.1 371.475 257.8

NAVAIDS - **DEELEN TACAN** - HA DLN CH 59 (040/25) N52°03.43' E5°52.37' At Fld. 158/0°12.6'W

ILS/RADAR - **■ RADAR** -(E)Opr HO - ASR/PAR Call Director 342.025 Monitor 123.3 312.575 362.3 369.475 Final 385.4

DEHNAMAK, IR **VORW-DME** - HA 114.500 DHN CH 92 N35°15.24' E52°43.22'
2756/(A)3°00.0'E
DHN VOR unused

310°-050° byd 40 NM blw 20,000'
050°-080° byd 40 NM blw 11,000'
080°-180° byd 40 NM blw 8000'
180°-250° byd 40 NM blw 7000'
250°-290° byd 40 NM blw 12,000'
290°-310° byd 40 NM blw 18,000'

H-13C, L-17B

DEIR ZZOR, SY **OSDZ** MIL/CIV N35°17.12' E40°10.56' 700 UTC+2(+3DT)
H-13B-16G, L-15C

RWY-10L (9843x148 ASP PCN 50 F/B/Y/T)
RWY-10R (CLSD 11000x148 SAN)

RWY-28R
RWY-28L

REMARKS - Opr HO, OT O/R.

COMMUNICATIONS - **TWR** - 118.1

NAVAIDS - **DEIR ZZOR DVORW-DME** - HA 117.000 DRZ CH 117 N35°17.52' E40°09.23' 106° 1.2 NM to Fld. 700/4°13.7'E **DEIR ZZOR NDB** - HHW 295.000 DRZ N35°17.35' E40°11.25' At Fld. Unk/4°13.8'E Opr by NOTAM, OT O/R.

DEKELIA, GR **NDB** - MHW 388.000 DEK N38°06.20' E23°46.33' At TATOI. Unk/3°18.0'E O/S **T-2E**

DE KOOY, NL **EHKD** MIL N52°55.40' E4°46.84' 3 UTC+1(+2DT) **L-5A**
RWY-04L5,9 (4183x98 CON PCN 21 R/B/W/T) L5,9,24**RWY-22**
3379→ ←3379

SERVICE - **JASU** - 1(DSA 150) 1(ST-56) **FUEL** - (NC100LL, A-1, J5)

AIRPORT/FACILITY DIRECTORY B-123

REMARKS - Opr 0600-2100Z++ Mon-Fri; 0600-1000Z++, 1400-1900Z++ Sat, Sun, and legal hol; OT PPR. **RSTD** - PPR for civ and VFR t/c. Rpt LDA Rwy 04/22 is 3379'. **CAUTION** - Gldr, lgt acft and model flying act 1800Z++-SS Fri; SR-SS Sat, Sun and hol. **CSTMS/IMG** - Avbl - 30 MIN PN.

COMMUNICATIONS - **APP** - (R) (E) 119.1 341.55 122.1 362.3 **TWR** - Outside opr hr ctc DUTCH MIL info 132.35 or 264.325 (E) 120.125 234.8 122.1 257.8 **GND** - Opr HO 121.725 234.8 **FSS-FINAL** - 123.3 234.15

NAVAIDS - **DEN HELDER VORW-DME** - HA 115.550 HDR CH 102(Y) (120/25) N52°54.42' E4°45.95' 030° 1.1 NM to Fld. 29/0°40.5'W (90/25 in sctr 015°-150°) **VHF/UHF/DF**

ILS/RADAR - **ILS-DME** 22 **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

DENAIN, FR **LFAV** CIV N50°19.55' E3°27.68' 177 UTC+1(+2DT) **H-6G, L-4H-5A-7D**
RWY-11 L1,5,9,12,50 (5610x148 ASP S57 T69 ST88 TT120) L1,5,9,50 **RWY-29**
5042→ ←5225

SERVICE - **FUEL** - (NC-100LL, A1).

REMARKS - Opr 0700-1100Z++, 1300-1700Z++ Mon-Fri. OT by fax 03 27 21 11 24 before 1700Z++ (1100Z++ prev day for Sat, Sun, hol). **RSTD** - Rwy 11 rpt LDA 5043', Rwy 29 rpt LDA 5315'. Rwy 11-29 ASP NORDO proh. GRASS Rwy 11-29, 2034' x 262', N of ASP Rwy 11-29, used for gldr act. Simultaneous use of Rwy 11-29 ASP and 11-29 GRASS proh.

CAUTION - Pilot trng, gldr and ultraltg act. **CSTMS/IMG** - Avbl H24 Mon-Fri with 4 hr PN, Sat, Sun, hol O/R before 1100Z++ prev day.

COMMUNICATIONS - **LILLE APP** - Opr H24 (R) 126.475

VALENCIENNES INFO - 122.6

ILS/RADAR - **LOC-DME** - BRG 112° LCZR VS 108.5 CH 22 LCTR VS 317

DEN HELDER, NL **VORW-DME** - HA 115.550 HDR CH 102(Y) (120/25) N52°54.42' E4°45.95' 030° 1.1 NM to DE KOOY. 29/0°40.5'W (90/25 in sctr 015°-150°) **H-5C, L-5A**

DEOLS, FR **FLFX** CIV N46°51.73' E1°43.84' 529 UTC+1(+2DT) **H-7B, L-8G**
RWY-04 L5,9,50 (11483x148 CON PCN 55 F/C/W/T) L5,9,27,50 **RWY-22**

SERVICE - **AOE FUEL** - 0700-1900Z++. (NC- A1).

REMARKS - Opr 0700-1700Z++ Mon-Fri exc hol, 0800-1700Z++ Sat, Sun and hol. OT PPR before 1700Z++. **RSTD** - NORDO proh.

COMMUNICATIONS - **POITERS APP** - Opr 0530Z++ Mon-1900Z++ Sat; 0700-1900Z++ Sun and hol. (R) 130.9 **CHATEAUROUX TWR** - Opr 0700-1700Z++ Mon-Fri exc hol. OT PPR before 1600Z++. 125.875 **CHATEAUROUX INFO** - Opr 0800-1700Z++ Sat, Sun and hol. OT PPR before 1600Z++. 125.875

NAVAIDS - **CHATEAUROUX NDB** - HW 428.000 CTX N46°56.20' E1°48.07' 213° 5.3 NM to Fld. 539/1°4.0'W **VHF/DF**

ILS/RADAR - **ILS-DME** - BRG 215° LCZR CX 110.3 CH 40 GS 3° LOM CTX 428

DERRY, UK See LONDONDERRY EGLINTON

DERVENTA, BK **VORW-DME** - HA 112.400 DER CH 71 N44°59.05' E17°58.17' 436/(A)1°00.0'E **H-4E, L-10F**

DESNA, EZ **VORW-DME** - HA 113.150 OKF CH 78(Y) (080/25) N48°58.15' E15°32.73' 1600/2°39.1'E **H-4E-6I, L-6J-10E**

DESSAU, GM **EDAD** CIV N51°49.91' E12°11.04' 187 UTC+1(+2DT) **L-5D**
(B) **RWY-09L7** (3281x82 ASP) L7 **RWY-27**

SERVICE - **FUEL** - (NC- 100LL, A1)

REMARKS - Opr 0700-1800Z Mon-Fri; 0800-1800Z Sat, Sun, hol; (0600-1800Z Mon-Fri; 0700-1700Z Sat, Sun, hol DT). OT PPR. **CAUTION** - Gldr cable winch launcher S of ASP rwy. PJE. **NS ABTMT** - Before 0600Z++, b/n 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/IMG** - CSTMS avbl - PPR.

COMMUNICATIONS - **BERLIN INFO** - (E) 125.8 **INFO** - 118.175 (15 NM 3000ft GND)

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DETLING, UK **VORW-DME** - HA 117.300 DET CH 120 (060/50) N51°18.23' E0°35.83'
645/(A)3°00.0'W **H-6F, L-4G,**

DEURNE, (ANTWERPEN) BE **EBAW** CIV N51°11.37' E4°27.62' 39 UTC+1(+2DT) **L-5A**
RWY-11 L4,5,9,12,50 (4954x148 ASP PCN 30 F/A/W/U) L4,5,9,12,50 **RWY-29**
4482→

SERVICE - AOE **LGT** - PAPI Rwy 11 GS 3.5° MEHT 57', Rwy 29 GS 3.1° MEHT 54'. **FUEL** -
Avbl 0630-2100Z (0630-2130Z sum). (NC-100LL, A1)

REMARKS - Opr 0530-2200Z++, OT PPR. **RSTD** - Copter gnd trng proh unless PPR fr Arpt
Auth. Gldr proh. Rwy 29 LDA 4629' aft SS. VFR/IFR flt trng proh aft 2200Z++.

CAUTION - UFN 5 200' cranes erected aprx 7500', 203' fr thld Rwy 11. **TFC PAT** - Apch
end zone N and S. Tfc pat N or S 1100'. Wires and bldg W. **NS ABTMT** - Proh to acft not
certified IAW ICAO Annex 16. Keep use of reverse thrust to a min. **CSTMS/AG/IMG** -
Avbl 0530-2200Z++ OT O/R. **MISC** - Fone ETS 382-6113.

COMMUNICATIONS - **BRUSSELS APP - (R) (E)** 118.25 389.375 Call ARRIVAL
ANTWERPEN TWR - (V) 135.2 119.7 **ANTWERPEN GND** - 121.8

NAVAIDS - **ANTWERPEN TVORW-DME** - T 113.500 ANT CH 82 (040/25) N51°11.43'
E4°28.35' At Fld. 78/0°36.4'W **NICKY DVORW-DME** - HA 117.400 NIK CH 121 (060/50)
N51°09.90' E4°11.03' 083° 10.5 NM to Fld. 119/(A)2°00.0'W (100/50)
ANTWERP NDB/LMM - MHW 309.000 WW N51°11.10' E4°29.13' 287° 1.0 NM to Fld.
Unk/0°36.1'W **ANTWERPEN NDB/LOM** - HHW 355.000 ONW N51°10.05' E4°33.98'
289° 4.2 NM to Fld. Unk/0°34.4'W **VHF/DF**

ILS/RADAR - **ILS**

DEVA, RO **DVORW-DME** - HA 109.800 DVA CH 35 N45°49.68' E22°58.13' 810/3°57.8'E
H-4F, L-10H

DEVESELU, RO **LR-/LR81** MIL N44°04.64' E24°24.98' 289 UTC+2(+3DT)
H-4G, L-10I-12H
RWY-11 L7,9,A (8202x262 CON 34 SWL) L7,9,A **RWY-29**

SERVICE - **FUEL** - (NC-A1) **FLUID** - OX **OIL** - O-MK8P

COMMUNICATIONS - **APP - (R)** 130.0 **TWR** - 130.0 **DEP** - 130.0

NAVAIDS - **DEVESELU NDB** - MHW 432.000 D N44°05.08' E24°23.17' 109° 1.4 NM to Fld.
Unk/4°0.0'E **DEVESELU WEST NDB** - MHW 214.000 DA N44°05.40' E24°20.97' 105°
3.0 NM to Fld. Unk/4°0.0'E

ILS/RADAR - **■ RADAR** - PAR - Call RADAR - 130.0

DEVNYA, BU **NDB** - HHW 350.000 DWN N43°15.00' E27°39.25' 094° 7.6 NM to VARNA.
Unk/4°23.7'E **H-4G, L-12H**

DEZFUL, IR **OIAD** MIL N32°26.07' E48°23.86' 474 UTC+3:30 **H-13C, L-17A-18E**
(B) **RWY-14L** L5,35,43 (11729x148 ASP) L5,35,43 **RWY-32R**
←NET UNK (185' OVRN) ←UNK (123' OVRN)
RWY-14R L5 (12641x115 ASP) UNK (337' OVRN) →NET UNK (366' OVRN) →
L5,43 **RWY-32L**
←11691
UNK (51' OVRN) →NET UNK (110' OVRN) →

SERVICE - **FUEL** - (NC-100LL, J4)

REMARKS - **RSTD** - PPR.

COMMUNICATIONS - **APP** - 123.6 131.4 362.3 385.4 261.4 344.0 (344.0 emerg)
TWR - 122.3 124.0 257.8 275.8

NAVAIDS - **DEZFUL TACAN** - HA DZF CH 115 N32°24.98' E48°25.02' 318° 1.5 NM to Fld.
487/3°28.0'E **DEZFUL NDB** - HHW 293.000 DZF N32°26.28' E48°22.70' At Fld.
474/3°29.0'E **UHF/DF**

DHAHRAN, SA See KING ABDULAZIZ AB

AIRPORT/FACILITY DIRECTORY B-125

DHEKELIA, CY **NDB** - HW 343.000 DKA N34°58.93' E33°43.97' Unk/3°57.2'E
H-13A, L-15B-16F

DIAGORAS, GR **LGRP** CIV N36°24.33' E28°05.17' 17 UTC+2(+3DT)

H-10H-15E, L-14H-15A
(B) **RWY-07** L5,12,50 (10846x148 ASP PCN 73 F/B/X/U) L5,10,50 **RWY-25**

SERVICE - AOE **LGT** - PAPI left side Rwy 07-25 only. CL Rwy 07 O/S UFN. TDZL Rwy 25 O/S UFN. **FUEL** - A1(EKO Elda Abee, avail 0600-2000Z++ Nov-Mar, OT H24 PN; H24 Apr-Oct., fone C30-24-10-82834) (NC-100LL).

REMARKS - **RSTD** - VMC ovft city of Rodos proh. **CAUTION** - Mod to severe turb and windshear may be experienced. Bird haz. **MISC** - While on apch and/or dep, pilots are urged to provide windshear rpt to TWR or APP ASAP.

COMMUNICATIONS - **ATIS** - Opr 0500-2000Z++ 126.35 **RODOS APP** - Opr 0500-2000Z++, OT when pers avbl (**R**) (**E**) 118.25 120.6 122.1 278.25 **TWR** - (**E**) 118.2 122.1 257.8 381.0 **REMARKS**: Aftct on VFR apch fr S-SE blw FL100 ctc APP due to ltd propagation on 118.2. **GND** - (**V**) 121.7 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - **PARADISI TVORW-DME** - L 108.600 PAR CH 23 (025/25) N36°24.01' E28°03.92' 072° 1.0 NM to Fld. 19/3°38.1'E **RODOS VORW-DME** - HA 115.800 RDS CH 105 (200/50) N36°20.47' E28°04.95' 002° 3.9 NM to Fld. 1553/(A)1°0.0'E **RODOS TACAN** - HA ROD CH 121 (150/25) N36°20.47' E28°04.95' 003° 3.9 NM to Fld. 17/3°37.9'E O/S UFN **RODOS NDB** - MHW 339.000 ROS N36°25.10' E28°07.08' 241° 1.7 NM to Fld. Unk/3°38.6'E

ILS/RADAR - **ILS**

DIDIMON, GR **VORW-DME** - HA 117.200 DDM CH 119 (150/50) N37°28.66' E23°13.03' 3609/(A)1°00.0'E **H-15D, L-14H, T-2E**

DIEKIRCH, LU **DVORW-DME** - HA 114.400 DIK CH 91 (070/50) N49°51.68' E6°07.78' 1109/(A)1°00.0'W **NDB** - HHW 307.000 DIK N49°51.68' E6°07.78' Unk/0°02.4'E **H-6H, L-6G**

DIEPHOLZ, GM **ETND** MIL/CIV N52°35.13' E8°20.46' 127 UTC+1(+2DT) **L-5B**
(B) **RWY-08** L5 (4209x148 ASP) L5,33 **RWY-26**

SERVICE - AOE **FUEL** - J8 **OIL** - O-133-156 **TRAN ALERT** - No cross svc exc refuel.

REMARKS - **RSTD** - PPR 24 hr. **CAUTION** - Ant mast 244' MSL/119' AGL, 343° (T) 1798' fr thld Rwy 26, day and ngt mrk. Ant mast 201' MSL/78' AGL, 309° (T) 1683' fr thld Rwy 26, day and ngt mrk. Chimney 206' MSL/83' AGL, 315° (T) 2306' fr thld Rwy 26, day and ngt mrk. **CSTMS/AG/IMG** - PPR 24 hr. No cargo. **MISC** - If destn of acft is LW WERFT 23 this shall be inserted in item 18 of the FPL as follows: LW WERFT 23. Fone C05441-5900-2265.

COMMUNICATIONS - **BREMEN CON** - (**R**) (**E**) 124.65 372.55 **TWR** - (**E**) 122.1 140.6 257.8 379.3 **BREMEN INFO** - (**E**) 119.825 385.2

NAVAIDS - **DIEPHOLZ NDB/LOM** - MHW 325.000 DP N52°35.50' E8°27.21' 265° 4.1 NM to Fld. 191/0°37.2'E

ILS/RADAR - **ILS** - BRG 265° LCZR I-DIW 108.35 GS 3.2°

DIEPPE, FR **VORW** - HA 115.800 DPE (040/50) N49°55.52' E1°10.24' 362/(A)3°0.0'W **H-6G, L-4G-7C**

DIFFA, NG **DRZF** CIV N13°22.37' E12°37.60' 994 UTC+1 **L-19D**
RWY-09 (5906x98 ASP 737)

RWY-27

REMARKS - Opr O/R SR-SS with 48 hr PN to Niamey Civ Avn Admin; DRRVYAYX.

DIGNANGAN, (SIKASSO) ML **GASO** N11°35.88' W5°47.98' 1301 UTC 0 **L-19B, H-11C**
RWY-08 L17,55 (5255x100 ASP) L50,55 **RWY-26**

COMMUNICATIONS - **SIKASSO TWR** - 118.1

B-126 AIRPORT/FACILITY DIRECTORY

NAVAIDS - SIKASSO VORW-DME - HA 116.500 SKO CH 112 N11°35.53' W5°48.95' 075°
1.0 NM to Fld. 1397/4°56.0'W

DIGNE, FR **VORW** - HA 113.850 DGN (090/50) N43°59.48' E6°06.05' Unk/(A)0°00.0'E
(150/50 to S) **H-7C-15B, L-11D**

DIJON, FR **VORW-DME** - HA 111.450 DJL CH 51(Y) (060/50) N47°16.25' E5°05.84'
At LONGVIC. 726/0°5.0'W (80/50 015°-075°, 100/50 105°-165°) **TACAN** - HA DIJ CH 82
(060/50) N47°16.32' E5°05.49' At LONGVIC. 726/(A)1°0.0'W **H-7B, L-6F-8H-9A**

DIKSON, RS **UODD** (CIV) **(R) CON** - **133.4** 133.4 to FL69 (NORILSK NORTH CONTROL
133.4 6672 8822X abv FL79). **T-2G**

DIKSON, RS **NDB** - HHW 405.000 SU N73°31.00' E80°22.90' Unk/29°40.7'E **T-2G**

DIMOKRITOS, GR **LGAL** CIV N40°51.35' E25°57.38' 24 UTC+2(+3DT)

H-15E-4G, L-12H-15A

(B) **RWY-07** L5,12,50

(8471x148 ASP PCN 53 F/B/X/U)

L5,12,50 **RWY-25**

SERVICE - LGT - ABn coded ALP. **FUEL** - (NC-A1) 24 hr PN.

REMARKS - HO - opr hrs publ by NOTAM. **RSTD** - Use min pwr when turning and when
exhausts twd trml. Acft with max tkof wt more than 12,500 lbs use turning cir to turn.

CSTMS/IMG - Avbl H24 with 3 hr PN.

COMMUNICATIONS - ALEXANDROUPOLIS APP - (V) 123.8 122.1 257.8

ALEXANDROUPOLIS TWR - (V) 123.8 122.1 257.8

ALEXANDROUPOLIS RDO - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr
1700-0400Z++)

NAVAIDS - ALEXANDROUPOLIS VORW-DME - HA 113.800 ALX CH 85 (150/50)
N40°51.30' E25°57.43' At Fld. 26/(A)3°00.0'E **ALEXANDROUPOLIS NDB** - MHW
351.000 ALP N40°51.45' E25°56.65' At Fld. Unk/3°51.5'E

DINARD, FR **VORW-DME** - HA 114.300 DIN CH 90 (080/50) N48°35.16' W2°04.94'
At PLEURTUIT. 213/(A)4°0.0'W R-338 out of tolerance. **H-3C-7A, L-7B**

DINKELSBUHL, GM **DVORTACW** - HA 117.800 DKB CH 125 (060/50) N49°08.57'
E10°14.30' 1790/(A)1°00.0'E DVOR sctr 125°-200° scallopings of short duration up to ± 3°
wi 1 NM, up to 35 NM btn gnd and 10,000', byd 30 NM btn 10,000' and 15,000', byd 50
NM btn 15,000' and 20,000'. **H-6I, L-6H**

DIONYSIOS SOLOMOS, GR **LGZA** CIV N37°45.05' E20°53.06' 15

UTC+2(+3DT) **H-15D, L-14G**

(B) **RWY-16** L6,50

(7310x98 ASP PCN 36 F/D/X/U)

L6,50 **RWY-34**

6670→

←6651

SERVICE - FUEL - (NC-A1 ltd quantity)

REMARKS - Opr by NOTAM. PPR 24 hr PN. Fone C302-695-02-9503. **CSTMS/IMG** - Avbl
SR-SS with 4 hr PN. **MISC** - Pilots are req to use min pwr for all manouvers on the ramp.
Btn 1 Apr to 31 Oct all acft req to call twr 5 min prior to eng start. Copter tfc shall ctc Twr
prior to rwy use for ldg and tkof. Otherwise they must use apr stand for tkof and ldg
without affecting the active rwy or any arpt installations, eqpt or lgt acft.

COMMUNICATIONS - TWR - (V) 125.425 257.8 122.1 **RDO** - 5637 2989 (5637 Opr
0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - ZAKINTHOS VORW-DME - HA 110.800 ZAK CH 45 (040/25) N37°44.69'
E20°53.05' At Fld. 20/(A)1°00.0'E **ZAKINTHOS NDB** - MHW 326.000 ZAT N37°45.10'
E20°53.14' At Fld. 14/2°53.9'E

DIORI HAMANI, (NIAMEY) NG **DRRN** MIL/CIV N13°28.89' E2°11.02' 732 UTC+1
H-11D, L19C

RWY-09L

(5315x131 LAT)

RWY-27R

RWY-09R L5,9,11

(9843x148 ASP PCN 59 F/B/X/T)

L5,9,50 **RWY-27L**

SERVICE - AOE FUEL - (NC-100LL, A1)

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REMARKS - RSTD - Ovft of city proh. **CAUTION** - Laterite rwy unsvc for 24 hr flw rain.

COMMUNICATIONS - NIAMEY CON - 131.3 126.1 **NIAMEY TWR** - 119.7 118.1

REMARKS: Provides APP. **NIAMEY INFO** - 5652 6586 8894 8903 13294

NAVAIDS - **NIAMEY VORW-DME** - HA 114.100 NY CH 88 N13°29.00' E2°12.38' 265°
1.3 NM to Fld. 732/2°19.5'W

ILS/RADAR - ➔**ILS-DME** - BRG 090° LCZR NM 109.9 CH 36 GS 3.0° LMM NY 289

DIRE DAWA INTL, ET **HADR** MIL/CIV N9°37.48' E41°51.25' 3827 UTC+3 **L-20G**
RWY-15 L5A,50 (8791x148 ASP PCN 30 R/B/W/U) **L5 RWY-33**

REMARKS - Opr 0300-1700Z **CAUTION** - Animal haz. **RWY** - IFR flt are not permitted to
tkof fr Rwy 15 or apch and ldg on Rwy 33.

COMMUNICATIONS - **APP** - 120.1 120.3 7595 **TWR** - (V) 118.3 **GND** - 121.9

NAVAIDS - **DIRE DAWA VORW-DME** - HA 117.700 DWA CH 124 N9°38.27' E41°50.93'
At Fld. 3750/1°23.4'E **DIRE DAWA NDB** - HW 241.000 AY N9°38.63' E41°50.65' 153°
1.3 NM to Fld. Unk/1°23.4'E

DIRKOU, NG **DRZD** MIL/CIV N18°58.12' E12°52.12' 1273 UTC+1 **H-12E, L-19D**
RWY-04 (5249x131 ASP) **RWY-22**

NAVAIDS - **DIRKOU VORW** - HA 113.900 DIR N18°58.89' E12°52.83' At Fld.
1289/0°21.2'E

DISHFORTH, UK **EGXD** MIL N54°08.23' W1°25.22' 117 UTC 0(+1DT) **H-3D-5B, L-3C**
RWY-10 (4469x151 ASP) **RWY-28**
3071→
RWY-15 L7,34,50 (6096x151 ASP) **L5,7,50 RWY-33**
5630→ ←5781

SERVICE - **FUEL** - A1+

REMARKS - Opr 0830-1700Z++ Mon-Fri. **RSTD** - PPR thru Linton-On-Ouse. **RWY** - Rwy
16-34 avbl only as a relief rwy by No 1 FTS F/W acft.

COMMUNICATIONS - **APP** - (R) (E) 125.0 122.1 239.775 362.3X **TWR** - 122.1X 278.225
GND - 122.1X 371.975 **AG** - 130.1 **AAC OPS** - 242.25

DIYARBAKIR, TU **LTCC** MIL/CIV N37°53.63' E40°12.06' 2251 UTC+2(+3DT)
H-13A, L-15C
(B) **RWY-16** L5,50 (11644x148 CON PCN 110 R/A/W/T) **L5,33,50 RWY-34**
←NET BEFAB (184' OVRN) 500S(B) (1260') 500S(B) (5780')
500S(B) (1284') NET BEFAB (184' OVRN) →

SERVICE - **A-GEAR** - MA-1A barriers instl on both ends of parl twy for emerg use. **FUEL** -
(NC-J8) **FLUID** - PRESAIR LPOX LOX **OIL** - O-148 **TRAN ALERT** - Svc avbl.

REMARKS - Opr by NOTAM. **CSTMS/IMG** - CSTMS avbl, 2 hr PN rqr.

COMMUNICATIONS - **ATIS** - Opr H24 122.425 293.85 **APP** - Opr H24 122.1 362.3
TWR - Opr H24 118.1 122.1 257.8 **GND** - 122.1 251.25 **MAC ALCE** - 123.2 129.65 247.1
362.3 24215

NAVAIDS - **DIYARBAKIR VORW-DME** - HA 109.400 DYB CH 31 N37°52.25' E40°12.52'
341° 1.4 NM to Fld. 2162/(A)4°00.0'E **DIYARBAKIR TACAN** - T DIY CH 37 N37°54.18'
E40°11.54' At Fld. 2254/4°40.8'E **DIYARBAKIR NDB** - MHW 330.000 DYB N37°52.25'
E40°12.52' 341° 1.4 NM to Fld. Unk/4°40.6'E H24

ILS/RADAR - ■**RADAR** - ASR/PAR Call 123.3 344.0

DJANET, AG **DVORW-DME** - HA 114.100 DJA CH 88 (200/50) N24°17.27' E9°27.20'
At TISKA. 3176/(A)1°00.0'W **NDB** - HW 274.000 DJA N24°17.20' E9°27.29' At TISKA.
3176/0°20.6'E **H-11D-12E, L-19C**

DJERBA, TS **VORW-DME** - HA 112.200 JBA CH 59 N33°52.63' E10°46.28' At ZARZIS.
33/(A)0°0.0'E **H-9D-10E, L-14F**

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DJIBOUTI AMBOULI, DJ **HDAM** MIL/CIV (MIL) N11°32.84' E43°09.57' 49

UTC+3 **L-20G**

RWY-09 L7,50,53

(10335x150 PEM PCN 70 F/C/W/U)

L7,50,53 **RWY-27**

←9607

UNK (197' OVRN)

UNK (197' OVRN)

SERVICE - AOE **LGT** - PAPI Rwy 09 GS 3.75°, Rwy 27 GS 2.08°. **FUEL** - A1 (Total Djibouti, Fone C253-35-0662) (NC-100LL)

REMARKS - **RSTD** - Camp Lemonier AS, PPR all mil acft. Req PPR thru Afld Ops DSN 318-824-2442 prim; ADACG DSN 318-824-4245 secd. Twy 25/mil ramp: T140 ST155. Ltd prk mil ramp. All hvy acft and acft larger than a C130 must prk civ ramp. Ctc HDAM gnd/twr prior to taxi to/fm mil ramp. Twy 15 clsd. Twy 25 50 ft wide, obst within 100 ft of edge. Use caution taxiing on 25/mil ramp due to poor lighting, poor cond twy lines, obst clnc, congestion, unctd veh tfc. Use caution taxiing civil ramp due vegetation/dropoffs within 5 ft of twy edges. 4 eng acft shutdown outboard eng. All aircrews must check classified NOTAMS prior to arr at <http://auab.aorcentaf.af.mil> (Horn of Africa). Adv Marine Gnd 236.3/124.9 of movement to/fm mil ramp. Inbd acft ctc Afld Ops 349.40/128.85 with ETA/load requests. All FPL must be filed at civil arpt briefing office. **CAUTION** - NAVAIDS-Aircrews are adv to be aware of lcl terrain, obst and ctl pro prior to entering Djiboutian airspace due to unreliability of NAVAIDS. Non-radar pro app ctl only. Lczt pro lmted to VFR cond only for all DOD aircrews. Aircrews must estab visual ctc with PAPI while exer extreme ctn on FNA btn DTI VOR and Rwy 09 thld dur daylight to avoid confusion with road in close proximity to Rwy 09-27. Bird haz. **MISC** - Issued PPR valid 1 hr +/- ETA, early/late arr/dep must be re-coord. Ltd FLIPS available. No COMSEC avail and ltd storage facilities. FW acft hi pwr eng runs prohibited on mil ramp. METOC avail 0400-1800Z. Call for WX brief DSN 318-824-2548.

COMMUNICATIONS - **APP** - 121.1 **TWR** - 122.1 **GND** - 118.1

A/G VOICE RDO - 7595 11300

NAVAIDS - **DJIBOUTI/AMBOULI VORW-DME** - HA 113.900 DTI CH 86 N11°32.93' E43°05.59' 091° 3.9 NM to Fld. 49/1°27.1'E **DJIBOUTI/AMBOULI TACAN** - HA ABI CH 93 N11°32.97' E43°09.28' At Fld. 49/1°26.5'E **DJIBOUTI/AMBOULI NDB** - HW 386.000 DJ N11°32.84' E43°10.78' 271° 1.2 NM to Fld. Unk/1°26.3'E **VHF/DF**

ILS/RADAR - **ILS**

DOHA AHP, KU **OK--OK41** MIL N29°22.10' E47°48.72' 42 UTC+3

SERVICE - **FUEL** - 24 hr PPR. J8. Cold refuel only. No refuel til 31 Dec 2005.

REMARKS - Opr 0400-2000Z, OT O/R. **RSTD** - Mil acft only. Clsd to F/W, CH-47 and CH-53 acft. 24 hr PPR for all tran acft. Ltd tran prk avbl. Ovft of Doha helipad, pwr plant and amusement prk unauthd. **CAUTION** - 100' lgt poles sur pad. Ints copter act. **NS** **ABTMT** - Acft may land/dep NW or SE only. **MISC** - For PPR call DSN 318-438-2555, Base OPS DSN 318-438-5987.

COMMUNICATIONS - **CTAF** - 137.85 **TWR** - 47.0 137.85 230.05

DOHA INTL, QA **OTBD** MIL/CIV N25°15.67' E51°33.90' 35 UTC+3 **H-14G, L-18F-20G**
RWY-16 L2,4,5,11,50 (15000x151 ASP PCN 60 F/A/X/T) L2,4,5,10,50 **RWY-34**
12540→

SERVICE - AOE **FUEL** - A1 (Qatar Jet Fuel Co fone C974-462-2477) **TRAN ALERT** - USMIL ramp has no hot cargo handling capability.

REMARKS - **RSTD** - Rpt LDA Rwy 34 12,375'. Tkof pt for Rwy 16 is fr int Twy A. All inbd acft will ctc Kingfish Nov on 272.55 (civ acft use 139.5) 30 min prior to ldg for current cond and prk info. All acft are rqr to call Kingfish Nov with arr time and taxi status and maint listening watch til eng shutdown. All outbd acft will call Kingfish Nov with dep time and maint listening watch on 272.55 for 30 min aft dep. Current painted lines are not to be followed. Changing taxi pat/prk spots-do not proceed onto ramp w flow-me veh. Pilots use min pwr on congested ramp. Pilots should exercise ctn; paying close attention to flow-me veh and pr instr. **CAUTION** - Hi tension cables 118' AGL 2 NM fr thld Rwy 34. Bldg 525' AMSL 2.7 NM on extn cntrln Rwy 34. Bird haz.

COMMUNICATIONS - **ATIS** - 126.45 **APP** - (R) (E) 121.1 119.4 **TWR** - (E) 118.9 118.65 **GND** - Opr 0400-1000Z Sat-Wed. 118.275 **KINGFISH NOVEMBER** - 139.5 272.55

NAVAIDS - **DOHA VORW-DME** - HA 112.400 DOH CH 71 N25°14.02' E51°34.63' 336° 1.8 NM to Fld. 48/(A)2°00.0'E MP 0400-0900Z 1st Wed.

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ILS/RADAR - ILS-DME 34

DOLSKO, SI **VORW-DME** - HA 112.700 DOL CH 74 N46°05.05' E14°46.71' 300° 15.8 NM to LJUBLJANA. 2047/(A)1°00.0'E **NDB** - MHW 328.000 KAM N46°06.30' E14°40.53' 306° 11.5 NM to LJUBLJANA. 1004/2°20.2'E **H-4E-7D, L-10E**

DOMERAT, FR **LFLT CIV** N46°21.15' E2°34.23' 771 UTC+1(+2DT) **L-8G**
RWY-11 (3281x98 ASP S13) **RWY-29**

REMARKS - Opr SR-SS. **RSTD** - Tkof Rwy 11 proh.

NAVAIDS - **MONTLUCON NDB** - HW 335.000 MC N46°22.36' E2°29.56' 110° 3.5 NM to Fld. 1049/0°48.0'W

DOMINGO, SP **DVORW-DME** - HA 112.600 DGO CH 73 N42°27.20' W2°52.84' 2126/(A)3°00.0'W **H-3A-16I, L-11B**

DONAUESCHINGEN VILLINGEN, GM **EDTD CIV** N47°58.40' E8°31.33' 2231 UTC+1(+2DT) **L-6G**
(B) **RWY-18** L5,9 (4232x98 ASP AUW12.5) L5,9,39 **RWY-36**
3937→

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700Z-SS, O/T PPR; (0600Z-SS or 1830Z, O/T PPR DT). **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/AG/IMG** - Avbl 0700Z++-SS, O/R 30 min PN. C0771-2585. Only for non-coml tfc w/o merchandise. 2hr PN for dep or arr from non-EUR countries. **RWY** - TODA Rwy 36 is 3937'. PPR for acft up to AUW26.4.

COMMUNICATIONS - **ZURICH INFO** - 120.7 **INFO** - 124.25 122.5 25NM 4000 ft. AGL.

NAVAIDS - **DONAUESCHINGEN DME** - T DON CH 42(Y) N47°57.64' E8°31.35' At Fld. 2212/0°50.1'E **DONAUESCHINGEN NDB** - MHW 490.000 DVI (025/10) N47°57.64' E8°31.36' At Fld. Unk/0°50.2'E **VHF/DF**

DONCASTER SHEFFIELD, (ROBIN HOOD) UK **EGCN CIV**
N53°28.48' W1°00.27' 55 UTC 0 **L-3C, H-5B**
(B) **RWY-02** L4,5,9,41,50 (9491x197 ASP PCN 63 R/B/W/T) L4,5,9,23,50 **RWY-20**
8777→ ←9210

SERVICE - **FUEL** - Avbl 0500-2359Z++.(NC A-1)

REMARKS - **CSTMS/IMG** - CSTMS avbl O/R.

COMMUNICATIONS - **ATIS** - 134.95 **APP** - 126.225 **TWR** - 128.775 **RDR** - Opr 0615-2200Z++ 126.225 129.05 **FIRE** - 121.6

NAVAIDS - **DONCASTER NDB** - MHW 338.000 FNY N53°28.49' W1°00.10' At Fld. Unk/2°56.5'W

ILS/RADAR - ➔**ILS** BRG 021° LCZR FNL 110.95 GS 3°. ➔**ILS** BRG 201° LCZR FNL 110.95 GS 3°.

DONEGAL, EI **EIDL CIV** N55°02.65' W8°20.46' 30 UTC 0(+1DT) **L-3B**
(B) **RWY-03** L4,5,38,50 (4908x98 BIT PCN 21 F/B/X/T) L4,5,38,50 **RWY-21**
4252→ ←4252

SERVICE - **LGT** - PAPI Rwy 03 GS 3.5° MEHT 45', PAPI Rwy 21 GS 3.5° MEHT 43'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-2030Z Mon-Fri; 1000-1700Z Sat, Sun; OT O/R. **CSTMS/IMG** - CSTMS avbl 24 hr PN.

COMMUNICATIONS - **ATIS** - 129.925 **TWR** - As for ATS 129.8 **GND** - As for ATS 129.8

NAVAIDS - **DONEGAL NDB** - MHW 361.000 CFN N55°02.64' W8°20.36' At Fld. Unk/6°26.2'W

ILS/RADAR - ➔**LOC-DME** - BRG 207° LCZR IFN 110.3 CH 40X

DONGOLA, SU **HSDN CIV** N19°09.23' E30°25.81' 773 UTC+3 **H-12H-14E, L-20F**
(B) **RWY-17** L6,12,50 (9843x148 ASP) L6,12,50 **RWY-35**

SERVICE - **FUEL** - (NC-A1)

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REMARKS - Opr 0400-1600Z, OT O/R to HSSS ACC. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - TWR - Opr SR-SS. 118.2

NAVAIDS - DONGOLA VOR-DME - HA 112.300 DOG CH 70 N19°10.95' E30°25.64' 175°
1.7 NM to Fld. 802/2°32.0'E

DONNA, DA **NDB** - HW 355.000 DON N55°28.48' E5°07.98' Unk/0°48.3'W Located on
off-shore oil rig. **L-3D**

DORI, UV **NDB** - HW 270.000 DD N14°02.04' W0°02.01' Unk/2°46.0'W Opr HS and O/R 24
hr to DFFDYDYX. **L-19B**

DORTMUND, (DORTMUND WICKEDE) GM **EDLW** CIV N51°31.10' E7°36.73' 425
UTC+1(+2DT) **H-6H, L-5B**
(B) **RWY-06** L2,3,5,9,39,50 (6562x148 ASP PCN 49 F/C/W/T) L2,3,5,9,39,50 **RWY-24**
5578→ ←5578

SERVICE - LGT - PAPI Rwy 06 MEHT 53', Rwy 24 MEHT 53'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0500-2100Z++. **NS ABTMT** - For non-coml acft up to 4409 lbs, prior to
0600Z++, btn 1130Z++ and 1330Z++, aft 1900Z++ Sat; prior to 0800Z++, btn 1130Z++
and 1330Z++, aft 1800Z++ Sun. Eng runs inside NS ABTMT cabin only. **CSTMS/IMG** -
Avbl 0600-2200Z++ Mon-Sun. (Cargo 0630-2000Z++ Mon-Fri).

COMMUNICATIONS - ATIS - Opr 0450-2050Z++. 125.125 **LANGEN RADAR** - 125.225
314.5 **TWR** - Opr 0550-2030Z++. 134.175 314.7 **GND** - 121.825
LANGEN INFO - 129.875

NAVAIDS - WICKEDE DVORW-DME - HA 108.650 DOR CH 23(Y) (025/10) N51°31.52'
E7°37.86' At Fld. 373/(A)0°00.0'E **DORTMUND DVORW-DME** - HA 112.700 DOM CH 74
(040/50) N51°42.57' E7°35.23' 175° 11.5 NM to Fld. 298/(A)0°00.0'E (80/50 292°-338°;
40/50 338°-111°; 60/50 111°-158°; 40/50 158°-292°) **DORTMUND NDB** - HW 357.000
DWI N51°31.57' E7°38.06' At Fld. 400/0°24.6'E

ILS/RADAR - →ILS - BRG 060° LCZR I-DWE 109.15 GS 3.0° **→ILS** - BRG 240° LCZR I-DWW
110.3 GS 3.0°

DOSHAN TAPPEH, IR **OIID** MIL N35°42.18' E51°28.51' 4046 UTC+3:30
H-13C, L-17B
RWY-04 (7550x148 ASP) **RWY-22**

SERVICE - FUEL - (NC-100LL, J4)

REMARKS - Opr 0300-1000Z. **RSTD** - PPR 24hr PN fr IRIAF. No jet acft.

COMMUNICATIONS - TWR - (V) 126.0 363.2

DOVER, UK **VORW-DME** - HA 114.950 DVR CH 96(Y) (080/50) N51°09.75' E1°21.55'
315/(A)3°00.0'W (200/50 in sctr 017°-077°) **H-6F, L-4H**

DRACHENBRONN ATCC, FR See FRANCE ACC

DRESDEN, (KLOTZSCHE) GM **EDDC** CIV N51°07.97' E13°46.03' 755 UTC+1(+2DT)
H-5E-6J, L-5D
(B) **RWY-04** L2,3,4,5,9,10,50 (8228x167 CON PCN 60 R/A/W/T) L2,4,5,9,11,50 **RWY-22**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - **RSTD** - All tfc exc sked: PPR 2300-0400Z++. **CAUTION** - Bird haz.

CSTMS/IMG - CSTMS avbl 0400-2300Z++. **MISC** - Ldg fees.

COMMUNICATIONS - ATIS - Opr 0350-2250Z++. 118.875 60NM/FL200

MUNCHEN RADAR - (R) (E) 125.625 264.925 **TWR - (E)** 119.7 122.925 241.925

GND - (E) 121.9 **MUNCHEN INFO - (E)** 125.8 372.225 **APRON - (E)** 121.75

NAVAIDS - DRESDEN DVORW-DME - HA 114.350 DRN CH 90(Y) (060/25) N51°00.93'
E13°35.93' 040° 9.5 NM to Fld. 1086/(A)2°00.0'E **DRESDEN DME** - T DND CH 101
(025/10) N51°07.77' E13°45.45' At Fld. 778/2°15.5'E
DND DME unuse 300°-345° blw 7500'

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ILS/RADAR - ➔**ILS** - BRG 040° LCZR IDRE 110.5 GS 3° ➔**ILS** - BRG 220° LCZR IDRW 109.7 GS 3°

DREWITZ, GM **NDB** - MHW 355.000 DRW N51°53.80' E14°33.75' 247° 1.2 NM to COTTBUS DREWITZ. 271/2°30.7'E **DME** - T CDD CH 57(Y) (040/10) N51°53.22' E14°31.92' At COTTBUS DREWITZ. 292/2°30.1'E **H-5E, L-5D**

DREZDENKO, PL **VORW-DME** - HA 115.300 DRE CH 100 N52°49.01' E15°49.95' 98/(A)1°00.0'E **NDB** - HW 440.000 DRE N52°50.18' E15°50.48' Unk/2°55.7'E **H-5E-8F, L-21A**

DRVENIK, HR **NDB** - MHW 418.000 DVN N43°26.80' E16°08.62' 051° 8.7 NM to SPLIT. 117/2°31.2'E **H-4E, L-12F**

DUBAI INTL, AE **OMDB** CIV N25°15.30' E55°21.86' 34 UTC+4 **H-14G, L-18G**
RWY-12L L2,3,4,5,9,11,50 (13124x197 ASP PCN 122 F/B/X/T) L2,3,4,5,9,11,50 **RWY-30R**
11812→
RWY-12R L2,3,4,5,9,11,50 (13124x151 ASP PCN 70 F/B/W/T) L2,3,4,5,9,11,50 **RWY-30L**
12730→ ←10171

SERVICE - AOE **FUEL** - A1 (EPPCO Avn, fone C971 4 224 5783) (NC-100LL)

REMARKS - **CAUTION** - Rwy 12R/30L clsd for const til 6 Mar 06 est. Consult dly NOTAMS.

COMMUNICATIONS - **ATIS** - 131.7 **ARR** - (R) (E) 124.9X **TWR** - (V) 118.75

GND - 118.35 118.85 **DEP** - (R) (E) 124.45

NAVAIDS - **DUBAI VORW-DME** - HA 115.700 DUB CH 104 N25°15.27' E55°21.94' At Fld. 37/(A)2°00.0'E MP VOR 0300-1000Z 1st and 3rd Wed, DME 0300-1000Z 2nd and 4th Wed.

ILS/RADAR - **ILS-DME** 30 ■ **RADAR** - (R)(E) ASR/PAR - Call DIRECTOR - 127.9 Opr O/R.

DUBENDORF, SZ **LSMD** MIL N47°23.92' E8°38.89' 1470 UTC+1(+2DT) **H-7C, L-9B**
RWY-11 L3,7,12,50 (7726x130 ASP) L3,7,12,50 **RWY-29**
J-BAR UNK (100' OVRN) HOOK UNK (1317') J-BAR UNK (1500')
J-BAR UNK (1500') HOOK UNK (1317') J-BAR UNK (100' OVRN)
RWY-11R L53 (2130x98 GR5) L53 **RWY-29L**

SERVICE - **LGT** - PAPI Rwy 11/29 GS 4.5°.

REMARKS - Opr 0630-1105Z++ and 1210-1605Z++ Mon-Fri, exc hol. PPR.

COMMUNICATIONS - **ARR** - (R) 134.925 140.7 143.775 249.8 336.3 376.8

TWR - 128.475 358.575 **DEP** - (R) 139.5 369.875 **RADAR** - (R) 139.5 369.875

INFO - 138.05 268.625

ILS/RADAR - ➔**ILS-DME** - BRG 287° LCZR IDU 111.15 CH 48(Y) GS 4.5°

DUBLIN ACC, EI **CON** - 124.65 129.175 136.05 136.15 **L-3B**

DUBLIN, EI **EIDW** CIV N53°25.28' W6°16.20' 242 UTC 0(+1DT) **H-3D-5A, L-3B**
(B) **RWY-10** L3,4,5,10,50 (8652x148 CON PCN 70 R/B/W/T) L3,4,5,10,50 **RWY-28**
RWY-11 L5,14,50 (4393x200 ASP PCN 26 R/D/W/T) L5,14,50 **RWY-29**
4114→
RWY-16 L5,11,50 (6798x200 ASP PCN 75 R/D/W/T) L5,12,50 **RWY-34**

SERVICE - AOE **LGT** - PAPI Rwy 11 GS 3.5°, MEHT 26'; PAPI Rwy 10 MEHT 66'; Rwy 28 MEHT 69'; Rwy 16 MEHT 62'; Rwy 34 MEHT 66'; Rwy 29 MEHT 43'. **FUEL** - A1 (AIR BP, aft hr fone C44-1-202-590-559) (NC-100LL avbl 0700-2300Z, OT by arrg.) **OIL** - O117-123-149-156

REMARKS - **RSTD** - PPR NORDO. **CAUTION** - LLZ Rwy 28, 108.9Mhz IDW, ctn advs due to Kerry ILS LLZ 108.9 Mhz IKR ocnl rcvd E of Dublin. Ensure ident to avoid inad capture of Kerry LLZ. Cranes vcnty afld .8NM S of Rwy 10 thld.

COMMUNICATIONS - **ATIS** - Opr 0615-2300Z++ 124.525 **APP** - (R) (V) 121.1 119.55 119.925 **TWR** - (V) 118.6 **GND** - Opr 0600-2400Z++ 121.8 **CLNC DEL** - Opr 0630-1930Z++, Ctc at least 15 min prior to start-up. 121.875 **FIS** - 118.5

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NAVAIDS - DUBLIN DVORW-DME - HA 111.200 DAP CH 49 (100/60) N53°25.42' W6°18.17' 103° 1.2 NM to Fld. 280/(A)6°00.0'W **DUBLIN DVORW-DME** - HA 114.900 DUB CH 96 (100/60) N53°29.96' W6°18.43' 170° 4.9 NM to Fld. 200/(A)6°00.0'W
BALDONNEL DVORW-DME - HA 115.800 BAL CH 105 N53°17.99' W6°26.87' 047° 9.7 NM to Fld. 300/5°09.7'W Due to rising terrain S of fac, signals may not be rcv at varying lo alt in sctr 130°-210° at ranges greater than 15 NM. **RUSH NDB** - MHW 326.000 RSH N53°30.71' W6°06.63' 232° 7.9 NM to Fld. Unk/5°04.0'W **GARRISTOWN NDB** - MHW 407.000 GAR N53°31.72' W6°26.85' 141° 9.1 NM to Fld. Unk/5°12.9'W
KILLINEY NDB - MHW 378.000 KLY N53°16.17' W6°06.39' 327° 10.9 NM to Fld. Unk/5°0.0'W Unrel byd 45NM blw 8000' btn 180°-270°. **GORMANSTON NDB-DME** - MHW 334.000 GMN CH 76 N53°38.89' W6°13.60' 192° 13.7 NM to Fld. 100/5°08.9'W
ILS/RADAR - ILS-DME 10, 16, 28 ■ **RADAR** - ASR - Call RADAR - (V) 129.175 136.05 136.15.

DUBOVE, LO **NDB** - HHW 310.000 DBV N48°51.48' E18°47.96' Unk/3°25.1'E
H-4E-6J, L-10F-22F

DUBROVNIK, HR **LDDU** CIV N42°33.68' E18°16.09' 527 UTC+1(+2DT) **H-15C, L-12F**
RWY-12 L5,9,38,50 (10827x148 ASP PCN 90 F/B/W/T) L5,9,38,50 **RWY-30**
10339→
SERVICE - AOE **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0530-2100Z++, OT 24 hr PN. **CAUTION** - Bird haz.
COMMUNICATIONS - **APP** - Opr H24. (R) (V) 123.6 **TWR** - Opr H24. 118.5
NAVAIDS - DUBROVNIK VORW-DME - HA 115.400 DBK CH 101 N42°33.23' E18°16.65' At Fld. 525/(A)2°00.0'E Calibrated only fr R-184 to R-303. **DUBROVNIK NDB** - MHW 397.000 CV N42°35.11' E18°12.76' 118° 2.8 NM to Fld. 88/2°50.4'E **DUBROVNIK NDB** - MHW 414.000 GR N42°32.44' E18°19.25' 294° 2.9 NM to Fld. 88/2°51.3'E
KOLOCEP NDB - HW 318.000 KLP N42°40.16' E18°01.25' 121° 12.7 NM to Fld. 76/2°48.7'E **VHF/DF**
ILS/RADAR - ILS

DUDINKA, RS **NDB** - HHW 700.000 BI N69°25.00' E86°14.00' Unk/19°54.0'E **T-2G**

DUNDEE, UK **EGPN** CIV N56°27.15' W3°01.55' 17 UTC 0(+1DT) **L-3C**
RWY-10 L5,11,50 (4593x98 ASP) L5,50 **RWY-28**
SERVICE - **LGT** - PAPI Rwy 28 GS 3.75° MEHT 41'. **FUEL** - (NC-100LL, A1) **OIL** - 0-123-125
REMARKS - Opr 0615-2200Z++ Mon-Fri; 0745-1700Z++ Sat; 0900-2100Z++ Sun; OT by arng. **RSTD** - NORDO PPR. **CAUTION** - Hi speed ovft at and abv 2000', ovft info fr Leuchars APP CON on 126.5. Bird haz. No ovft Ninewells Hosp 306° T at 1/2 NM.
CSTMS/IMG - Avbl PN req.
COMMUNICATIONS - **APP** - 122.9 **TWR** - 122.9
NAVAIDS - DUNDEE NDB - MHW 394.000 DND N56°27.30' W3°06.90' 099° 3.0 NM to Fld. Unk/4°26.2'W
ILS/RADAR - ILS-DME 10, **LOC-DME**

DUNKER, SW **DVORW** - HA 116.800 DKR (080/50) N59°12.43' E17°00.72'
Unk/(A)3°00.0'E **H-2G, L-2F**

DUNKESWELL, UK **EGTU** CIV N50°51.60' W3°14.08' 850 UTC 0(+1DT) **L-4F**
RWY-05 (3176x150 ASP) **RWY-23**
←2208
RWY-09 (CLSD 2845x150 ASP) **RWY-27**
RWY-17 (2113x65 ASP) **RWY-35**
SERVICE - **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0930-1700Z or SS+30 (0830-1700Z DT), O/T by arng. **CAUTION** - Prcht act blw FL 150.
COMMUNICATIONS - **RDO** - 123.475

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DURHAM TEES VALLEY AIRPORT, (TEESSIDE) UK EGNV CIV

N54°30.55' W1°25.76' 120 UTC 0(+1DT) **H-3D-5B, L-3C**
RWY-05 L4,5,24,50 (7516x151 ASP PCN 79 F/D/X/T) L4,5,33,50 **RWY-23**

SERVICE - AOE **JASU** - 1(E12) 1(A1) **FUEL** - (NC-100LL, A1) **OIL** - O-123

REMARKS - Opr 0600-2200Z++, OT by arng. **RSTD** - Rwy 01-19, 12,500 lb max acft wt.

COMMUNICATIONS - **ATIS** - 136.2 **APP** - (R) 118.85 **TWR** - 119.8

NAVAIDS - **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 051° LCZR I-TSE 108.5 CH 22 GS 3° ➔ **ILS-DME** - BRG 231°
LCZR I-TD 108.5 CH 22 GS 3° ➔ **LOC-DME** - BRG 051° LCZR I-TSE 108.5 CH 22 ■ **RADAR** -
GCA - Call DIRECTOR - 128.85

DUSSELDORF ACC, GM EDLL (CIV) See LANGEN ACC

DUSSELDORF, GM EDDL CIV N51°17.37' E6°46.01' 147 UTC+1(+2DT)

VFR, H-6H, L-5B
(B) **RWY-05L** L2,4,5,9,11,50 (8858x148 CON PCN 100 R/B/W/T) L2,3,4,5,9,11,50 **RWY-23R**
7874→ ←7874
RWY-05R L2,3,4,5,9,11,50 (9842x148 CON PCN 100 R/B/W/T) L2,3,4,5,9,11,50 **RWY-23L**
8858→ ←8858

SERVICE - AOE **LGT** - PAPI Rwy 05L MEHT 61', PAPI Rwy 23R MEHT 60', PAPI Rwy 05R
MEHT 64', PAPI Rwy 23L MEHT 63', **FUEL** - (NC- A1)

REMARKS - **RSTD** - No jet tkof/ldg 1800-0700Z++. Reverse thrust should not be used abv
idle btn 2100-0500Z++. IFR trng, test and check flt PPR by ATC, fone C0211-4154239. PPR
for acft req GAT handling btn 2100-0330Z, req before 2100Z, fone 0049-211-4217062 or
fax 4217063. **CAUTION** - Frangible mast 52' AGL 787' NW thld Rwy 23L. ABn displ 1800'
E abv twr bldg, 305' AGL. Multi cranes SE of apch end Rwy 05R to 287' AGL.

COMMUNICATIONS - **ATIS** - Opr 0500-2300Z++. 123.775 **REMARKS**: (115.15 DUS)

LANGEN RADAR - 128.55 133.775 275.8 372.825 (133.775 343.55 Opr SR-SS)

DIR - (R) (E) 119.4 **TWR** - (E) 118.3 378.35 **GND** - Opr 0545-2110Z++ 121.9

CLNC DEL - Opr 0445-2110Z++ 121.775 **LANGEN INFO** - 129.875 **DE ICING** - 135.225
122.125 121.6 122.125 **REMARKS**: State, "Dusseldorf de-icing, flt nr/call sign/acft type".

NAVAIDS - **DUSSELDORF VORW-DME** - HA 115.150 DUS CH 98(Y) (040/25) N51°16.99'
E6°45.22' At Fld. 151/(A)0°0.0'E VOR O/S til 31 Dec 06. DME opr. **VHF/UHF/DF**
DUS VOR unuse

260°-275° byd 10 NM blw 3500'
260°-275° byd 20 NM blw 6500'
260°-275° byd 30 NM blw 9500'
285°-340° byd 10 NM blw 3500'
285°-340° byd 20 NM blw 6500'
285°-340° byd 30 NM blw 9500'

ILS/RADAR - **ILS** SEE TERMINAL FLIP FOR ILS 05R, 23L DATA. ➔ **ILS** 05L - BRG 053° LCZR
IDNE 109.5 GS 3°. ➔ **ILS** 23R - BRG 233° LCZR IDNW 109.3 GS 3°.

DUTCH MIL, NL See NIEUW MILLIGEN MIL ACC/FIC/ATCC

DUXFORD, UK EGSU CIV N52°05.45' E0°07.92' 125 UTC 0(+1DT) L-4G

RWY-06 (4931x148 ASP) **RWY-24**

RWY-06L (2887x82 GRS) **RWY-24R**

SERVICE - **FUEL** - Avbl 1000-1600Z++, OT by arng. (NC-100LL, A1) **OIL** - 0-123-125

REMARKS - Opr 1000-1600Z (0900-1700Z sum). **RSTD** - PPR dur win. Rpt LDA Rwy 06
4009, Rwy 24 is 3999'. **RWY** - Rwy 24 fst 164' is unuse and mrkd with yellow chevrons.

COMMUNICATIONS - **INFO** - 122.075

DYCE, (ABERDEEN) UK EGPD CIV N57°12.12' W2°11.87' 215 UTC 0(+1DT) H-2E-5A, L-3C

RWY-05L7 (1893x151 CON) L7 **RWY-23**

RWY-14 (2165x75 ASP) **RWY-32**

RWY-16 L4,5,33,50 (6001x151 ASP PCN 56 F/B/X/T) L4,5,33,50 **RWY-34**

RWY-18 (853x75 ASP) **RWY-36**

SERVICE - AOE **LGT** - CHAPI Rwy 23 GS 6° **FUEL** - (NC-100LL avbl 0800-2000Z++ Mon-Fri,
0900-1600Z++ Sat and Sun, OT by arng.

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REMARKS - Opr 0610-2230Z++ OT PPR. **RSTD** - Rwy 18 not used. Rwy 5-23, 14-32 and 36 for copter use only. **CAUTION** - Both ends of Rwy 16-34 wid are twice that of associated edge lgt due to extra pavement on one side, pilots should ensure they are lined up correctly especially if tkof is at ngt or in low vis. Ints copter act.

COMMUNICATIONS - **ABERDEEN ATIS** - Opr 0610-2150Z++ Mon-Sun. 114.3 121.85
REMARKS: Airborne-ADN VOR 114.3; gnd use only 121.85 **ABERDEEN APP** - (R) 119.05
ABERDEEN TWR - 118.1 **ABERDEEN GND** - Opr 0630-1930Z++ Mon-Fri, OT HO. 121.7
ABERDEEN INFO - Opr 0700-2200Z++ Mon-Sun. 135.175

NAVAIDS - **ABERDEEN VORW-DME** - HA 114.300 ADN CH 90 (090/50) N57°18.63' W2°16.03' 166° 6.9 NM to Fld. 600/(A)5°00.0'W (200/50 in sctr 050°-140°)
ABERDEEN NDB - MHW 336.000 AQ N57°08.30' W2°24.28' 065° 7.8 NM to Fld. Unk/4°16.2'W **ABERDEEN/DYCE NDB** - MHW 348.000 ATF N57°04.65' W2°06.34' 343° 8.1 NM to Fld. Unk/4°07.3'W **VHF/DF**

ILS/RADAR - **ILS-DME** 16, 34 **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

EAST MIDLANDS, UK See NOTTINGHAM EAST MIDLANDS

EASTLEIGH, UK See SOUTHAMPTON

ECH CHELIFF, AG **DAOI MIL** N36°12.76' E1°19.91' 463 UTC+1 **H-9C-15A-161, L-13D**
RWY-07 (5413x98 ASP SWL59) **RWY-25**

REMARKS - Opr 0700-1600Z Sat-Wed. **RSTD** - Arpt clsd to public UFN.

COMMUNICATIONS - **TWR** - 119.0

ECHTERDINGEN AAF, GM See STUTTGART

E COMANI, IT See LATINA

EDINBURGH, UK **EGPH CIV** N55°57.00' W3°22.35' 135 UTC 0(+1DT)

H-2E-3D-5A, L-3C

RWY-06 L3,4,5,33,50	(8400x150 ASP PCN 74 R/C/W/T)	L3,4,5,33,50 RWY-24
7700→		←7700
RWY-08	(CLSD 2621x150 ASP)	RWY-26
RWY-12 L5,38,50	(5730x150 ASP PCN 31 F/C/X/T)	L5,11,50 RWY-30
		←5526

SERVICE - AOE **LGT** - PAPI Rwy 30 GS 3.5°. **JASU** - 1(A1) 1(C1) 1(E1) 1(E5) **FUEL** - Avbl 0530-2300Z++ OT by O/R. (NC-100LL A1) **FLUID** - LHOX **OIL** - O-117-123-148-149-156

REMARKS - **RSTD** - PPR 24 hr fr RAF Turnhouse movements or Edinburgh Arpt Ltd. PPR fr ATC for NORDO and UHF only acft. Dur lo vis pro Rwy 12-30 are not avbl for ldg. Mil jets, RADAR vectoring to ILS or ASR is mand. Mil acft must incl both EGPHZGZX (Civ) and EGQTYXYW (Turnhouse Mil) on FPL. Rwy 12-30 is not avbl at ngt, exc for emerg use. Rpt LDA Rwy 30 is 5728'. **CAUTION** - Bird haz. **NS ABTMT** - Reverse thrust/pitch proh fr 2300-0700Z++ unless in emerg. Use of aftburner permitted only for essential safety or opr reasons.

COMMUNICATIONS - **ATIS** - 131.35 **APP** - (R) 121.2 **TWR** - (V) 118.7 **GND** - 0630-2200Z++ Mon-Fri, 0700-2200Z++ Sat-Sun. 121.75

NAVAIDS - **EDINBURGH NDB** - MHW 341.000 EDN N55°58.70' W3°17.05' 245° 3.4 NM to Fld. Unk/4°24.3'W **EDINBURGH NDB** - MHW 368.000 UW N55°54.31' W3°30.15' 064° 5.1 NM to Fld. Unk/4°29.1'W **VHF/DF**

ILS/RADAR - **ILS-DME** 06, 24 ■ **RADAR** - ASR - Call RADAR - 121.2 (128.975 as asgn by ATC)

EDREMIT KORFEZ, TU LTFD CIV N39°33.28' E27°00.83' 50 UTC+2(+3DT)

H-15E, L-12H-15A

(B) RWY-05 L7A	(6824x98 CON PCN 50 R/D/Y/U)	L7 RWY-23
		←5840

REMARKS - Opr by NOTAM

COMMUNICATIONS - **TWR** - 119.7 362.3 **GND** - 121.9 **SAR** - 123.1 282.8

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NAVAIDS - EDREMIT VORW-DME - HA 109.400 EDR CH 31 N39°33.22' E27°00.50' At Fld.
50/3°50.9'E **EDREMIT NDB** - MHW 368.000 EDR N39°33.22' E27°00.50' At Fld.
50/3°50.9'E

EELDE, NL **EHGG** CIV N53°07.18' E6°34.77' 17 UTC+1(+2DT) **H-5C, L-5B**
RWY-01 L7 (4922x148 ASP PCN 55 F/A/X/T) L7 **RWY-19**
RWY-05 L4,5,9,12,50,54 (5906x148 ASP PCN 55 F/A/X/T) L4,5,9,11,54 **RWY-23**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0530-2200Z++ Mon-Fri; 0630-2030Z++ Sat, Sun, hol. **RSTD** - Mil transport
flt PPR, hosp flt exclud. **CSTMS/IMG** - Avbl HS.
COMMUNICATIONS - ATIS - 133.55 **APP** - Opr 0800-1800Z++ Mon-Fri **(R) (V)** 120.3
119.7 338.225 **TWR - (V)** 118.7 119.7 362.3 **GND/CLNC DEL** - 121.7
NAVAIDS - EELDE VORW-DME - HA 112.400 EEL CH 71 (060/50) N53°09.83' E6°40.00'
231° 4.1 NM to Fld. 32/(A)1°00.0'W (150/50 N and NE) **EELDE NDB** - MHW 330.000 SO
N53°12.92' E6°47.11' 234° 9.4 NM to Fld. 3/0°00.8'E
ILS/RADAR - ➔ILS - BRG 234° LCZR GG 109.9 GS 3° LMM GG 342

EFES, (SELCUK) TU **LTFB** CIV N37°57.04' E27°19.74' 10 UTC+2(+3DT) **H-15E, L-14H-15A**
(B) **RWY-09** L14,43,55 (5709x98 CON) L43,55 **RWY-27**
SERVICE - LGT - Due to rstd opr of arpt lgt, arpt auth rqr at least 5 hr PN for ngt flt.
REMARKS - Opr by NOTAM.
COMMUNICATIONS - TWR - 131.0
NAVAIDS - EFES NDB - MHW 424.000 SEL N37°56.97' E27°20.35' At Fld. 10/3°42.9'E

E FORLANINI, IT See LINATE

EGAL INTL, SO **HCMH** CIV N9°31.09' E44°05.33' 4423 UTC+3 **L-20G**
RWY-06 (8000x148 ASP AUW 77) **RWY-24**
SERVICE - FUEL - Avbl 0400-1400Z (NC-A1)
REMARKS - Opr 0330-1500Z. **CAUTION** - Excessive standing water on rwy and twy dur the
rainy seasons. Ctn while ldg, tkof and taxiing due to pools of stagnant water on the rwys
and twys during rainy season. Rwy sfc deteriorated, acft abv AUW 77 use Berbera arpt
UFN. Possible presence of large birds on or at the vcnty of the afld. **CSTMS/IMG** - Avbl.

EGELSBACH, GM **EDFE** CIV N49°57.65' E8°38.49' 385 UTC+1(+2DT) **L-6H**
(B) **RWY-09** L7,55 (4593x82 ASP AUW12.5) L7,50,55 **RWY-27**
RWY-09R (2198x98 GRS) **RWY-27L**
1804➔ **RWY-27L**
➔1574
SERVICE - LGT - PAPI Rwy 27 GS 4.5°. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0700Z-SS, O/T PPR; (0600Z-SS or 1900Z, O/T PPR sum). **RSTD** - Jet acft
proh exc Ceesna 500 or comparable low-noise acft. **CAUTION** - Day/ngt lit obst on apch
Rwy 27L and Rwy 27R. **NS ABTMT** - Ovft of residential areas proh. **CSTMS/IMG** - Avbl.
MISC - Ctc INFO 5 min prior to rpt pnts. Afld lctd in Frankfurt VFR rstd area. Copters lnd
asp rwy aft SS+30. **RWY** - Rwy 09 TORA 3825', Rwy 09R TORA1804', Rwy 27L TORA
1574'.
COMMUNICATIONS - LANGEN INFO - (R) (E) 118.775 119.15 (118.775 day)(119.15 ngt)
APRON - 121.725 **INFO** - 130.9 25 NM 4000 ft AGL
NAVAIDS - EGELSBACH NDB - MHW 386.000 EH N49°57.60' E8°38.56' At Fld.
Unk/0°47.9'E **VHF/DF**

EGGENFELDEN, GM **EDME** CIV N48°23.77' E12°43.42' 1342 UTC+1(+2DT) **L-6I**
(B) **RWY-09** L5,9,50 (3806x75 ASP PCN 46 R/A/W/T) L5,9,39,50 **RWY-27**
3675➔ **RWY-27**
➔3609
SERVICE - FUEL - (NC-100LL, A1)

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REMARKS - Opr 0800Z++-SS (not later than 1700Z DT), OT PPR min 3hr PN before closing. PPR Rescue units call (08725) 910221. **CAUTION** - Crane 1148' N thld Rwy 27, 110' AGL, black/orange, unlgtd. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/IMG** - Avbl dur operating hr for non-coml non-sked wo merchandise.

COMMUNICATIONS - **ATIS** - 125.075 **MUNCHEN INFO** - 120.65 **INFO** - 120.3 25NM 4000 ft. AGL.

NAVAIDS - **EGGENFELDEN DME** - T END CH 101 N48°23.66' E12°43.52' At Fld.
1381/1°56.1'E **EGGENFELDEN NDB** - MHW 393.000 EGG N48°23.82' E12°44.99' At Fld.
1329/1°56.5'E **VHF/DF**
EGG NDB unuse 160°-185° btn 15NM - 20NM blw 5500'
160°-185° btn 20NM - 25NM blw 7000'

EGILSSTADIR, IC **BIEG** CIV N65°17.00' W14°24.08' 76 UTC 0 **H-1B, L-1B**
RWY-04 L5,9,50 (6562x148 ASP PCN 28 F/A/X/T) L5,50 **RWY-22**
6060→

SERVICE - **FUEL** - Avbl 0900-1800Z, hol PN. (NC-100LL, A1) **FLUID** - De-Ice O/R.

REMARKS - **CSTMS/IMG** - Avbl O/R. **MISC** - 197' x 197' asp turning area N end.

COMMUNICATIONS - **REYKJAVIK ACC** - 119.7 **RDO** - 119.4

NAVAIDS - **EGILSSTADIR NDB** - HW 365.000 ES N65°14.31' W14°27.12' 025° 3.0 NM to Fld. Unk/13°17.6'W **BREIDAVAD NDB** - MHW 382.000 BR N65°19.97' W14°22.35' 208° 3.1 NM to Fld. Unk/13°17.2'W **VAD NDB** - MHW 335.000 VA N65°06.57' W14°35.77' 025° 11.6 NM to Fld. Unk/13°19.4'W Unrel in sctr 090°-190°

ILS/RADAR - **ILS**

EILAT, (J HOZMAN) IS **LLET** MIL/CIV (CIV) N29°33.68' E34°57.60' 42 UTC+2(+3DT)
H-14E-16G, L-16F
(B) **RWY-03** L5,50 (6234x89 ASP PCN 40 F/B/X/U) L5,50 **RWY-21**
5289→

SERVICE - **LGT** - PAPI Rwy 03 rgt side only. **FUEL** - Avbl 0400-2130Z++ Sun-Thu, 0400-1600Z++ Fri and hol eves, 1230-1930Z++ Sat and hol. (NC-100LL, A1)

REMARKS - **RSTD** - Jet opr proh 1930-0500Z++. MTOW rstd to 209,437 lbs. **RWY** - B737/757 (ICAO cl codes 4C/4D) and in no case heavier than B757-300 or similar cl acft are rstd as follows: Rwy 03, Wet - no ldg/tkof permitted. Dry - no ldg/tkof permitted whenever crosswind exceeds 15 kts. Rwy 21, no ldg/tkof permitted.

COMMUNICATIONS - **INFO** - 132.55 **TWR** - (V) 121.8 119.0

NAVAIDS - **EILOT VORW-DME** - HA 112.000 LOT CH 57 N29°36.47' E34°58.53' 193° 2.9 NM to Fld. 200/(A)2°00.0'E **VHF/DF**

ILS/RADAR - **→LOC-DME** - BRG 026° LCZR EL 109.7 CH 34

EILOT, IS **VORW-DME** - HA 112.000 LOT CH 57 N29°36.47' E34°58.53' 193° 2.9 NM to EILAT. 200/(A)2°00.0'E **H-14E-16G, L-16F**

EINDHOVEN, NL **EHEH** MIL (CIV) N51°27.01' E5°22.47' 74 UTC+1(+2DT)
H-6G, L-5A
RWY-04 L4,5,41,50 (9843x148 ASP PCN 60 F/A/W/T) L4,5,24,50 **RWY-22**
9022→ ←9022
BAK-14 44B-4H(B) (1726') BAK-14 44B-4H(B) (1966')

SERVICE - **AOE** **A-GEAR** - RAG avbl on 20min PN. **JASU** - 1(DSA 150) 1(ST-56) **FUEL** - A1+ **OIL** - 0-147-148-156

REMARKS - Mil opr 0700-1545Z++ Mon-Fri. **RSTD** - PPR for F/W acft. Fone: C31-040-2506911, fax: C31-040-2506466. 24 hr PPR for Non-Sked tfc. Sat, Sun and hol req must be made before 1600Z++ on the last working day preceding. Fone: C31-40-291-9823, fax: C31-40-291-9833. **CAUTION** - Gldr act dly SR-SS. **RWY** - Rpt LDA Rwy 04-22 9022'.

COMMUNICATIONS - **ATIS** - Opr HO 126.025 **APP** - (R) (E) 123.175 122.1 379.925 **DIRECTOR** - Opr 0545-2145Z++ Mon-Fri. (R) (E) 124.525 122.1 344.775 **TWR** - Opr 0545-2145Z++ Mon-Fri; 0700-1900Z++ Sat; 0900-2100Z++ Sun, hol. (E) 131.0 122.1 281.15 257.8 **GND** - Opr 0545-2145Z++ Mon-Fri. 121.925 369.25 (372.5 Opr HO)

AIRPORT/FACILITY DIRECTORY B-137

NAVAIDS - EINDHOVEN TACAN - HA EHV CH 119 (040/25) N51°26.88' E5°22.50' At Fld.
81/(A)2°0.0'W **EINDHOVEN NDB** - MHW 397.000 EHN N51°28.07' E5°23.70' 217°
1.3 NM to Fld. 59/0°19.3'W

ILS/RADAR - ➔ **ILS-DME** - BRG 036° LCZR EHZ 109.75 CH 34Y GS 3°. ➔ **ILS-DME** - BRG 216°
LCZR EHO 109.75 CH 34Y GS 3°. ■ **RADAR** - ASR - Call Director - (E) 122.1 124.525 344.775
344.0 PAR - Call Final -(E) 122.1 122.45 123.3 371.325 344.775 369.875 385.4

EISENACH KINDEL, (HAINA) GM **EDGE** CIV N50°59.57' E10°28.36' 1101
UTC+1(+2DT) **H-6I, L-5C**

(B) **RWY-10** L7,50,55 (5643x180 CON AUW44) L7,50,55 **RWY-28**
←4921

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0700Z-SS+30 Mon-Fri; 0800Z-SS+30 Sat, Sun and hol; O/T PPR
(0600-1800Z Mon-Fri; 0700-1800Z Sat, Sun and hol; O/T PPR DT). **CSTMS/AG/IMG** - Opr
24 hr PPR. **MISC** - Gldr act.

COMMUNICATIONS - BERLIN INFO - 125.8 **INFO** - 119.75

EISENHUTTENSTADT, GM **EDAE** CIV N52°11.84' E14°35.14' 149 UTC+1(+2DT)
L-5E

(B) **RWY-11** L7,20 (3839x75 ASP) L7,20,50 **RWY-29**
←3675

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr 0800Z-SS+30, OT O/R (0700-1700Z, OT O/R DT). **CSTMS/IMG** - CSTMS
avbl.

COMMUNICATIONS - BERLIN INFO - 132.65 251.375 **INFO** - 122.0 15NM TO 3000 ft
AGL

NAVAIDS - VHF/DF

EL ALTET, SP See ALICANTE

EL ARISH INTL, EG **HEAR** CIV N31°04.40' E33°50.15' 121 UTC+2(+3DT)
H-13A-16G, L-16F

(B) **RWY-16** L12,50,55 (9905x148 ASP PCN 55 F/B/W/U) L12,50,55 **RWY-34**

SERVICE - FUEL - (NC-100LL, A1)

COMMUNICATIONS - RDO - 5790 3175 **RADAR** - Opr 0600-1800Z. 123.725 125.0
TWR - (V) 121.0 **GND** - 121.9

NAVAIDS - EL ARISH VORW-DME - HA 113.600 ARH CH 83 N31°04.38' E33°49.91' At Fld.
140/(A)3°00.0'E

EL AROUI, (NADOR EL AROUI) MO **GMMW** CIV N34°59.33' W3°01.69' 574 UTC 0
H-9B-16H, L-13C

RWY-08 L5,33,50 (9842x148 ASP PCN 85 F/A/W/T) L5 **RWY-26**

SERVICE - FUEL - (NC-A1)

REMARKS - CSTMS/IMG - Avbl.

COMMUNICATIONS - TWR - 118.65 136.2

NAVAIDS - NADOR ARWI VORW-DME - HA 116.000 ARI CH 107 N34°59.20' W3°01.75'
At Fld. 574/1°52.1'W **EL AROUI NDB** - HHW 355.000 ARW N34°59.38' W3°02.65' At Fld.
588/1°50.0'W

ELAZIG, TU **LTCA** MIL/CIV N38°36.42' E39°17.49' 2927 UTC+2(+3DT) **H-13A, L-15C**
(B) **RWY-13** L2,7,13,43 (5643x105 ASP PCN 76 F/A/W/T) L7,13,43 **RWY-31**

SERVICE - FUEL - (NC-A1,J8)

REMARKS - Opr by NOTAM.

COMMUNICATIONS - APP - Opr SR-SS. 118.1 257.8 386.525 **TWR** - Opr SR-SS. (V) 118.1
257.8 386.525

B-138 AIRPORT/FACILITY DIRECTORY

NAVAIDS - ELAZIG VORW-DME - HA 114.700 EZS CH 94 N38°42.42' E39°13.47' 148°
6.8 NM to Fld. 4875/(A)3°00.0'E **ELAZIG NDB** - HHW 338.000 EZS N38°36.39'
E39°17.93' At Fld. 2963/4°46.6'E

ELBA, IT VORTACW - HA 114.700 ELB CH 94 (200/60) N42°43.84' E10°23.74'
1388/(A)0°0.0'E No aux pwr. MP VOR 0700-0800Z++ 1st Tue; VORTAC 1300-1400Z++ 3rd
Tue. **NDB** - MHW 360.000 ELB N42°43.95' E10°23.63' Unk/1°21.3'E MP 0700-1000Z++
2nd Tue. ELB NDB O/S til 30 Sep 04 est.
ELB VORTAC MRA 030°-090° 5000' at 40 NM
090°-220° 4500' at 40 NM
320°-030° 4500' at 40 NM
220°-260° 4500' at 25 NM
260°-300° 5500' at 25 NM
300°-320° 4500' at 25 NM
100°-220° 3000'
220°-320° 3000'
320°-350° 3000'
350°-100° 13,000'
ELB NDB MRA at 50 NM
H-15B, L-12E

EL BAYADH, AG VORW - HA 114.800 BAY (150/40) N33°42.32' E0°57.02'
Unk/0°46.0'W **NDB** - HW 284.000 BAY (100/17) N33°42.47' E0°57.08' Unk/0°46.0'W
H-9C, L-13D

ELBE, GM VORW-DME - HA 115.100 LBE CH 98 (060/50) N53°39.25' E9°35.70'
50/(A)1°00.0'E (80/50 135° -248° ;60/50 248° -135°) **H-5D, L-5C, T-2E**

EL BEIDA, (LABRAQ) LY HLLQ MIL/CIV N32°47.32' E21°57.86' 2157 UTC+2
H-10G-15D, L-14G
RWY-03 (6214x190 ASP) RWY-21
RWY-10 (11824x148 ASP) RWY-28
REMARKS - Opr 0600-1500Z, OT O/R 24 hr.
COMMUNICATIONS - BENGHAZI APP - (V) 126.5 129.2 TWR - 118.1
NAVAIDS - LABRAQ NDB - HHW 392.000 LAB N32°47.22' E21°57.95' At Fld.
2157/2°39.8'E

EL BORMA, TS DTTR CIV (CIV) N31°42.26' E9°15.28' 827 UTC+1(+2DT) H-9D, L-14E
RWY-11 (8958x148 ASP S83 T116 TT194) RWY-29
NAVAIDS - EL BORMA VORW - L 113.800 EBA N31°42.35' E9°15.28' At Fld. 827/0°49.7'E
EL BORMA NDB - HW 405.000 BMA N31°42.38' E9°14.10' At Fld. Unk/0°49.6'E 2.3NM to
Fld. Avbl O/R to TUNIS ACC/FIC 30 min prior to ETA.

EL COPERO, SP NDB - MHW 327.000 EEC N37°18.93' W6°00.08' Unk/2°50.6'W
L-11A, 13C

EL DABA, EG VORW-DME - HA 115.700 DBA CH 104 N31°00.68' E28°28.02' 180°
5.2 NM to AL ALAMAIN INTL. 110/(A)3°00.0'E **H-10H-16F, L-16E**

ELEFSIS, GR LGEL MIL N38°03.83' E23°33.36' 143 UTC+2(+3DT)
H-15D, L-12H-14H, T-2E
(B) RWY-18 L5,12 (8985x131 ASP) L5,37,50 RWY-36
←8787

←NET BEFAB (150' OVRN)
SERVICE - LGT - PAPI Rwy 36 GS 2.75° for mil use only. FUEL - (NC 115, A1, J4) FLUID -
De-Ice OX
REMARKS - Opr SR-SS, OT 10 min PN. RSTD - Ngt Idg Rwy 18 proh. CSTMS/IMG - Avbl
24 hr with 2 hr PN. MISC - Gnd svc avbl to 1 acft at a time.
COMMUNICATIONS - ATHINAI APP - (R) (V) 119.1 129.55 299.5 TWR - (E) 120.15 122.1
257.8 362.3

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NAVAIDS - ELEFSIS TACAN - T ELF CH 19 (100/25) N38°03.91' E23°33.53' At Fld.
143/3°16.4'E Opr SR-SS. **ELEFSIS NDB** - MHW 418.000 ELF N38°03.93' E23°33.60'
At Fld. 143/3°16.4'E Opr SR-SS, OT 10 min PN. **UHF/DF**
ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

ELEFThERIOS VENIZELOS INTL, GR **LGAV** CIV N37°56.18' E23°56.67'
308 UTC+2(+3DT) **H-15D, L-12H-14H, T-2E**

(B) **RWY-03L** L3,4,5,10,50 (12467x148 ASP PCN 64 F/B/W/T) L3,4,5,10,50 **RWY-21R**
11483→ ←11483
RWY-03R L3,4,5,10,50 (13123x148 ASP PCN 64 F/B/W/T) L3,4,5,10,50 **RWY-21L**
12139→ ←12139

SERVICE - AOE **FUEL** - A1 (EKO Alda Abee/Sparta Arpt Fueling Co. fone
C301-354-1002/3)(NC-100LL)

REMARKS - **RSTD** - PPR, afct rqr SLOT TIME fr Airport Slot Coordinator, fone
C(210)9267213, fax (210)9267166, e-mail: slot-coord@olympic-airways.gr. **NS ABTMT** -
See FLIP Planning AP/2. **MISC** - WIP Use Caution: some portions of afd closed.

COMMUNICATIONS - **ATIS** - 136.125 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989
Opr 1700-0400Z++) **ATHINAI APP** - (V) 126.575 124.025 131.175 316.9 (316.9 MIL)
ATHINAI DIR - 121.4 **ATHINAI ARR** - 132.975 126.575 316.9 (132.975 West) (126.575
East) (316.9 Mil) **TWR** - (E) 136.275 118.625 278.7 (136.275 Rwy 03L/21R)(118.625 Rwy
03R/21L)(370.025 both rwy) **GND** - 121.75 121.8 121.9 121.95 297.2
ATHINAI DEP - 128.95 299.5 (299.5 Mil) **CLNC DEL** - 118.675 280.55
ATHINAI VOLMET - 127.8 **INFO** - 136.025 278.7

NAVAIDS - **ELEFThERIOS VENIZELOS VORW-DME** - T 117.500 SPA CH 122 (040/25)
N37°55.07' E23°56.27' 016° 1.2 NM to Fld. 303/3°18.5'E
ELEFThERIOS VENIZELOS VORW-DME - T 109.600 SAT CH 33 (040/25) N37°55.00'
E23°54.85' 051° 1.9 NM to Fld. 255/3°18.3'E

ILS/RADAR - **ILS**

ELESMEs, FR **LFOJ** CIV N50°18.63' E4°01.99' 452 UTC+1(+2DT) **L-4H-5A-7D**
RWY-05 (4265x98 ASP S32) **RWY-23**

SERVICE - **FUEL** - Fuel reserved for arpt based acft. (NC-100LL)

REMARKS - Opr HX. **CAUTION** - Pilot trng, prcht and gldr act.

EL FASHIR, SU **HSFS** CIV N13°36.89' E25°19.48' 2393 UTC+3 **L-20E**
RWY-05 L7,A,50 (9744x148 ASP) L7,A,50 **RWY-23**
RWY-18 (5010x148 GVL) **RWY-36**

SERVICE - **FUEL** - (NC-A1)

REMARKS - Opr 0400-1600Z. **CSTMS/IMG** - Cstms avbl O/R.

COMMUNICATIONS - **TWR/APP** - Opr SR-SS. 127.3

NAVAIDS - **EL FASHIR VORW-DME** - HA 115.000 FSR CH 97 N13°36.63' E25°19.76' At Fld.
2412/1°39.5'E **EL FASHIR NDB** - HHW 394.000 FSR N13°37.46' E25°19.58' At Fld.
Unk/1°39.6'E

EL GOLEA, AG **DAUE** CIV N30°34.28' E2°51.58' 1306 UTC+1 **H-9C, L-13D**
(B) **RWY-10** (5906x148 ASP SWL 59) **RWY-28**
RWY-18 (9843x148 ASP SWL 59) **RWY-36**

SERVICE - **FUEL** - (NC-A1)

REMARKS - Opr 0600-1800Z. **MISC** - Ldg fees.

COMMUNICATIONS - **RDO** - 8894 **TWR** - 119.7

NAVAIDS - **EL GOLEA VORW-DME** - HA 112.100 MNA CH 58 (200/40) N30°33.52'
E2°51.70' At Fld. 1306/(A)4°0.0'W **EL GOLEA NDB** - HW 375.000 MEA (100/18)
N30°33.82' E2°53.70' 284° 1.9 NM to Fld. Unk/0°24.0'W

EL GONA, EG **HEGO** PVT N27°22.01' E33°40.09' 56 UTC+2(+3DT) **H-14E, L-16F-20F**
RWY-16L6 (5249x98 ASP) L6 **RWY-34**

REMARKS - Opr O/R.

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COMMUNICATIONS - RDO - 119.05 120.7

EL GORA, EG **HEGR** CIV N31°04.14' E34°07.75' 324 UTC+2(+3DT) **H-13A-16G, L-16F**
RWY-08 (7874x98 ASP PCN 48 F/B/W/U) **RWY-26**
RWY-17 (CLSD 7874x148 ASP PCN 18 F/B/W/U) **RWY-35**
REMARKS - Opr SR-SS. **CAUTION** - WIP.
COMMUNICATIONS - RDO - 5790 3175 (3175 sby) **TWR** - 118.2

EL KHARGA, EG **HEKG** CIV N25°28.42' E30°35.44' 192 UTC+2(+3DT)
H-12H-14E, L-20F
(B) **RWY-18** L5,12,50,54 (11483x148 ASP PCN 40 F/C/X/U) L5,11,50,54 **RWY-36**
REMARKS - Opr SR-SS and O/R.
COMMUNICATIONS - RDO - 5859 2562 (2562 sby) **TWR** - 122.8
NAVAIDS - **EL KHARGA VORW-DME** - HA 113.800 KHG CH 85 N25°26.90' E30°35.45'
358° 1.5 NM to Fld. 137/(A)2°00.0'E

ELLIDAVATN, IC **NDB** - HHW 335.000 EL N64°04.87' W21°46.25' Unk/17°00.2'W
H-1A, L-1A

EL MAOU, TS See THYNA

ELMAS, (CAGLIARI ELMAS) IT **LIEE** MIL/CIV N39°15.09' E9°03.26' 13 UTC+1(+2DT)
H-15B, L-11D-12E
(B) **RWY-15** L5,9,50 (9196x148 ASP PCN 50 F/A/W/T) L5,9,33,50 **RWY-32**
SERVICE - AOE **LGT** - PAPI Rwy 14 MEHT 46', Rwy 32 MEHT 52'. **JASU** - 1(U-1000)
FUEL - J8(Mil) reful svc avbl 0630-1430Z++ Mon-Thu, 0630-1200Z++ Fri, OT 48 hr PN. A1,
(Eni S.p.A. avbl 0500-2200Z++, OT 24 hr PN \$100 ea occurrence, C+39-070-240060).
(NC-100LL avbl 0700-1000Z++ and 1300-1500Z++ Wed-Sun, OT O/R 3 hr PN plus fee).
OIL - O-117-128-147-148-149
REMARKS - **RSTD** - Ldg, prk in mil area for mil acft avbl with PPR 48 hr PN C+39
070-2102428. Prk in civ area for mil acft avbl by civ tfc office C+39 070-240047.
CAUTION - Bird act, ocnl dogs on rwy. **RWY** - Rwy 14/32 PCN: fr thld Rwy 32 to 2625',
PCN 88 F/A/W/T; fr 2625' to 5906', PCN 110 F/A/W/T; fr 5906' to end Rwy 32, PCN 50
F/A/W/T. Rwy 14 LDA 8704' UFN.

COMMUNICATIONS - **CAGLIARI APP** - (E) 118.75 118.4 344.0 362.3 389.225
TWR - (E) 120.6 122.1 257.8 280.6 **GND** - 121.6 **SAR** - (V) 123.1
NAVAIDS - **CAGLIARI VORW-DME** - L 113.400 CAG CH 81 (025/40) N39°14.94' E9°03.24'
At Fld. 13/1°02.8'E (60/40 340°-020°) MP 0900-1100Z++ 1st Tue **CAGLIARI NDB/LOM** -
MHW 371.000 CAG N39°12.88' E9°05.85' 317° 3.0 NM to Fld. Unk/1°03.3'E MP
0900-1100Z++ 1st Mon
CAG VOR-DME MRA within 25 360°-015° 7000'
NM 015°-110° 12,000'
110°-165° 4000'
165°-275° 12,000'
275°-315° 8000'
315°-360° 5500'
CAG NDB MRA 25 NM 110°-190° 1500'
190°-110° 6000'
CAG NDB MRA byd 10 NM 190°-130° 6000'
ILS/RADAR - **ILS ■ RADAR** - Call Cagliari Director - (E) 118.75 118.4 123.3 358.6 362.3. MP
0900-1100Z++ Tue.

EL OBEID, SU **H SOB** CIV N13°09.19' E30°13.96' 1927 UTC+3 **L-20F**
RWY-01 L6,12 (9843x148 ASP) L6,12 **RWY-19**
SERVICE - **FUEL** - (NC-A1).
REMARKS - **CSTMS/IMG** - Avbl O/R.
COMMUNICATIONS - **TWR/APP** - 118.5

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NAVAIDS - EL OBEID VORW-DME - HA 115.800 OBD CH 105 N13°08.86' E30°14.01'
At Fld. 1942/2°06.4'E **EL OBEID NDB** - HW 279.000 OBD N13°09.40' E30°14.33' At Fld.
Unk/2°06.5'E

EL OUED, AG See GUEMAR

EL PRAT, SP **DVORW-DME** - HA 114.300 PRA CH 90 N41°16.99' E2°04.91'
At BARCELONA. 43/0°36.7'W
PRA DVORW-DME unuse 255°-030° blw 3000'
H-15A, L-11C

EL TIETAR, (LA IGLESUELA) SP **LETI** PVT N40°14.63' W4°47.67' 1401 UTC+1(+2DT)
L-11B

RWY-05 (3280x49 ASP)
RWY-05L (1969x197 GRE)

RWY-23
RWY-23R

REMARKS - Opr HX. **RSTD** - Emerg use only.

COMMUNICATIONS - **TWR** - 123.5

EL TOR, EG **HETR** CIV N28°12.54' E33°38.73' 115 UTC+2(+3DT) **H-16G, 14E, L-20F, 16F**
RWY-10 L5,12,50 (9843x148 ASP PCN 65 F/A/W/U) L5,11,50 **RWY-28**

REMARKS - Opr SR-SS. **RSTD** - Domestic tfc only.

COMMUNICATIONS - **RDO** - 5790 3175 (3175 sby) **TWR** - (V) 121.3 **GND** - 121.9

EMDEN, GM **EDWE** CIV N53°23.47' E7°13.64' 2 UTC+1(+2DT) **L-5B**
(B) **RWY-07** L2,5,9,34,50 (4265x98 ASP AUW12) L2,5,9,34,50 **RWY-25**
3609→ ←3937

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700Z-SS+30 or 1630Z Mon-Fri, 0800-1600Z Sat, Sun and hol, (0515-1700Z dly, DT), OT PPR.

COMMUNICATIONS - **WITTMUND/JEVER RADAR** - 123.6 **INFO** - 118.6

BREMEN RADAR - 124.65 **BREMEN INFO** - 125.1

NAVAIDS - **EMDEN DME** - L ENW CH 99(Y) N53°23.35' E7°13.75' At Fld. 50/0°09.3'E

EMDEN NDB - MHW 345.000 EMD N53°23.63' E7°14.50' At Fld. Unk/0°09.5'E **VHF/DF**

EMMABODA, SW **ESMA** CIV N56°36.65' E15°36.29' 442 UTC+1(+2DT) **L-2F**
RWY-01 (4265x98 ASP) **RWY-19**
2132→

REMARKS - **RSTD** - PPR wkend only, fone C+46 (0)70 233 97 69 or C+46 (0)70 533 83 10.

CAUTION - Used as road tfc practice area wknd.

COMMUNICATIONS - **RDO** - 123.15

EMMEN, (LUZERN) SZ **LSME** MIL N47°05.54' E8°18.31' 1400 UTC+1(+2DT) **H-7C, L-9B**
RWY-04 L3,5,34,50 (8208x130 ASP) L3,5,34,50 **RWY-22**
7845→ ←7612

←J-BAR UNK (92' OVRN) HOOK UNK(B) (1268')

HOOK UNK(B) (1858') J-BAR UNK (92' OVRN) →

SERVICE - **LGT** - PAPI Rwy 04 GS 4.5°, PAPI Rwy 22 GS 4.0°.

REMARKS - Opr 0630-1105Z++, 1215-1605Z++ Mon-Fri; exc hol. **RSTD** - PPR.

COMMUNICATIONS - **APP** - (R) 140.775 **ARR/DEP** - (R) 119.5 148.025 143.775 249.8
336.525 360.525 369.925 **TWR** - 120.425 338.85 **INFO** - 138.05 268.625

ILS/RADAR - → **ILS-DME** - BRG 218 LCZR IEM 110.35 CH 40 GS 4.0°.

ENGE, NO **NDB** - MHW 396.000 YG N59°22.13' E10°49.77' 293° 1.5 NM to RYGGE.
Unk/1°16.1'E **L-2F**

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ENNIS, EI **NDB** - MHW 352.000 ENS N52°54.31' W8°55.67' 180° 12.2 NM to SHANNON.
Unk/6°08.0'W **H-3D, L-3B**

ENNISKILLEN, UK See STANGELO

ENOCH THULINS, SW See LANDSKRONA

ENODAK, FI **VORW-DME** - HA 117.100 ENO CH 118 N68°22.88' E23°27.71' 209° 1.4 NM to ENONTEKIO. 1127/(A)7°00.0'E **H-1C, L-1D**

ENONTEKIO, FI **EFET** CIV N68°21.76' E23°25.46' 1005 UTC+2(+3DT) **H-1C, L-1D**
RWY-03 L5,38,50 (6565x148 ASP PCN 50 F/A/X/T) L5,39,50 **RWY-21**

SERVICE - LGT - PAPI Rwy 21 GS 3.5°. **FUEL** - (NC-100LL avbl dur AFIS hr with 1 hr PN, A1 3 hr PN) **FLUID** - De-Ice avbl O/R.

REMARKS - Opr HO. **CSTMS/IMG** - CSTMS avbl PPR, IMG avbl HO. **MISC** - Ldg fees.

COMMUNICATIONS - **ATIS** - Opr H24. 134.825 **AFIS** - (V) 122.45 119.7

NAVAIDS - **ENODAK VORW-DME** - HA 117.100 ENO CH 118 N68°22.88' E23°27.71' 209° 1.4 NM to Fld. 1127/(A)7°00.0'E **HETTA NDB/LOM** - MHW 375.000 HET N68°25.34' E23°32.20' 207° 4.4 NM to Fld. Unk/8°38.2'E **VHF/DF**

ILS/RADAR - **→ILS-DME** - BRG 208° LCZR ET 111.3 CH 50 GS 3.5°

ENSHEIM, GM See SAARBRUCKEN

ENTRAMMES, FR **LFOV** CIV N48°01.88' W0°44.58' 330 UTC+1(+2DT) **H-7A, L-7B**
RWY-15 L1,5,50 (5020x98 ASP S50 T78 ST99 TT143) L1,5,9,50 **RWY-33**
←4035

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Avbl 0700-1100Z++, 1300-1700Z++ Mon-Fri; OT PPR. **RSTD** - NORDO proh.
CSTMS/AG/IMG - CSTMS avbl Mon-Fri PPR.

COMMUNICATIONS - **LAVAL INFO** - 119.3

ENTZHEIM, FR **LFST** CIV N48°32.30' E7°37.69' 505 UTC+1(+2DT) **H-6H, L-6G**
RWY-05 L5,9,50 (7874x148 ASP PCN 59 F/C/W/T) L3,5,9,24,50 **RWY-23**

SERVICE - FUEL - Avbl 0545-2330Z++ Mon-Fri, 0545-2030Z++ Sat, 0600-2130Z++ Sun and hol. (NC-100LL, A1)

REMARKS - **CSTMS/AG/IMG** - CSTMS/IMG avail 0500-2200Z++. OT O/R.

COMMUNICATIONS - **STRASBOURG ATIS** - 126.925 **STRASBOURG APP** - (R) (V) 119.45 120.7 119.575 (119.45 EAST)(120.7 WEST) **STRASBOURG TWR** - (V) 126.875
STRASBOURG GND - 121.8

NAVAIDS - **STRASBOURG VORW-DME** - HA 115.600 STR CH 103 (060/50) N48°30.32' E7°34.32' 048° 3.0 NM to Fld. 586/(A)1°0.0'E (150/50 135°-225°; 60/50 225°-045°)
VHF/DF

ILS/RADAR - **→ILS-DME** - BRG 049° LCZR ENT 108.55 CH 22(Y) GS 3.5° **→ILS-DME** - BRG 229° LCZR STZ 109.55 CH 32(Y) GS 3.0° LCTR SE 412

EPERNON, FR **VORW-DME** - HA 115.650 EPR CH 103(Y) (060/50) N48°37.54' E1°39.39' 518/1°17.0'W **H-6F, L-7C**

EPINAL, FR **VORW** - HA 113.000 EPL (060/50) N48°19.07' E6°03.57' At MIRECOURT.
1154/(A)1°0.0'W **H-6H, L-6F**

EPINOY, FR **LFQI** MIL N50°13.31' E3°09.25' 257 UTC+1(+2DT) **H-6G, L-4H-6F-7D**
RWY-10 L5,9,36,50 (8264x164 ASP S78 T92 ST117 TT157) L5,9,24,50 **RWY-28**
A40 UNK (46' OVRN) HOOK UNK (1312') HOOK UNK (1312') A40 UNK (197' OVRN)

SERVICE - LGT - PAPI Rwy 10-28 GS 2.49°. **FUEL** - Avbl 0700-2030Z++ Mon-Thu, 0700-1600Z++ Fri, OT O/R. A1, A1+. **FLUID** - LHOX LOX LHNIT

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REMARKS - Opr 0715-1600Z++ Mon-Thu, 0715-1400Z++ Fri, O/R before 1330Z++ prev working day for Sat, Sun and hol. OT O/R before 1430Z++. **RSTD** - Ldg proh before thld markings due to J-bar. Ovft proh H24 blw 1000' AGL for VFR transit. PPR. Incl Auth Nr in fld 18 of FPL. PPR fone C33.3.27.74.75.55. Mixed OAT/GAT flt pln rqr for GAT IFR arr. **CSTMS/IMG** - CSTMS O/R 24 hr.

COMMUNICATIONS - CAMBRAI APP - (R) (E) 119.7 142.45 371.025 362.3 370.525D
CAMBRAI TWR - 118.525 257.8 315.025

NAVAIDS - CAMBRAI VORTACW - HA 112.600 CMB CH 73 (080/50) N50°13.69' E3°09.09'
At Fld. 257/(A)3°0.0'W CH 73 not co-lctd N50° 13.4' E03° 09.1'. **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 275° LCZR CMB 109.3 GS 2.82°. ■ **RADAR** - ASR - Call CAMBRAI
RADAR - 142.45 244.425 250.85 265.9 336.1 362.3 PAR - Call CAMBRAI GCA - 123.3
142.225 244.425 265.9 336.1 336.775. Opr 0715-1630Z++ Mon-Fri, OT PPR.

EPSOM, UK **NDB** - MHW 316.000 EPM N51°19.17' W0°22.32' Unk/2°20.7'W **H-6F, L-4G**

ERBIL INTL, (IRBIL NORTHWEST) IZ **ORER** CIV N36°14.26' E43°57.79' 1341
UTC+3(+4DT) **H-13B, L-15D**

(B) **RWY-15** L4,6,A,50 (9197x95 ASP PCN 65 F/A/W/T) L4,6,A,50 **RWY-33**
RWY-15L (CLSD 4085x105 ASP **RWY-33R**
PCN 43 F/A/W/T)
RWY-18 (CLSD 13890x225 U) **RWY-36**

SERVICE - AOE **FUEL** - A1. AvCard Skylink, (US fone) C703-318-4000, (ramp office)
C011-964-7901-909-452. Avbl SR-SS only.

REMARKS - **RSTD** - PPR rqr. VFR opr only. PPR and RAMCC slot time apv processes, as defined in the IZ AIP, still apply. **CAUTION** - No ATC. **MISC** - Aflcd ctc Email: arbilgc@yahoo.com, fone: C 003248459767 or C 008821667700111. **RWY** - No twy, back taxi on rwy.

COMMUNICATIONS - KIRKUK ACC - 125.3 237.325 **KIRKUK** - 129.75 264.2
TWR - 128.8

ERDEMIR, TU **NDB** - MHW 401.000 ERD N41°15.27' E31°25.10' 14/4°35.3'E Opr HO.
H-4H, L-15B

ERDING, (ERDING AIR DEPOT) GM **ETSE** MIL N48°19.34' E11°56.92' 1515
UTC+1(+2DT) **H-6I, L-6I**

(B) **RWY-08** L2,5,24,50 (8271x98 CON) L2,5,24,50 **RWY-26**
←HOOK 44B-2D (7' OVRN) HOOK 44B-2L(B) (1517') HOOK 44B-2D (302') →

SERVICE - AOE **LGT** - Rot Bcn 0.9 NM SW. **A-GEAR** - Rwy-26 44B-2L(B) apch end O/R 10 min. **JASU** - 1(RST-180) **FUEL** - J8 **FLUID** - LPOX LOX **OIL** - O-148-156

REMARKS - **RSTD** - Opr with 3 hr PPR. Shut off aft-burner when airborne. Rwy 08 str-in apch only. No cross-svcg for armed acft. **CAUTION** - Lgt acft act Sat, Sun and hol SR-30 to SS+30, up to 3000'. **MISC** - Rwy ldg sfc has anti-skid layer. Fone C08122-945-0 extn 1228/1227.

COMMUNICATIONS - MUNCHEN CON - (U) 127.95 259.55 **TWR** - (E) 120.2 122.1 257.8 369.45

NAVAIDS - ERDING TACAN - L ERD CH 83 (040/25) N48°19.49' E11°57.17' At Fld.
1545/(A)1°00.0'E
ERD TACAN MRA

020°-120° byd 40 NM blw 5000'
120°-280° byd 40 NM blw 7000'
280°-020° byd 40 NM blw 4000'

ERDING AIR DEPOT, GM See ERDING

ERFURT, GM **EDDE** CIV N50°58.79' E10°57.49' 1036 UTC+1(+2DT) **H-6I, L-5C**
(B) **RWY-10** L2,3,4,5,9,27,50 (8530x164 ASP PCN 85 F/C/W/T) L2,3,4,5,9,27,50 **RWY-28**
←7841

SERVICE - **LGT** - ABn 30 flashes W. PAPI Rwy 28 MEHT 55'. **FUEL** - (NC-100LL, A1)

REMARKS - **RSTD** - PPR 2100-0500Z++ due noise rstd. Ctc fax 0361/656 2241. Mil jet trng flt proh. **CSTMS/IMG** - CSTMS avbl 0500-2100Z++, OT PPR.

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COMMUNICATIONS - ATIS - Opr 0520-2050Z++ 133.45 **MUNCHEN RADAR - (R) (E)**
132.3 386.775 **TWR - (E)** 121.15 244.425 **GND - (E)** 121.75 119.7 **APRON - 121.9**
MUNCHEN INFO - (E) 120.65 262.75

NAVAIDS - ERFURT DVORW-DME - T 113.850 ERF CH 85(Y) (040/25) N50°57.05'
E11°14.20' 278° 10.7 NM to Fld. 1325/(A)1°00.0'E **ERFURT DME** - T EFD CH 57(Y)
(025/10) N50°58.96' E10°57.46' At Fld. 1076/1°27.1'E **ERFURT NDB/LMM** - MHW
425.000 ERT N50°58.96' E10°55.38' 096° 1.3 NM to Fld. 1036/1°26.5'E
ERF VOR unuse 175°-265° byd 10 NM blw 3000'
175°-265° byd 20 NM blw 4500'
175°-265° byd 30 NM blw 6500'

ILS/RADAR - ILS

ERHAC, TU **LTAT** MIL/CIV N38°26.12' E38°05.46' 2828 UTC+2(+3DT) **H-13A, L-15C**
(B) **RWY-03** L5,950 (10990x148 ASP) L5,9,11,50 **RWY-21**
←NET BEFAB (116' OVRN) 500S(B) (1385') 500S(B) (1328') NET BEFAB (164' OVRN) →

SERVICE - LGT - PAPI GS 2.8° **JASU** - 2(A-3A) 1(A-3AE) 3(MA-2) 1(U-1000) **FUEL** - J4, J8
FLUID - LPOX LOX **OIL** - O-132-148 **TRAN ALERT** - Svc avbl.

REMARKS - Opr by NOTAM. **RSTD** - Acft with TDT ldg gear proh. **MISC** - NOTAMS avbl
only at AOE listed in FCG.

COMMUNICATIONS - ATIS - 128.35 339.85 **APP - (E)** 122.1 362.3 **TWR** - 122.1 257.8
GND - 121.95 251.25

NAVAIDS - MALATYA VORW - HA 112.000 ERH N38°27.80' E38°06.73' 206° 2.0 NM to Fld.
2723/(A)4°00.0'E R125-R180, byd 30 NM, blw FL130. R250-R280, byd 20 NM, blw FL190.
ERHAC TACAN - T ERH CH 82 N38°26.50' E38°05.17' At Fld. 2858/4°41.3'E
ERHAC NDB - HHW 421.000 ERH N38°27.80' E38°06.73' 206° 2.0 NM to Fld.
Unk/4°41.7'E

ERKEN, SW **NDB** - MHW 383.000 ERK N59°53.77' E18°20.21' Unk/4°25.9'E **L-2G, H-2G**

ERKILET, TU **LTAU** MIL/CIV N38°46.22' E35°29.73' 3463 UTC+2(+3DT) **H-13A, L-15B**
(B) **RWY-07** L5,50 (9841x145 CON) L5,33,50 **RWY-25**
500S(B) (1275') 500S(B) (1281')

SERVICE - JASU - 1(A-1) 1(MA-1A) 1(MD-3) 1(MD-3A) 1(U-1000) **FUEL** - (N/C J4, J8)
FLUID - LPOX LOX **OIL** - O-128-148 **TRAN ALERT** - Svc avbl.

REMARKS - Opr by NOTAM. **RSTD** - 48 PPR due ltd prk avbl.

COMMUNICATIONS - APP - (E) 122.1 362.3 **TWR** - 122.1 257.8 **GND** - 121.95 251.25

NAVAIDS - KAYSERI VORW-DME - HA 116.300 KSR CH 110 N38°46.54' E35°31.30' 252°
1.3 NM to Fld. 3489/4°35.0'E **KAYSERI TACAN** - T KSR CH 116 N38°45.81' E35°28.65'
At Fld. 3525/4°34.7'E
KSR VOR unuse 170°-210° byd 10 NM blw FL 150.

ILS/RADAR - ILS - BRG 250° LCZR I-KSR 110.3 GS 3°

ERLANGEN, GM **VORW-DME** - HA 114.900 ERL CH 96 (060/50) N49°39.32' E11°09.05'
1841/(A)1°0.0'E **L-6H**

ERRACHIDIA, MO **VORW-DME** - HA 117.100 ERA CH 118 N31°55.45' W4°21.63' 308°
2.4 NM to MOULAY ALI CHERIF. 3432/(A)3°00.0'W **NDB** - HHW 293.000 KSR N31°55.52'
W4°21.73' 306° 2.3 NM to MOULAY ALI CHERIF. Unk/2°16.2'W **H-9B-16H, L-13C**

ERRACHIDIA MOULAY ALI CHERIF, MO See MOULAY ALI CHERIF

ERZINCAN, TU **LTCd** MIL/CIV N39°42.61' E39°31.62' 3783 UTC+2(+3DT)
H-13A, L-15C
(B) **RWY-11** L6,50 (9842x148 CON PCN 95 R/A/W/T) L6,33,50 **RWY-29**
RWY-13 (5800x137 CON SWL30) **RWY-31**

SERVICE - FUEL - (NC-J8)

REMARKS - Opr by NOTAM. **RSTD** - Rwy 13-31 not in use.

COMMUNICATIONS - TWR - 118.5 370.125 **GND** - 121.9

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NAVAIDS - ERZINCAN VORW-DME - HA 112.700 ERN CH 74 N39°42.50' E39°31.75'
At Fld. 3757/(A)4°00.0'E **ERZINCAN NDB** - MHW 430.000 ERN N39°42.50' E39°31.75'
At Fld. 3793/5°00.2'E Opr by NOTAM
ERN VOR-unuse 350°- 060° 5 to 15 NM blw 15,000' byd 15 NM blw
22,000' -
170°-240° 5 to 15 NM blw 18,000' byd 15 NM
blw 22,000'

ERZURUM, TU LTCE MIL/CIV N39°57.39' E41°10.21' 5763 UTC+2(+3DT) **H-13B, L-15C**
(B) **RWY-05** L43 (CLSD 3051x49 ASP) L43 **RWY-23**
RWY-08 L5,43 (12499x148 CON PCN 74 R/B/X/T) L5,11,43 **RWY-26R**
←NET BEFAB (166' OVRN) 500S(B) (1496') 500S(B) (1429') NET BEFAB (148' OVRN) →
RWY-08R L6 (12500x98 CON) L6 **RWY-26L**
←NET BEFAB (166' OVRN) 500S(B) (1496') 500S(B) (1430') NET BEFAB (147' OVRN) →
SERVICE - FUEL - Avbl 0500-1400Z++ working days, OT 2 hr PN. J8(Mil) (NC-80, 100LL, 115, J)
REMARKS - Opr by NOTAM. **MISC** - NOTAMS avbl only at AOE listed in FCG.
COMMUNICATIONS - APP - Opr HO. (E) 118.1 122.1 257.8 362.3 **TWR** - Opr HO. (E) 118.1 122.1 257.8 362.3 **GND** - 121.95 251.25
NAVAIDS - ERZURUM VORW-DME - HA 115.500 ERZ CH 102 N39°57.45' E41°12.43' 263°
1.7 NM to Fld. 5774/(A)4°00.0'E **ERZURUM TACAN** - T ERZ CH 51 N39°57.53'
E41°09.19' At Fld. 5763/5°08.1'E **ERZURUM NDB** - HHW 354.000 ERZ N39°57.38'
E41°12.42' 266° 1.7 NM to Fld. Unk/5°08.4'E **ERZURUM NDB/LOM** - MHW 434.000 ER
N39°57.60' E41°17.68' 263° 5.7 NM to Fld. Unk/5°08.7'E
ILS/RADAR - ➔ILS - BRG 264° LCZR I-ERZ 110.5 LOM ER 434 GS 3.2°

ESBJERG, DA EKEB CIV N55°31.56' E8°33.20' 97 UTC+1(+2DT) **H-2G-5C, L-2E**
(B) **RWY-08** L4,5,34,50 (8527x148 ASP PCN 60 F/A/W/T) L3,4,5,23,50 **RWY-26**
SERVICE - LGT - ABn opr when acft exp at ngt or in lo vis dur day. **FUEL** - (NC-100LL, A1)
FLUID - De-Ice
REMARKS - Opr 0600-2000Z++ Mon-Fri, 0800-1700Z++ Sat, 0800-1900Z++ Sun. OT PPR.
CAUTION - Gldr act. **CSTMS/IMG** - Avbl. **MISC** - Ldg fees.
COMMUNICATIONS - BILLUND APP - 127.575 364.65 **TWR** - Opr 0830-1600Z++
Mon-Fri; 1030-1700Z++ Sat, 1200-1900Z++ Sun. (R) (V) 120.15 257.8 **AFIS** - Avbl outside
Twr hr. (V) 120.15 257.8 **HANDLING** - 130.575
NAVAIDS - ESBJERG NDB/LOM - MHW 376.000 HP N55°30.69' E8°24.76' 080° 4.9 NM
to Fld. Unk/0°26.8'E
ILS/RADAR - ➔ILS - BRG 080° LCZR OO 109.1 GS 3° LOM HP 376 MM O/S til Dec 04 est.
➔ILS - BRG 260° LCZR ES 110.3 GS 3° LOM EJ 400.5

ESCHBACH, GM See BREMGARTEN

ESCOUBLAC, FR LFRE CIV N47°17.37' W2°20.78' 105 UTC+1(+2DT) **L-7B**
RWY-11 (3117x82 ASP S11) **RWY-29**
SERVICE - FUEL - Avbl SR-SS exc Tue.(NC-100LL).
REMARKS - Opr SR-SS. **RSTD** - NORDO proh. **CSTMS/IMG** - Avbl 0700-1900Z++ O/R prev
bus day prior 1500Z++.
COMMUNICATIONS - LA BAULE INFO - 121.4 **REMARKS**: Opr 0900-1100Z++,
1400-1700Z++ fr 15-30 Jun and 1-15 Sep daily exc Tue; 0830-1130Z++, 1400-1800Z++ fr 1
Jul-31 Aug daily.

ESENBOGA, TU LTAC CIV N40°07.68' E32°59.70' 3125 UTC+2(+3DT)
H-4H-13A, L-15B
(B) **RWY-03** L2,3,4,5,10,50 (12303x148 ASP PCN 80 F/C/W/T) L2,3,4,5,10,50 **RWY-21R**
11155→
RWY-03R L2,3,4,5,10,50 (12303x197 ASP PCN 58 F/A/X/T) L2,3,4,5,10,50 **RWY-21L**
SERVICE - AOE LGT - Rwy lgt 12.5' fr edge of ldg sfc. Rwy 03L first 180 M of apch lgt and
flg lgt O/S UFN. **JASU** - (C-26) **FUEL** - (NC-100LL, A1)

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REMARKS - CAUTION - Acft on visual apch fr W avoid ldg at Murted AB lctd 15 NM W of Esenboga.

COMMUNICATIONS - ATIS - 123.6 **APP - (R) (E)** 119.1 119.6 120.6 122.1 362.3
TWR - (E) 118.1 257.8 **GND** - 121.9

NAVAIDS - CUBUK VORW-DME - HA 114.300 BUK CH 90 N40°14.50' E33°06.28' 212°
8.5 NM to Fld. 4068/(A)3°00.0'E **ANKARA NDB-DME** - MHW 356.000 ANK CH 96
N39°57.18' E32°49.68' 036° 13.0 NM to Fld. 2749/4°32.3'E
BUK DME unuse byd 25 NM 310°-040° blw 12,000'
110°-160° blw 12,000'

ILS/RADAR - ILS

ESFAHAN SHAHID BEHESHTI INTL, (KHATAMI AB) IR OIFM MIL/CIV

N32°45.05' E51°51.68' 5072 UTC+3:30 **H-13C, L-17B-18F**

(B) **RWY-08L** L5,12,50 (14435x148 ASP) L2,5,11,50 **RWY-26R**
←NET UNK (180' OVRN) ←HOOK UNK (164' OVRN) HOOK UNK(B) (3300')
RWY-08R L5,12,50 (14435x148 ASP) L2,5,11,50 **RWY-26L**
HOOK UNK(B) (3300') HOOK UNK(B) (2700')

SERVICE - LGT - PAPI Rwy 26R GS 2.65°. PAPI Rwy 26L GS 3.02°. **FUEL** - Avbl H24.
(NC-100LL, A1, J4) J4 avbl in 4.75 gal tins.

REMARKS - CAUTION - Animal and bird haz.

COMMUNICATIONS - ATIS - Opr 0230-2100Z. 128.25 **APP - (E)** 122.05 122.65 124.6
282.0 313.8 317.5 344.0 **TWR - (E)** 118.3 257.8 **GND** - 121.9 275.8

NAVAIDS - ESFAHAN VORW-DME - HA 113.200 ISN CH 79 N32°44.82' E51°49.68' 079°
1.7 NM to Fld. 5072/(A)3°0.0'E **ESFAHAN TACAN** - HA IFN CH 118 N32°44.78'
E51°49.48' 079° 1.9 NM to Fld. 5072/(A)3°0.0'E **ESFAHAN NDB** - MHW 337.000 IFN
N32°44.94' E51°52.85' 273° 1.0 NM to Fld. 5072/3°18.0'E **UHF/DF**
ISN VORW-DME unuse byd 30 030°-070° blw 11,000'
NM 070°-080° blw 8000'
ISN VORW-DME unuse byd 40 000°-030° blw 11,000'
NM 080°-150° blw 8000'
150°-250° blw 10,500'
260°-270° blw 9500'
280°-310° blw 8000'
320°-330° blw 8500'
340°-000° blw 11,000'
IFN VORTAC unuse 010°-060° byd 30 NM blw 10,500'
170°-200° byd 28 NM blw 9500'
200°-220° byd 18 NM blw 9500'
220°- 270° byd 30NM blw 9000'

ILS/RADAR - →ILS-DME - BRG 255° LCZR IIFN 109.9 CH 36 GS 2.63°

ESKILSTUNA, SW ESSU MIL/CIV N59°21.06' E16°42.50' 139 UTC+1(+2DT)

H-2G, L-2F
RWY-18 L5,50 (6187x115 PEM AUW35) L5,33,50 **RWY-36**
J-BAR UNK (225' OVRN) →

SERVICE - LGT - Mil PAPI Rwy 18, 36 GS 2.86°, Civ APAPI Rwy 36 MEHT 49.9'. **A-GEAR** -
Barrier raised outside AFIS hr. **FUEL** - Avbl 0700-1600Z++ Mon-Fri. (NC-100LL, A1)

REMARKS - RSTD - PPR. Mil PPR thru Satenas (F7) C+46 (0)510 870 00. **CAUTION** - Exp
turb on short final in hi W winds. Roads cros rwy 1200' fr S end and 400' fr N end, FOD haz.
Gldr act. **MISC** - Civ opr Eskilstuna Flygplats, fone C+46 (0)16 940 15, mil opr fone C+46
(0)16 940 74.

COMMUNICATIONS - CON - Ops by mil NOTAM. Provides TWR svc. 136.2 126.85
121.05 **AFIS** - Opr 0700-1100Z++, 1200-1600Z++ Mon-Fri. **(V)** 126.85
MIL INFO - O/R Satenas. 126.85

NAVAIDS - VHF/DF

ILS/RADAR - →ILS-DME - BRG 356° LCZR SU 110.9 CH 46 GS 3° LCTR LX 402

ESKISEHIR, TU LTBI MIL N39°47.05' E30°34.93' 2581 UTC+2(+3DT) H-4H, L-15A

(B) **RWY-09** L5,50 (10006x150 ASP) L5,33,50 **RWY-27**
←NET BEFAB (164' OVRN) 500S(B) (1197') 500S(B) (1250') 500S (82' OVRN) →

AIRPORT/FACILITY DIRECTORY B-147

SERVICE - JASU - 1(A-1) 1(MA1A) 1(MD-3) 1(MD-3A) 1(U-1000) **FUEL** - (N/C 115, J8)

FLUID - LPOX LOX **OIL** - O-128-148 **TRAN ALERT** - Svc avbl.

REMARKS - MISC - NOTAMS avbl only at AOE listed in FCG.

COMMUNICATIONS - ATIS - 122.425 298.8 **APP - (E)** 122.1 362.3 **TWR** - 122.1 257.8
GND - 121.95 251.25

NAVAIDS - ESKISEHIR VORW-DME - HA 108.200 ESR CH 19 N39°48.78' E30°30.58' 114°
3.8 NM to Fld. 2585/4°16.9'E **ESKISEHIR TACAN** - T ESK CH 91 N39°47.02' E30°36.38'
268° 1.1 NM to Fld. 2599/4°17.2'E **ESKISEHIR NDB** - HW 372.000 ESR N39°48.78'
E30°31.27' 119° 3.3 NM to Fld. 2589/4°16.9'E
ESR VOR/DME unuse 350°-040° byd 30 NM blw 17000'

ESPICHEL, PO DVORTACW - HA 112.500 ESP CH 72 (200/50) N38°25.46' W9°11.15'
648/(A)5°00.0'W (200/50 203° - 315°, 80/50 315° - 203°)
ESP TACAN unuse 060°- 080° byd 10 NM blw 4000'
H-16H, L-11A

ESPOO, FI NDB - MHW 381.000 ESP N60°14.90' E24°47.78' 043° 6.5 NM
to HELSINKI VANTAA. Unk/7°04.5'E **L1D**

ESSAOUIRA MOGADOR, MO See MOGADOR

ESSE, FI NDB - MHW 398.000 ESS N63°38.21' E23°06.54' 003° 5.2 NM to KRUUNUPYY.
Unk/7°11.9'E **H-1D, L-1D**

ESSEN MULHEIM, GM EDLE CIV N51°24.14' E6°56.24' 424 UTC+1(+2DT)
H-6H, L-5B

(B) **RWY-07** L50,55

(5095x148 ASP)

L50,55 **RWY-25**
←3937

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0500-2100Z++, OT PPR. **RSTD** - Proh to jet acft, exc SAR/ambulance flt.

CAUTION - Trees to 443', 1083' W of thld Rwy 07. **CSTMS/AG/IMG** - Avbl.

COMMUNICATIONS - LANGEN INFO - 129.875 **INFO** - 119.75 (To be used wi 25NM up
to 4000' abv arpt.)

NAVAIDS - VHF/DF

ES SENIA, AG DAOO CIV N35°37.43' W0°37.27' 295 UTC+1 **H-9B-15A-16I, L-13D**
RWY-07 L5,50 (10039x148 ASP S208) L5,50 **RWY-25**
←9843

SERVICE - FUEL - (NC-100, A1)

REMARKS - Opr 0700-1500Z. **RSTD** - NORDO proh. **CAUTION** - Bird haz.

COMMUNICATIONS - ORAN APP - 128.2 121.1 **ORAN TWR** - 118.1 119.7

NAVAIDS - ORAN VORW-DME - HA 114.000 ORA CH 87 (200/49) N35°36.76' W0°39.30'
069° 1.8 NM to Fld. 284/1°12.4'W

ILS/RADAR - ➔ILS - BRG 251° LCZR OR 109.9 GS 3° LCTR ON 415

ESSEY, FR LFSN CIV (FA) N48°41.52' E6°13.83' 751 UTC+1(+2DT) **L-6G**
RWY-03 L1,5,9,17 (4593x131 ASP S37) L1,5,9,50 **RWY-21**

SERVICE - LGT - PAPI Rwy 21 GS 3.5°. **FUEL** - (NC-100LL, A1) **OIL** - Avbl H24.
O-113-117-123-148-155

REMARKS - Opr 0630-1900Z++ Mon-Fri; 0800-1100Z++, 1300-1800Z++ Sat, Sun.

CSTMS/IMG - CSTMS avbl with 12 hr PN. Fone C03.83.32.03.10. **MISC** - No svc avbl on
hol.

COMMUNICATIONS - LORRAINE APP - 127.25 **AFIS** - NANCY INFO- 119.6

NAVAIDS - VHF/DF

ILS/RADAR - ➔ILS - BRG 028° LCZR NY 108.5 GS 3° LCTR NE 339

B-148 AIRPORT/FACILITY DIRECTORY

ESSIDER, LY NDB - MHW 300.000 OJ N30°37.52' E18°21.08' Unk/2°04.1'E H-10F, L-14G

ETIMESGUT, TU LTAD MIL N39°56.99' E32°41.32' 2653 UTC+2(+3DT)

H-4H-13A, L-15B
RWY-11L L5,A,50 (8554x148 ASP) L5,A,50 RWY-29R
8061→
RWY-11R (4950x148 ASP) RWY-29L

SERVICE - JASU - 1(A-1) 1(A-3A) 1(U-1000) FUEL - (N/C 115, J8) FLUID - LPOX OIL -
O-128 TRAN ALERT - Svc avbl.

REMARKS - CAUTION - 3783' twrs aprx 1 NM S of arpt.

COMMUNICATIONS - ATIS - 298.4 ESENBOGA APP - (R) (E) 119.1 119.6 122.1 362.3
251.25 TWR - (E) 122.1 257.8 GND - 251.25

NAVAIDS - ETIMESGUT TACAN - T ETI CH 113 N39°57.45' E32°40.48' At Fld.
2622/4°31.4'E ANKARA NDB-DME - MHW 356.000 ANK CH 96 N39°57.18' E32°49.68'
268° 6.4 NM to Fld. 2749/4°32.3'E
ETI unuse Unrel btn 200-210 all levels.

ILS/RADAR - →ILS - BRG 110° LCZR ETI 110.5 GS 3.0°

EURA, FI EFEU PVT N61°06.97' E22°12.08' 259 UTC+2(+3DT) L-1D

RWY-11 L55 (3281x59 ASP) LA,55 RWY-29

REMARKS - Opr HX. CAUTION - Gldr act with acft tows and winch launches to 2700' AGL.

COMMUNICATIONS - RDO - 123.55

EURACH, GM DVORW-DME - HA 115.200 EUR CH 99 (060/30) N47°44.10' E11°14.96'

2279/(A)1°00.0'E
EUR VOR-DME unuse 100°-250° byd 8 NM blw 8000'
100°-250° byd 15 NM blw 12,000'
100°-250° byd 25 NM blw 16,000'

H-6I, L-6H

EUROAIRPORT, FR See BALE MULHOUSE

EVENES, (HARDSTAD NARVIK EVENES) NO ENEV CIV N68°29.48' E16°40.69' 84

UTC+1(+2DT) H-1C, L-1C
RWY-17 L2,5,7,40,50 (9236x148 ASP PCN 65 F/A/W/U) L2,5,7,24,50 RWY-35
8934→ ←9022
HOOK 34B-1C (203') →

SERVICE - AOE LGT - PAPI Rwy 35 not authorized byd 5NM from thld. A-GEAR - Avail O/R
Mon-Fri 0630-1430Z++. FUEL - Avbl 0500-1930Z++ Mon-Wed, 0500-2100Z++ Thu-Fri,
0500-1500Z++ Sat, 0830-2100Z++ Sun. OT O/R. (NC-100LL, A1)

REMARKS - Opr 0600-2359Z++ Mon-Fri and 0001-0120Z++ Tue-Sat, 0600-1915Z++ Sat,
0900-2320Z++ Sun. CAUTION - Windshear may occur on tkof or short final Rwy 17 if wind
SW-NW abv 20kt. RWY - Rwy 17 LDA 8933'. Rwy 35 LDA 9022'.

COMMUNICATIONS - ATIS - Opr HO 126.025 BODO CON - 126.45 278.05
TWR - Opr 0350-2359Z++ Mon, 0001-0120Z++, 0350-2359Z++ Tue-Sat, 0500-2340Z++
Sun (R) (E) 118.0 120.1 369.325

NAVAIDS - EVENES VORW-DME - HA 117.350 EVD CH 120(Y) N68°27.44' E16°40.90' 355°
2.0 NM to Fld. 153/(A)3°00.0'E EVENES TACAN - HA EVS CH 67 N68°29.48' E16°40.50'
At Fld. 103/(A)3°00.0'E FJELLSTAD NDB - MHW 396.000 FS N68°35.92' E16°40.34' 179°
6.5 NM to Fld. Unk/4°44.2'E VHF/UHF/DF

ILS/RADAR - ILS

EVORA, PO LPEV CIV N38°32.01' W7°53.38' 807 UTC 0(+1DT) L-11A

RWY-01 (4265x75 ASP) RWY-19
4085→ ←4167
RWY-08 (CLSD 2100x98 GVL) RWY-26

SERVICE - FUEL - (NC-100LL, A1)

AIRPORT/FACILITY DIRECTORY B-149

REMARKS - Opr SR-SS. **CAUTION** - Glidr and skydiving gnd to 6560' AGL, 1.6NM rad of afld. PJE btn SR-SS ev Sat, Sun and hol, gnd to 14,000' AMSL 2.7NM rad of afld. Two 5' wire fences cross thld Rwy 01 at 197' and 984' S.

COMMUNICATIONS - **INFO** - Opr 0830-1800Z++, OT O/R. 122.7

EVREUX, FR **VORTACW** - HA 112.400 EVX CH 71 (060/50) N49°01.90' E1°13.25'
At FAUVILLE. 499/(A)3°0.0'W (100/50 195°-225°, 150/50 225°-315°) CH 71 not co-lctd.
H-6F, L-7C

EXETER, UK **EGTE** CIV N50°44.07' W3°24.83' 102 UTC 0(+1DT) **H-3C, L-4F**
RWY-08 L5,41,50 (6834x151 ASP PCN 53 F/B/X/U) L5,35,50 **RWY-26**
6801→ ←6717
RWY-13 (CLSD 4393x151 ASP) **RWY-31**
3947→

SERVICE - AOE **LGT** - PAPI Rwy 26 GS 3.5°. **JASU** - 1(E5) 1(E6) 1(E14) 1(C1) **FUEL** -
(NC-100LL, A1) **OIL** - O-117-123

REMARKS - Opr 0000-0100Z, 0700-2359Z Mon; 0000-0200Z, 0700-2359Z Tue-Fri; (PPR before 0800Z and aft 2000Z Mon-Fri); 0000-0200Z, 0800-1700Z Sat; 0830-2359Z Sun (PPR before 0900Z and aft 1700Z) win. Opr 0600-2359Z Mon; 0000-0100Z, 0800-2359Z Tue-Fri; 0000-0100Z, 0530-2000Z Sat (PPR before 0700Z and aft 1900Z Mon-Sat); 0700-2359Z (PPR before 0800Z and aft 1900Z) Sun sum. **RSTD** - Proh to NORDO. Rwy 13-31 not avbl ngt. PPR for trng. 100LL refl area rstd to acft with wingspan 49' or less.

COMMUNICATIONS - **ATIS** - 119.325 **APP** - (R) (E) 128.975 **TWR** - (E) 119.8

NAVAIDS - **VHF/DF**

ILS/RADAR - ➔**ILS-DME** - BRG 080° LCZR I-ET 109.9 CH 36 GS 3.0°. ➔**ILS-DME** - BRG 260° LCZR I-XR 109.9 CH 36 GS 3.5° LOM EX 337. DME freq paired with ILS I-ET and I-XR, zero rng is indicated at thld of Rwy 08 and Rwy 26. MP 1000-1200Z++ Mon and Thu. GP unuse byd 8 NM or blw 200 ft. ■ **RADAR** - 119.05x 128.975. Clsd 0900-1100Z++ Tue.

EYN SHEMER, IS **LLES** CIV N32°26.45' E35°00.46' 95 UTC+2(+3DT)
H-13A-16G, L-16F, T-2F
RWY-09 (3990x100 PEM) **RWY-27**

REMARKS - Opr SR-SS. **CAUTION** - Ints glidr, parachuting and ultralight acft act.

COMMUNICATIONS - **TEL AVIV APP** - (V) 132.05 123.4 124.3 NORTHERN SECTOR

F7, SW See SATENAS

F10, SW See ANGELHOLM

F16, SW See UPPSALA

F17, SW See RONNEBY

F TOMIZZI, IT See RONCHI DEI LEGIONARI

FAGERHAUG, (OPPDAL FAGERHAUG) NO **ENOP** PVT N62°39.00' E9°50.80' 1830
UTC+1(+2DT) **L-1C**
RWY-07 L7 (3071x60 ASP) L7 **RWY-25**

SERVICE - **FUEL** - (NC-100LL)

REMARKS - **CAUTION** - Extv glidr and PJE.

COMMUNICATIONS - **INFO** - 122.95

FAGERNES/LEIRIN, NO See LEIRIN

B-150 AIRPORT/FACILITY DIRECTORY

FAHUD, MU **VORW-DME** - HA 112.500 FHD CH 72 N22°20.92' E56°29.12' 578/0°52.6'E
Unmto. **NDB** - HHW 267.000 FHN N22°20.72' E56°29.27' Unk/0°52.6'E Unmto.
H-14G, L-20H

FAIRFORD, UK **EGVA** AF N51°40.93' W1°47.40' 286 UTC 0(+1DT) **H-3C-6F, L-4G**
RWY-09 L5,9,24,50 (9994x200 ASP PCN 105 R/A/W/T) L2,5,9,24,50 **RWY-27**

SERVICE - AOE **LGT** - PAPI GS/RRP not coincidental with ILS GS/RPI. PAPI Rwy 09 GS 2.75',
PAPI Rwy 27 GS 2.85'. **JASU** - 8(AM32A-60A) 1(A/M32A-86) 3(A/M32A-95) 5(MC-1A)
Peace Time Use Req rqr prior to any use. **FUEL** - A1+ **FLUID** - LOX LPOX **OIL** - O-148

REMARKS - Opr HO. **RSTD** - Arpt in ltd svc status, not avbl as wx altn. USAF ATC, AM OPS
and WX on sby status 0730-1630Z++. Arpt and rwy remain clsd unless opened by NOTAM
with special arng fr 16AF/A3- DET3 DSN 238-2125. Fax DSN 238-3525 with when, for how
long and why FAIRFORD. Ctc 420 ABS/OSA DSN 247-4065 to coord arr and obtain specific
lcl opr pro. Twy C unltd Day/VFR use only. Twy C only for use by C-21/C-12 airframe or
similar. No space avbl pax. Ring ramp closed. No taxi. Tow only with wing walkers and afld
manager permission. **CAUTION** - Bird haz on A/D. Waterfowl overfly A/D. Seasonal
Canada Geese haz Oct-Dec. Non frangible bldg co-located with Rwy 27 ILS lczr ant 1400'
west or Rwy 09 thld on extended Rwy cntrln. **TFC PAT** - VFR overhead pat 2000'.
Rectangular pat 1500' for multi-eng jet/convl and 1000' for lgt acft reduced rwy separation
std are in eff for USAF ftr acft only. **NS ABTMT** - Mand NS ABTMT 2 NM rad arpt. Quiet
hr: 2300-0600Z++ wkcd, 1800Z++ Fri-0600Z++ Mon, UK hol. Use of SID mand unless DEP
CON drct otherwise. **MISC** - Fst 475' Rwy 27 and fst 1150' Rwy 09 conc. Middle 8369'
porous friction sfc. 180° turns proh on porous sfc. Exp back taxi via rwy.

COMMUNICATIONS - **PDT** - 233.475 **APP** - Call BRIZE RADAR. **(R) (E)** 119.0 127.25
122.1X 297.8 362.3X **REMARKS**: 122.1, 362.3 NATO freqs O/R only.
BRIZE DIRECTOR - 133.75 264.775 **CAC** - Call BRIZE RADAR. **(R) (E)** 124.275 389.575
TWR - **(E)** 119.15 338.225 **GND** - 234.25 **PMSV METRO** - 257.75 **REMARKS**: Remote
briefing svc avbl fr 21 OWS DSN496-6145, 6146. C +49-6302-67-6145/6146.

NAVAIDS - **FAIRFORD TACAN** - T FFA CH 81 (020/25) N51°40.90' W1°47.86' At Fld.
299/(A)4°00.0'W MP 0500-0800Z++ Mon.
FFA TACAN unuse 178°-192° byd 12 NM blw 3000'
290°-043° byd 20 NM blw 3500'

ILS/RADAR - **ILS-DME** 09, 27. LLZ MP 0500-0800Z++ Mon, GP MP 0500-0800Z++ Tue ■
RADAR - PAR - Call BRIZE DIRECTOR - 119.0 376.625.

FALCONARA, (ANCONA FALCONARA) IT **LIPY** CIV N43°36.98' E13°21.74' 49
UTC+1(+2DT) **H-4E-7D, L-12F**
(B) RWY-04 L4,5,50 (9718x148 ASP PCN 100 F/A/W/T) L4,5,33,50 **RWY-22**
9077→ ←9226

SERVICE - **LGT** - PAPI Rwy 04 MEHT 52', Rwy 22 MEHT 59'. **FUEL** - (NC-A1) **OIL** -
O-117-148

REMARKS - **RSTD** - Twy parl Rwy 04/22 only avbl SR-SS and acft max wt 6610 lbs.
CAUTION - Bird act. **NS ABTMT** - APU not auth til 60 min before ETD or 20 min aft ATA.
CSTMS/IMG - Avbl H24. **MISC** - Flw-me avbl O/R.

COMMUNICATIONS - **ATIS** - 122.85 **ROMAGNA APP** - **(R) (V)** 118.15 122.1 118.575X
338.65 362.3 379.75 **TWR** - **(E)** 119.8 122.1 257.8

NAVAIDS - **FALCONARA TACAN** - HA FAL CH 35 (200/60) N43°34.61' E13°17.97' 047°
3.6 NM to Fld. 208/1°58.3'E MP 0900-1100Z++1st and 3rd Thu **FALCONARA NDB** -
MHW 357.500 FAL N43°37.69' E13°22.41' At Fld. 81/1°59.3'E **VHF/DF**
FAL TACAN MRA within 40 NM 070°-180° 6000'
180°-280° 10,000'
280°-330° 7000'
330°-070° 4000'
110°-150° 5000'
150°-270° 9000'
270°-310° 3000'
310°-110° 2000'

FAL NDB MRA 25 NM

ILS/RADAR - **→ILS-DME** - BRG 223° LCZR 111.9 CH 56 GS 3.5°.

FALKENBERG LONNEWITZ, (FALKENBERG) GM **EDUF** PVT
N51°32.88' E13°13.74' 284 UTC+1(+2DT) **L-5D**
RWY-08 (3937x98 CON)

RWY-26

AIRPORT/FACILITY DIRECTORY B-151

REMARKS - Opr PPR. **CAUTION** - Gldr and ultra-lgt acft act.

COMMUNICATIONS - **INFO** - 130.125 15nm to 3000 ft AGL. **BERLIN INFO** - (E) 125.8 372.225

FALKOPING, SW **ESGK** CIV N58°10.19' E13°35.27' 785 UTC+1(+2DT) **L-2F**
RWY-04 L1,5 (4318x98 ASP PCN 7 F/B/X/T) L1,5,12,50 **RWY-22**

SERVICE - **LGT** - ACTIVATE-Depress trans key 10 sec 122.8. **PAPI** Rwy 22 G/S 2.86° MEHT 21.0'. **FUEL** - (NC-A1)

REMARKS - **CAUTION** - Extv gldr act. **MISC** - Situated wi ESR25. Aflld opr fone C+46 (0)515 806 30, fax C+46 (0)515 162 30.

COMMUNICATIONS - **MALMO APP** - Opr when ESR25 is active. (R) (E) 118.0
AFIS - Opr O/R, 6 hr PN. (V) 122.8X

FALMOUTH RADAR, UK (RN) **RADAR** - (E)(Opr 0830-1700Z++ or SS Mon-Thu, 0830-1600Z++ or SS Fri. Lo and middle airspace svc. Climb and recovery svc for Culdrose) (292.7 Initial ctc)

FARANAH, (BADALA) GV **GUFH** CIV N10°02.13' W10°46.19' 1476 UTC 0 **L-19A**
RWY-09 (7595x148 ASP 727) **RWY-27**

REMARKS - Opr 0730-1800Z. **CSTMS/IMG** - Avbl. **MISC** - All unsked flt must pay cash for enrt fees prior to dep.

COMMUNICATIONS - **TWR** - Opr HS. 118.5 **A/G VOICE RDO** - Opr HS. 6589

NAVAIDS - **FARANAH VORW** - HA 112.100 FRH N10°03.05' W10°45.60' 220° 1.1 NM to Fld. Unk/(A)9°20.8'W **FARANAH NDB** - MHW 350.000 FH N10°03.06' W10°45.61' 220° 1.1 NM to Fld. Unk/7°07.5'W Opr SR-SS.

FARNBOROUGH, UK **EGLF** MIL/CIV N51°16.55' W0°46.58' 238 UTC 0(+1DT)
H-6F, L-4G

(B) **RWY-06** L4,5,23,50 (8005x148 ASP PCN 75 F/C/W/T) L4,5,23,50 **RWY-24**
6233→ ←5915

SERVICE - **LGT** - PAPI Rwy 06-24 GS 3.5° MEHT 51'. Arpt IBn, green coded FH. **JASU** - 1(E1) 1(E3) 1(E4) 1(E6) 1(E7) 1(E10) **FUEL** - (NC 100LL, A1) **FLUID** - OXRB. De-Ice by arng.

REMARKS - Opr 0700-2200Z++ Mon-Fri; 0800-2000Z++ Sat, Sun and hol. **RSTD** - PPR H24. Rpt LDA 5905' Rwy 06-24. Acft proh fr arr and dep outside opr hr exc in emerg or anytime Dec 25 and 26. 180° turns and V/STOL tkof proh on ASP sfc of rwy. Full len dep both rwy mand, use starter extn. Flt crews req to wear hi-vis vests while airside. Arriving acft, incl R/W, must flw ATC instr and rpt marshaller in sight. Dep acft must use min pwr til est on twy. When calling for start, ramp posn must be passed to ATC. **CSTMS/AG/IMG** - Avbl HO, 48 hr PN.

COMMUNICATIONS - **ATIS** - 128.4 **APP** - (R) 134.35 125.25 **DIRECTOR** - (R) 130.05
TWR - 122.5 **OPS** - 130.375 Call Exec

NAVAIDS - **VHF/UHF/DF**

ILS/RADAR - **ILS-DME** - BRG 245° LCZR I-FNB 111.55 CH 52(Y) GS 3.5° **ILS-DME** - BRG 065° LCZR I-FRG 111.55 CH 52(Y) GS 3.5°

FARO, PO **LPFR** CIV N37°00.87' W7°57.95' 24 UTC 0(+1DT) **H-16H, L-11A-13B**
RWY-10 L4,5,50 (8169x148 ASP PCN 80 F/A/W/T) L4,5,A,50 **RWY-28**
8021→ ←8021

SERVICE - **AOE** **LGT** - PAPI Rwy 10,28 MEHT 69'. **FUEL** - (NC-100LL, A1 - Avbl 0800-2400Z++. OT O/R with surcharge.)

REMARKS - Opr 0605-2400Z++. **RSTD** - 2 hr PPR for all arr and dep acft. Rstd to acft able to maint two-way com with Faro Twr. Flw-me cars avbl O/R. Trng flt with consecutive touch and go are only allowed PPR fr arpt OPS 72 hr before operation. Transponder required. **CAUTION** - Bird haz.

COMMUNICATIONS - **ATIS** - Opr H24 124.2 **APP** - Opr H24 (E) 119.4 399.55 376.75
TWR - Opr H24 (E) 118.2 399.55 376.75 **GND** - Opr H24 (E) 118.575 399.55 376.75

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NAVAIDS - FARO DVORW-DME - HA 112.800 VFA CH 75 (200/50) N37°00.81' W7°58.50'
At Fld. 50/(A)4°00.0'W **FARO NDB** - MHW 332.000 FAR N37°00.52' W7°55.56' 285°
1.9 NM to Fld. Unk/3°28.3'W
VFA VOR/DMEunuse 290°-070° byd 40NM blw 6000'
FAR NDB unuse 300°-310° byd 50 NM blw 5000'

ILS/RADAR - ILS

FARSUND/LISTA, NO See LISTA

FASA, IR OISF CIV N28°53.51' E53°43.40' 4261 UTC+3:30 **H-13C, L-18F**
RWY-14 (6502x100 ASP) **RWY-32**

REMARKS - HO, OT 48 ppr before EBOT fr Shiraz arpt. **RSTD** - PPR 24 hr prior to EOBT.
CAUTION - Animal and bird haz.

COMMUNICATIONS - INFO - Opr O/R. 118.95

NAVAIDS - FASA NDB - MHW 216.000 FSA N28°53.77' E53°43.37' At Fld. 4261/2°20.1'E

FASSBERG, GM ETHS MIL N52°55.16' E10°11.85' 245 UTC+1(+2DT) **H-5D, L-5C**
(B) **RWY-06** (1312x148 GR5) **RWY-24**
RWY-09 L5 (8005x95 ASP) L2,5,24,50 **RWY-27**
1640→
RWY-09L (3281x164 GR5) **RWY-27R**

SERVICE - AOE **LGT** - PAPI Rwy 09 avbl only if full len of rwy is in use. **FUEL** - Hot refuel
O/R. A1+ **OIL** - O-133-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - 24 hr PN for
RON. 6365' of W portion Rwy 09-27 unuse. Use of full len Rwy 09-27 (8005') is possible in
exceptional cases and with 24 hr PPR. LANE 09-27 (NORTHLANE) for prop acft and emerg
ldgs. LANE 06-24 (SOUTHLANE) for helicopter only. **CAUTION** - PJE to FL95
1400Z++-SS Fri, wkend and hol; call INFO. Gldr and lgt acft to 6000', 1700Z++-SS Mon-Fri,
wkend and hol; call INFO. **CSTMS/IMG** - CSTMS/IMG O/R. **MISC** - Rwy ldg sfc has
anti-skid layer. Fone C05055-17-0, extn 2362. Class D airspace eff 2300Z++ Sun-2300Z++
Fri exc hol, OT Class E.

COMMUNICATIONS - RADAR - (R) (E) 122.425 123.3X 278.325 344.0 379.075 385.4
HANNOVER DIR - (R) (E) 131.325 259.725 **TWR - (E)** 42.4X 122.1 141.7 338.075 257.8

NAVAIDS - FASSBERG NDB - MHW 284.000 FSB N52°54.95' E10°11.28' At Fld.
329/1°10.5'E
FSB NDB Unuse byd 30 NM.

ILS/RADAR - ■ RADAR - ASR/PAR - Call RADAR - 122.425 278.325 379.075.

FATIMA, PO DVORW-DME - HA 113.500 FTM CH 82 (060/50) N39°39.96' W8°29.59'
686/(A)5°00.0'W
FTM VOR-DME unuse 210°-230° byd 35 NM blw 4000'
210°-230° byd 40 NM blw 5000'
210°-230° byd 47 NM blw 6000'

H-3A-16H, L-11A

FAUSKE, NO NDB - HHW 326.000 FSK N67°15.84' E15°08.43' 268° 18.1 NM to BODO.
Unk/3°42.3'E **H-1C, L-1C**

FAUVILLE, FR LFOE MIL N49°01.72' E1°13.19' 464 UTC+1(+2DT) **H-6F, L-7C**
RWY-04 L4,5,9,50 (9826x148 ASP PCN 69 F/C/W/T) L4,5,9,33,50 **RWY-22**

SERVICE - **LGT** - PAPI Rwy 04 MEHT 42', PAPI Rwy 22 MEHT 43'. **FUEL** - Avbl
0500-1930Z++ Mon-Fri, OT 1 hr PN. A1, A1+. 100LL avbl with 1 wk PN. **FLUID** - LHOXRB,
NIT, De-Ice. LOX with 72hr PN.

REMARKS - Opr 0700-1600Z++ Mon-Wed, 0700-1500Z++ Thu-Fri. OT O/R before 1400Z++
prev workday. **RSTD** - PPR LFOEZPZX, fone C33.2.32.62.12.18. Rpt PPR Nr in FPL item 18.
Overflight below 1000' AGL proh. NORDO proh. **CAUTION** - Mil flt trng wi CTLZ.
CSTMS/IMG - Avbl O/R H24.

COMMUNICATIONS - EVREUX ATIS - 138.225 **EVREUX APP - (R) (E)** 118.125 142.45
375.075 362.3 **EVREUX TWR** - 119.7 122.1 125.375 275.575 257.8
EVREUX GND - 122.1 257.8

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NAVAIDS - EVREUX VORTACW - HA 112.400 EVX CH 71 (060/50) N49°01.90' E1°13.25'
At Fld. 499/(A)3°0.0'W (100/50 195°-225°, 150/50 225°-315°) CH 71 not co-lctd. **UHF/DF**
ILS/RADAR - ➔ILS - BRG 222° LCZR EVX 111.3 GS 3°. **■ RADAR** - ASR - Call EVREUX RADAR
- 311.775 336.1 373.325 PAR - Call EVREUX GCA - 138.05 265.9 373.325.

FAYA LARGEAU, CD **FTTY** MIL N17°55.02' E19°06.66' 771 UTC+1 **H-12F, L-19D**
RWY-06 L53 (9186x148 ASP) L53 **RWY-24**

REMARKS - Opr SR-SS.

COMMUNICATIONS - **AFIS** - 118.1 119.7

NAVAIDS - FAYA LARGEAU NDB - HW 300.000 FLU N17°55.26' E19°06.78' At Fld.
830/1°09.9'E Opr HS and O/R 6 hr PN to FTTTIZX btn 0600-1800Z.

FAYOUM, EG **VORW-DME** - HA 117.300 FYM CH 120 N29°23.85' E30°23.58'
50/(A)3°00.0'E **H-10H, L-16E**

FEARN, UK **EG--/EG73** PVT N57°45.48' W3°56.58' 25 UTC 0(+1DT) **L-3C**
RWY-11 (3599x151 ASP) **RWY-29**

REMARKS - **RSTD** - PPR.

FERHAT ABBAS, AG See JIJEL

FERIHEGY, (BUDAPEST) HU **LHBP** CIV N47°26.22' E19°15.34' 495 UTC+1(+2DT)
H-4E, L-10F
RWY-13L L2,3,4,5,10,50,54 (12162x195 ASP PCN 75 R/B/X/T) L2,3,4,5,10,50,54 **RWY-31R**
RWY-13R L2,3,4,5,10,50,54 (9875x195 ASP PCN 75 R/B/X/T) L2,3,4,5,10,50,54 **RWY-31L**

SERVICE - AOE **FUEL** - A1(AIR BP avbl 0500-2100Z++, C+36 1 2966017; OT 6 hr PN \$50 ea
occurrence C+971 4220 0144) (NC-100LL). **FLUID** - De-icing O/R.

COMMUNICATIONS - **ATIS** - (117.3 BUD VOR-DME) 132.375 117.3
BUDAPEST APP - (R) (V) 129.7 122.975 **DIRECTOR** - 119.5 **TWR** - 118.1
GND - 121.9

NAVAIDS - VOT - 113.0 **BUDAPEST TVORW-DME** - HA 117.300 BUD CH 120 N47°27.03'
E19°14.97' At Fld. 531/(A)4°00.0'E **TAIOSAP DVORW-DME** - HA 115.900 TPS CH 106
N47°29.60' E19°26.77' 245° 8.5 NM to Fld. 839/(A)2°00.0'E **MONOR VORW-DME** - HA
112.500 MNR CH 72 N47°20.08' E19°24.33' 312° 8.7 NM to Fld. 453/(A)3°00.0'E
MONOR NDB - HHW 288.000 MNR N47°20.27' E19°23.99' 315° 8.4 NM to Fld.
Unk/3°25.2'E **TAIOSAP NDB** - MHW 306.000 TPS N47°29.60' E19°26.77' 243° 8.5 NM
to Fld. 839/3°26.5'E **DF**

ILS/RADAR - ILS ■ RADAR - Call DIRECTOR - 119.5

FERINGE, (LJUNGBY) SW **ESMG** CIV N56°57.02' E13°55.30' 538 UTC+1(+2DT) **L-2F**
RWY-01 L5,50 (3780x98 ASP) L5,35,50 **RWY-19**

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - **RSTD** - PPR. Fone C+46 (0)372-701 64.

COMMUNICATIONS - **INFO - (V)** 122.25

FERRARA, IT **NDB** - MHW 427.000 FER N44°48.87' E11°36.98' Unk/1°38.2'E MP
1000-1100Z++ 1st Wed.
FER NDB MRA

000°-150° 5000' within 50 NM
150°-250° 8000' within 50 NM
250°-325° 5000' within 40 NM
325°-360° 3000' at 40 NM

H-7D, L-9C

FERTILA, IT See ALGHERO

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FERTOSZENTMIKLOS, HU **LHFM** CIV N47°34.97' E16°50.73' 440 UTC+1(+2DT)

L-10F

RWY-16 (3232x75 ASP PCN 15 F/B/X/T)

RWY-34

SERVICE - FUEL - A1 (NC-100LL)

REMARKS - Opr 0700Z++ to SS. OT O/R. **CSTMS/IMG** - PPR one hr prior to arr and dep.

COMMUNICATIONS - INFO - 124.45

FETESTI, (COCARGEAU) RO **LR--/LR80** MIL N44°23.54' E27°43.60' 180 UTC+2(+3DT)

H-4G, L-10J

RWY-18 L7,9,34 (8202x262 CON 50 SWL)

L7,9,34 **RWY-36**

SERVICE - FUEL - (NC-A1+) **FLUID** - OX **OIL** - O-MK8P

COMMUNICATIONS - APP - (R) 130.0 **TWR** - 130.0

ILS/RADAR - ■ **RADAR - PAR** - Call RADAR - 130.0

FIGARI, FR **VORW-DME** - L 116.700 FGI CH 114 (040/25) N41°30.13' E9°05.01'

At SUD CORSE. 87/1°4.0'E **H-7C, L-12E**

FILIPPOS, GR **LGKZ** CIV N40°17.17' E21°50.45' 2059 UTC+2(+3DT) **H-15D, L-12G**

(B) **RWY-14** L50

(5978x98 ASP PCN 27 F/B/X/U)

L50 **RWY-32**

5384→

REMARKS - Opr by NOTAM.

COMMUNICATIONS - KOZANI AFIS - (V) 118.2 257.8 **KOZANI RDO** - 5637 2989 (5637

Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - KOZANI TVORW-DME - L 109.600 KOZ CH 33 (040/25) N40°17.11' E21°50.43'

At Fld. 2055/(A)1°00.0'E **KOZANI NDB** - HW 291.000 KZN N40°17.34' E21°50.52' At Fld.

Unk/3°14.1'E

FILTON, UK **NDB** - MHW 325.000 OF N51°31.31' W2°35.41' At BRISTOL FILTON.

Unk/3°13.3'W **H-3C, L-4F**

FINOW, GM **EDAV** CIV N52°49.63' E13°41.61' 121 UTC+1(+2DT) **H-5D, L-5D**

(B) **RWY-10** L6

(8268x164 CON PCN 58 R/B/W/U)

L2,6,9,14,50 **RWY-28**

SERVICE - FUEL - (NC 100LL, A1)

REMARKS - Opr 0800Z-SS+30 Mon-Fri, OT PPR 2 hr before SR and 2 hr aft SS, OT PPR ,
(0600Z-SS+30/1800 Mon-Fri, OT PPR 2 hr before SR and 2 hr aft SS, OT PPR DT).

CAUTION - Gldr act. **CSTMS/IMG** - CSTMS avbl O/R 4 hr, C03334-34418.

COMMUNICATIONS - BERLIN INFO - 132.65 251.375 North **INFO** - 119.05

FINSTERWALDE SCHACKSDORF, (FINSTERWALDE) GM **EDUS** PVT

N51°36.45' E13°44.28' 399 UTC+1(+2DT) **L-5D**

RWY-09 (3937x98 CON)

RWY-27

RWY-09R (2904x131 GRS)

RWY-27L

REMARKS - Opr PPR.

COMMUNICATIONS - BERLIN INFO - (E) 125.8 372.225

SCHACKESDORF INFO - 123.05 15NM to 3000ft AGL.

FIRENZE, (PERETOLA) IT **LIRQ** CIV N43°48.60' E11°12.31' 142 UTC+1(+2DT)

H-7D, L-12E

(B) **RWY-05** L4,7,9,12,50

(5425x98 ASP PCN 48 F/C/W/T)

L4,7,9,50 **RWY-23**

4933→

←3138

SERVICE - LGT - PAPI Rwy 05 MEHT 48'. Rwy 23 GS 4.0° MEHT 46'-offset 5° E, avbl for cir
final only. **FLUID** - De-Ice O/R

REMARKS - Opr 0530-2200Z++; OT state, humanitarian, emerg flt permitted. **RSTD** - PPR,
nr must be rptd on FPL box 18, C-39055300450, fax C-39055301092. **CAUTION** - Multi
cranes E of trml, multi obst on/near arpt. **NS ABTMT** - Reverse propulsion over flt manual
min forbidden exc for safety; APU auth wi 30 min of ETD or 30 min of ATA. **CSTMS/IMG** -
CSTMS avbl 0500-2200Z++; IMG avbl H24.

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COMMUNICATIONS - ATIS - Opr H24. 129.35 **APP** - Opr H24. (R) (E) 126.075 122.1 312.87 **FIRENZE TWR** - Opr H24. (V) 118.3 122.1 257.8 292.15

NAVAIDS - PERETOLA VORW-DME - HA 112.500 PRT CH 72 (025/10) N43°48.63' E11°12.09' At Fld. 157/1°32.2'E MP 0400-0530Z++ 1st and 3rd Wed. **VHF/DF**
PRT VOR-DME MRA at 25 NM

000°-050° 17,000'
050°-090° 8000'
090°-140° 7000'
140°-210° 5000'
210°-270° 3000'
270°-310° 6000'
310°-360° 8000'

ILS/RADAR - ILS-DME -BRG 045° LCZR IFZ 110.3 CH 40 GS 3° LCZR rng 18NM. Rt sctr unuse wi 5°.

FIRST ROYAL AFB, MO See SALE

FISCHAMEND, AU DVORW-DME - HA 110.400 FMD CH 41 (060/50) N48°06.31' E16°37.76' 275° 2.4 NM to SCHWECHAT. 639/(A)2°00.0'E VOR MP 0700-0900Z++ 3rd Tue; DME MP 1300-1500Z++ 3rd Tue. **H-4E, L-10F**

FISKA, GR VORW-DME - HA 116.400 FSK CH 111 (100/50) N41°05.98' E22°59.53' 1312/(A)1°00.0'E **NDB** - MHW 314.000 FIS N41°05.92' E22°59.50' Unk/3°28.4'E **H-15D, L-12G**

FIUMICINO, (LEONARDO DA VINCI INTL) IT LIRF CIV N41°48.27' E12°15.05' 15 UTC+1(+2DT) **H-7D-15C, L-12E**

(B) RWY-07 L4,5,12,50 9491→	(10856x148 ASP SWL100)	L2,4,5,11,50 RWY-25
RWY-16L L2,3,4,5,10,50	(12795x197 ASP SWL100)	L2,3,4,5,10,50 RWY-34R
RWY-16R L2,3,4,5,10,50	(12795x197 ASP SWL100)	L2,3,4,5,11,50 RWY-34L ←-11742

SERVICE - AOE **LGT** - PAPI Rwy 25 MEHT 75'. **FUEL** - (NC-A1)

REMARKS - CAUTION - Lo level wind shear possible. Multi cranes S of arpt btn Rwy 16L and 16R to 172'. **MISC** - Rwy 16L/34R prim for ldg - must rpt rwy vacated; Rwy 25 prim for tkof; other rwy use by ATC discretion. Rwy 16C/34C identified and used as Twy D. Rwy 16C/34C may be used as a rwy nml activated by NOTAM at least 48 hr PN. Rwy 16L/34R will then be clsd.

COMMUNICATIONS - ATIS - 114.9 121.85 (ARR 114.9)(DEP 121.85)

ROMA DIRECTOR ARR - Opr 0700-1900Z++ (R) (V) 119.2 **FIUME TWR** - (V) 118.7 127.625 (127.625 avbl 0600-2200Z++ for Rwy 16L/34R or 16C/34C)

FIUME GND/APRON - (ATC and start up clnc on 121.8 0600-2200Z++, 121.9 H24) 121.8 121.9 122.125 (Push back and taxi clnc on 122.125 0600-2200Z++, 121.9 H24)

FIUME RAMP - 121.725 (Pilot must rpt ready to move on this freq prior to req start up clnc)

NAVAIDS - OSTIA VORW-DME - HA 114.900 OST CH 96 (080/50) N41°48.23' E12°14.25' At Fld. 14/(A)0°00.0'E (150/50 001° to 320°) MP 0700-0900Z++ 1st Wed. **OSTIA NDB** - MHW 321.000 OST N41°48.31' E12°14.19' At Fld. Unk/1°43.0'E MP 0800-1000Z++ 2nd Mon. **FIUMICINO NDB/LOM** - MHW 354.000 FE N41°49.89' E12°21.06' 249° 4.8 NM to Fld. Unk/1°44.4'E MP 0800-1000Z++ 1st Tue. **FIUMICINO NDB/LOM** - MHW 345.000 FW N41°52.85' E12°11.93' 151° 5.1 NM to Fld. Unk/1°42.7'E MP 0800-1000Z++ 1st Thu. **FIUMICINO NDB/LOM** - MHW 421.000 FN N41°54.64' E12°14.08' 174° 6.4 NM to Fld. Unk/1°43.2'E MP 0800-1000Z++ 4th Tue.

OST VOR/DME MRA

000°-030° 20 NM 3000'
030°-120° 20 NM 2500'
120°-310° 20 NM 2000'
310°-360° 20 NM 3000'
000°-070° 40 NM 6000'
070°-120° 40 NM 7500'
120°-310° 40 NM 3000'
310°-360° 40 NM 6000'
90 NM 10,000'

OST VOR/DME R-177 MRA

btn 90 NM and 120 NM 16,000'
byd 120 NM unuse

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OST VOR/DME R-199 MRA byd 100 NM unus
OST VOR/DME R-219 MRA btn 60 NM and 80 NM 11,000'
80 NM 15,000'
OST VOR/DME R-249 MRA 80 NM 13,000'
FE NDB MRA 25 NM 060°-110° 5000'
110°-290° 15,000'
290°-060° 3500'
FN NDB MRA 25 NM 120°-300° 1500'
300°-120° 5000'
FW NDB MRA 25 NM 070°-130° 4000'
130°-300° 2000'
300°-070° 6000'
OST NDB MRA 50 NM 030°-120° 10,000'
120°-150° 6000'
150°-290° 2000'
290°-350° 6000'
350°-030° 9000'

ILS/RADAR - ILS ILS-DME SEE TERMINAL FLIP FOR ILS 16L/R, 25, 34R, ILS-DME 34L DATA.
➔**ILS** - BRG 162° LCZR FNN 108.5 CH 22 GS 3° ➔**ILS** - BRG 342° LCZR FSS 109.3 CH 22 GS
3° ➔**LOC-DME** - BRG 162° LCZR FNN 108.5 CH 22 ➔**LOC-DME** - BRG 342° LCZR FSS 109.3
CH 22.

FJELLSTAD, NO **NDB** - MHW 396.000 FS N68°35.92' E16°40.34' 179° 6.5 NM
to EVENES. Unk/4°44.2'E **H-1C, L-1C**

FLENSBURG SCHAFFERHAUS, GM **EDXF** CIV N54°46.31' E9°22.69' 130
UTC+1(+2DT) **L-2E**

(B) **RWY-04** (2297x148 GRS) **RWY-22**
2018→
RWY-11 L5,43 (4003x98 ASP AUW66) L2,5,23,43 **RWY-29**
RWY-11L (3937x197 GRS) **RWY-29R**
2953→ ←3412
←2953

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0800Z++-SS+30 or 1900Z++, OT PPR. **CSTMS/AG/IMG** - O/R 1 hr
0800-2300Z++. For exits no prior req rqr. **MISC** - Fone C0461-91700.

COMMUNICATIONS - BREMEN INFO - 125.1 **INFO** - 122.85 15NM 3000ft AGL.

NAVAIDS - VHF/DF

FLESLAND, (BERGEN FLESLAND) NO **ENBR** CIV N60°17.60' E5°13.09' 170
UTC+1(+2DT) **H-2F, L-1B**

RWY-17 L2,5,35,50 (9810x148 ASP PCN 70 F/A/X/T) L5,35,50 **RWY-35**
8924→ ←8921

SERVICE - AOE **LGT** - PAPI Rwy 17 GS 3.1°. **FUEL** - (NC-100LL, J8) **FLUID** - Obtain de-ice
sequence from GND.

REMARKS - **RSTD** - Twy ZN ltd to 118' wingspan, Twy ZS ltd to 171' wingspan. **CAUTION** -
Windshear likely on short final to Rwy 17 and Rwy 35 in winds over 12 Kt fr 200° -340°. Bird
and deer haz. 1138' crane 2000' east of rwy near terminal til 30 Sep 06. **NS ABTMT** - See
AP/2 Supplementary Arpt Info. **RWY** - Rwy 17 LDA and TORA 8038', Rwy 35 LDA and
TORA 8383'.

COMMUNICATIONS - ATIS - 125.25 **RADAR** - 0530-2200Z++ (R) 121.0

DIRECTOR - Opr HO 118.85 **ARR** - Opr HO (R) 125.0 **TWR** - (R) (E) 119.1 122.1X
GND - Opr HO 121.9

NAVAIDS - FLESLAND DVORW-DME - HA 115.550 FLS CH 102(Y) N60°18.68' E5°12.73'
173° 1.1 NM to Fld. 213/(A)3°00.0'W **VOLLO DVORW-DME** - T 114.850 VOO CH 95(Y)
N60°32.94' E5°07.73' 172° 15.6 NM to Fld. 1050/(A)3°00.0'W **FLESLAND TACAN** - HA
FLE CH 92 N60°18.00' E5°12.82' At Fld. 185/(A)3°00.0'W **BRATTA NDB** - HW 336.000
BTA N60°02.94' E5°18.03' 353° 14.9 NM to Fld. 157/1°14.5'W **VHF/UHF/DF**

ILS/RADAR - ILS Use caution on ILS 35 fr MM inbd due to fluctuation on LLZ. ■ **RADAR** - ASR
- Call FLESLAND RADAR - 121.0 (118.85 copter offshore) 340.0.

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FLETEN, NO **NDB** - MHW 345.000 FT N61°21.11' E5°33.17' Unk/1°16.0'W **L-1B**

FLORA, BE **DVOR-DME** - HA 112.050 FLO CH 57(Y) (050/25) N50°52.60' E5°08.07' 187/(A)2°00.0'W **H-6G**

FLORENNES, BE **EBFS** MIL N50°14.60' E4°38.75' 935 UTC+1(+2DT) **H-6G, L-6F**
RWY-08L L5,9,24 (11105x148 ASP PCN 58 F/B/W/T) L5,9,24,50 **RWY-26R**
10125→ ←10135
←NET UNK (580') HOOK BAK-9(B) (1376') HOOK BAK-9(B) (1488') NET UNK (666') →
RWY-08R L5,9 (7381x74 ASP PCN 59 F/C/W/T) L5,9 **RWY-26L**
6891→ ←6891
HOOK BAK-9(B) (918') HOOK BAK-9(B) (935')

SERVICE - AOE **JASU** - 1(Houchin 1 and 2) 1(A1 Atlas COPCO) 1(Macchi) **FUEL** - 100LL, A1+; **FLUID** - SP De-Ice LHOC LOX **OIL** - 0-128-133-135-138-147-150-SOAP

REMARKS - Opr 0730-1630Z++ Mon-Fri; clsd Sat, Sun and hol. **RSTD** - Clsd to all foreign acft wo PPR. PPR mandatory for full stop due to limited parking place, PPR at C+3271682504 (H24). **CAUTION** - Rpt LDA Rwy 08L 8642', Rwy 26R 8758'. Rpt LDA Rwy 08R 5954', Rwy 26L 5971'. Not all twy avbl for use by transport and/or strategic transport acft. Adhere strictly to taxi instr due to WIP. **CSTMS/AG/IMG** - O/R Mon-Fri; O/R Sat, Sun, hol before Fri 1600Z++. **MISC** - S twy clsd to transport acft.

COMMUNICATIONS - **APP** - (R) (E) 122.5 372.275 362.3 **TWR** - (E) 122.1 234.8 257.8 **GND** - 122.1 308.775 **GCA** - (R) (E) 123.3 377.8 231.45 243.4

NAVAIDS - **FLORENNES TACAN** - HA BFS CH 52 (100/60) N50°14.48' E4°39.18' At Fld. 954/(A)2°00.0'W (200/60 SE)

ILS/RADAR - **ILS-DME** 26R **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

FLORES, PO Azores I **LPFL** CIV N39°27.32' W31°07.88' 112 UTC-1(0 DT) **H-1A, L-1B**
RWY-18 L50 (4593x98 ASP) L50 **RWY-36**
4331→ ←4396

REMARKS - Opr 0930-1630Z++ Mon-Fri. Advance requests must be in by 1600Z++ of the prev day. Extn may be requested by 1200Z++ of same day. **CAUTION** - Fst 984' of Rwy 36 not vis fr twr. Bird haz.

COMMUNICATIONS - **TWR** - (V) 118.3

NAVAIDS - **FLORES DVORW-DME** - HA 113.300 FRS CH 80 N39°27.22' W31°12.63' 088° 3.7 NM to Fld. 2358/12°23.3'W **FLORES NDB** - HHW 270.000 FLO N39°26.77' W31°10.06' 086° 1.8 NM to Fld. Unk/12°22.3'W
FRS DME unuse 325°-345° within 40 NM blw 16,000'

FLORESTI, RO **VORW-DME** - HA 112.200 FLR CH 59 N44°30.05' E25°42.49' 071° 17.4 NM to HENRI COANDA. 384/4°16.1'E **H-4G, L-10I**

FLORNES, NO **NDB** - HW 380.000 FLR N63°27.54' E11°20.44' 269° 10.8 NM to VAERNES. Unk/1°29.1'E **H-2G, L-1C**

FLORO, NO **ENFL** CIV N61°35.02' E5°01.48' 37 UTC+1(+2DT) **H-2F, L-1B**
RWY-07 L1,5,7,23,45 (3934x98 ASP PCN 20 F/A/X/U) L1,5,7,23,45 **RWY-25**

SERVICE - **LGT** - PLASI Rwy 07 GS 4.5°, PLASI Rwy 25 GS 5.4°. **FUEL** - (NC 100LL, A1) **FLUID** - De-ice avbl O/R.

REMARKS - **CAUTION** - Turb may occur on short final Rwy 25 at NW to NNE winds, 320°-010° abv 12 Kt. Deer haz.

COMMUNICATIONS - **AFIS** - Opr 0545-2300Z++ Mon-Fri, 0545-1200 and 1410-1520Z++ Sat, 1850-2140Z++ Sun. (V) 119.2 121.85

NAVAIDS - **FLORO VORW-DME** - HA 112.300 FLO CH 70 N61°34.89' E5°01.21' At Fld. 66/(A)4°00.0'W

FLOTTA, UK **NDB** - HHW 357.000 IOF N58°49.79' W3°08.70' Unk/5°00.6'W **H-2E, L-1B**

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FOGGIA GINO LISA, IT See GINO LISA

FORLI, (L RIDOLFI) IT **LIPK** CIV N44°11.69' E12°04.21' 97 UTC+1(+2DT) **H-7D, L-12E**
(B) **RWY-12** L3,4,5,12,50 (7907x148 ASP SWL66) L4,5,50 **RWY-30**

SERVICE - LGT - PAPI Rwy 12 GS 3.33° MEHT 67', Rwy 30 MEHT 59'. Rwy 12-30 RCLS, Rwy 12 TDZL O/S UFN. **FUEL** - (NC-100LL, A1) (100LL avbl 0700-1900Z++ Mon-Sat, hol rqr 24 hr PPR C+39-0543-782555) (A1 avbl 2 hr PN SEAF C+39-0543-474990 subj to svc charge)

REMARKS - RSTD - Twy A, AA, E avbl SR-30 to SS+30 only (no lgt). **CAUTION** - No rwy shoulders. Ints trng flt possible dly. Multi obst vcnty arpt. **CSTMS/IMG** - Avbl sked flt, other flt on FPL. **MISC** - Altn for Rimini and Bologna.

COMMUNICATIONS - ROMAGNA APP - (R) (E) 118.15 122.1 124.85X 338.65 362.3 379.75 **TWR** - Opr 0500-2300Z++. **(V)** 118.95 119.75 257.8

NAVAIDS - FORLI NDB - MHW 423.000 FOR N44°14.88' E11°55.48' 116° 7.0 NM to Fld. Unk/1°41.0'E **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 116° LCZR FOR 109.7 GS 3°. BC unuse.

FORSOL, NO **NDB** - HW 318.000 FOR N70°43.22' E23°49.94' Unk/9°25.0'E **H-1C, L-1D**

FOSSMO, NO **NDB/LMM** - HW 371.000 SM N69°02.90' E18°36.01' 284° 1.4 NM to BARDUFOSS. 172/5°56.0'E **VHF/DF L-1C**

FOURCHAMBAULT, FR **LFQG** CIV N47°00.16' E3°06.80' 602 UTC+1(+2DT) **H-7B, L-8G**

RWY-12 L1,7 (5348x98 ASP S28 T42 ST53 TT79) L1,7,9,50 **RWY-30**
4823→ ←4068

SERVICE - LGT - PAPI Rwy 30 GS 3.5° MEHT 29'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0745-1130Z++, 1230-1700Z++ Mon-Fri; O/R prev workday before 1600Z++ for Sat, Sun, hol. **CSTMS/IMG** - Avbl with 2 hr PN. Sun and hol 24 hr PPR.

COMMUNICATIONS - NEVERS INFO - 120.6

FOXTROT ROMERO, FI **NDB/LOM** - MHW 375.000 FR N61°25.11' E21°55.62' Unk/6°10.7'E **L-1D**

FOYNES, EI **NDB** - MHW 395.000 FOY N52°33.98' W9°11.72' 057° 12.8 NM to SHANNON. Unk/6°09.8'W **H-3D, L-3B**

FRANCAZAL, FR **LFBF** MIL N43°32.73' E1°22.05' 535 UTC+1(+2DT) **H-7B-15A, L-11C**
RWY-12 L2,5,9,24,50 (5906x148 ASP S125) L5,9,50 **RWY-30**

SERVICE - AOE FUEL - Avbl 0945-2115Z++ Mon-Thu, 0945-2015Z++ Fri. (NC-100LL, A1+) **OIL** - O-147-155-156

REMARKS - Opr 0700-1545Z++ Mon-Thu, 0700-1500Z++ Fri, PPR before 1500Z++ prev bus day for Sat, Sun and hol. **RSTD** - PPR fone C5.61.41.81.26 extn 78222. NORDO proh. Ovflt blw 1000' AGL proh. **CAUTION** - VHF/DF O/S. **TFC PAT** - Rwy 12 rgt tfc.

COMMUNICATIONS - ATIS - 141.75 **REMARKS**: Opr 0700-1600Z++ Mon-Thu; 0700-1550Z++ Fri; PPR before 1400Z++ Sat, Sun and hol. **APP - (R) (U)** 118.8 142.45 278.225 362.3 **TOULOUSE APP** - Opr H24. **(R)** 125.175 129.3 123.85 124.975

TWR - (V) 118.4 386.575 **GND** - 122.1 257.8 **TOULOUSE INFO** - Opr H24. 121.25

NAVAIDS - TOULOUSE/FRANCAZAL TACAN - HA TLU CH 107 (080/50) N43°32.91' E1°22.09' At Fld. 597/(A)3°00.0'W (150/50 to NE) MP 0700-1100Z++Wed. **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 116° LCZR TFX 109.1 GS 3° LCTR TLF 331.5 ■ **RADAR** - ASR - Call RADAR - 118.8 278.225. MP 0700-1000Z++ Thu. PAR - Call GCA - 123.3 140.4 258.9 265.9 336.1.

FRANCE ACC, FR (FAF) System Military Operation Air Traffic. Ctl freq are mand for acft entering French Airspace at all levels. OAT Type V flt will add the suffix INFO to the callign. (E) 143.55 317.5 MILITARY OPERATION CONTROL AND COORDINATION SECTION (SCCOM) - (Provides mil ATS on special instr).- **AIX EN PROVENCE SCCOM** - **LFMMYWYX** - Call MARIUS (E) 143.55 317.5 231.325x 258.05x. **BORDEAUX SCCOM** - **LFWBYWYX** - Call MARENGO (E) 143.55 317.5 141.8x 235.15x 275.375x 278.35x 396.85x. **BREST SCCOM** - **LFRYWYWX** - Call MENHIR (E) 143.55 317.5 284.125x 378.825x. **TRAFFIC CONTROL AND COORDINATION CENTERS (TCC)** - **CINQ MARS LA PILE TCC** - **LFXYWYWX** - Call RAKI (E) 143.55 317.5 142.325x 296.775x 308.825x 312.475x 337.925x. **DRACHENBRONN TCC** - **LFYAYWYX** - Call RIESLING (E) 143.55 317.5 139.325x 313.5x 339.825x 383.225x 386.675x 396.875x 398.15x. **LYON TCC** - **LFXYWYWX** - Call RAMBERT (E) 143.55 317.5 140.875x 244.45x 260.25x 262.875x 315.9x 338.1x 377.675x. **MONT DE MARSAN TCC** - **LFBWYWX** - Call MARINA (E) 143.55 317.5 140.9x 264.7x 277.85x 292.55x 357.745x. **NICE TCC** - **LFMJWYWX** - Call RHODIA (E) 143.55 317.5 141.575x 250.0x 313.45x 368.875x 375.4x 379.8x.

FRANCISCO SA CAMEIRO, PO See PORTO

FRANKFURT ACC/FIC, GM **EDFF** (CIV) See **LANGEN ACC**

FRANKFURT HAHN, GM **EDFH** CIV N49°56.92' E7°15.83' 1649 UTC+1(+2DT)

H-6H, L-6G

(B) **RWY-03** L2,4,5,9,11,50 (12467x148 ASP PCN 72 F/C/X/T) L2,3,4,5,9,11,50 **RWY-21**
9006→ ←11483

SERVICE - LGT - PAPI Rwy 03 MEHT 49', Rwy 21 MEHT 52'. **FUEL** - (NC-100LL, A1)
FLUID - De-Ice avbl.

REMARKS - **RSTD** - Twy D unuse for acft exceeding 30,864 lbs. **NS ABTMT** - In eff
2100-0500Z++. **CSTMS/IMG** - Avbl. **RWY** - TODA Rwy 03 11,483', Rwy 21 10,810'.

COMMUNICATIONS - **ATIS** - 136.35 **LANGEN RADAR** - (R) (E) 125.6 375.7
TWR - 119.65 120.9 279.1 (Reserve freq 120.9) **GND** - 121.975
LANGEN INFO - 123.525

NAVAIDS - **HAHN DME** - T HND CH 116(Y) (025/10) N49°56.73' E7°16.06' At Flt.
1716/0°23.1'E **HAHN NDB/LMM** - MHW 376.000 HAN N49°57.89' E7°16.85' 214°
1.2 NM to Flt. 1649/0°23.2'E **VHF/DF**

ILS/RADAR - **ILS**

FRANKFURT MAIN, GM **EDDF** CIV N50°01.59' E8°32.59' 364 UTC+1(+2DT)

VFR, H-6H, L-6H, AACDTD

(B) **RWY-07L** L2,3,4,5,9,10,50 (13123x197 ASP PCN 74 F/A/W/T) L2,3,4,5,9,10,50 **RWY-25R**
RWY-07R L2,3,4,5,9,10,50 (13123x148 CON PCN 74 R/A/W/T) L2,3,4,5,9,10,50 **RWY-25L**
RWY-18L L4,5 (13123x148 CON PCN 90 R/A/W/T) **RWY-36**

SERVICE - AOE **LGT** - Rwy lgt 10' fr rwy edge. PAPI MEHT Rwy 07R-25L 68', PAPI MEHT
Rwy 07L-25R 67'. For all acft on ILS CAT I apch, PAPI is only usable up to a hgt of 200' abv
respective thld. **FUEL** - J8 A1 (Air BP/Jet City) Fone C49 6969500740. (NC-100LL).

REMARKS - **RSTD** - Arpt proh to tactical acft ldg (incl as wx altn) not proh as emerg altn.
Multi apch trng flt and touch and go ldg not auth. Ldg fees required. Coord arr with
General Avn Ramp C069-690-71719/72568 or send fax rqst to C069-690-59446. No apch or
dep Rwy 36. **CAUTION** - Dur simultaneous use of PAPI and ILS rstd to 200' abv thld. Ten
masts erected 2296' fr and in line with apch end Rwy 25L/25R 416' MSL lgt. **NS ABTMT** -
See FLIP AP/2, Rte and Area Rstd for tkof and apch NS ABTMT pro. On ldg 2100-0500++
reverse thrust shall not be used unless for safety. **MISC** - Ctc Frankfurt Delivery prior to
eng start. RHEIN MAIN AB portion of afld closed.

COMMUNICATIONS - **ATIS** - Opr 0250-0050Z++ (E) 118.025 118.725 **REMARKS**: (114.2
FFM) **LANGEN RADAR** - (R) (E) 118.45 120.15 120.8 136.125 126.55X 127.275X 277.8
372.85 **DIR** - HX (R) (E) 124.2 375.45 118.5X 25NM/FL100 **TWR** - (E) 119.9 124.85X
127.325X 378.35 (119.9 25NM/5000FT 378.35 25NM/4000FT) **GND** - HX (E) 121.8
LANGEN INFO - Opr SR-30 - SS+30. (E) 119.15 359.3 40NM/FL100 **DELIVERY** - (E)
121.9 **APN** - (E) 121.7 121.85 121.95 (APN EAST-121.95) (APN WEST-121.7) (APN
SOUTH-121.85)

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NAVAIDS - FRANKFURT VORTACW - HA 114.200 FFM CH 89 (050/50) N50°03.22' E8°38.23' 246° 4.0 NM to Fld. 491/(A)0°00.0'E (50/50 203°-248°;100/50 248°-360°; 100/50 000°-203°). ATIS bcst. **FRANKFURT DME** - L FRD CH 106 N50°01.83' E8°34.02' At Fld. 441/0°46.3'E **FRANKFURT NDB/LOM** - MHW 382.000 FW N50°00.30' E8°25.77' 074° 4.6 NM to Fld. Unk/0°43.9'E **FRANKFURT NDB/LOM** - MHW 297.000 FR N50°03.94' E8°41.01' 247° 5.9 NM to Fld. Unk/0°48.3'E **VHF/UHF/DF**
FFM TACAN unuse 310°-340° byd 20 NM blw 4000'
310°-340° byd 40 NM blw 8000'

ILS/RADAR - ILS SEE TERMINAL FLIP FOR ILS 07L/R, 25L/R DATA ➔ **ILS/DME** 26L - BRG 250° LCZR IFWL 111.35 CH 50(Y) GS 3° ■ **RADAR** - See AP/2 SUPPLEMENTARY AIRPORT REMARKS FOR REDUCED MINIMUM RADAR SEPARATION FOR DIAGONAL STAGGERED APPROACHES.

FREIBURG, GM EDTF CIV (FA) N48°01.36' E7°49.95' 799 UTC+1(+2DT) L-6G
(B) **RWY-16 L7** (4068x98 ASP AUW22) **L7 RWY-34**
3248→ ←3215

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0700Z-SS, (SR-0700Z and SS-SS+30 PPR); 0600Z-SS/1730 (SR-0600Z and SS/1730Z-SS+30 PPR DT). **RSTD** - Rwy 34 LDA 3215', fence at EOR. **CAUTION** - Gldr and PJE act. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/AG/IMG** - Avbl for non-coml and non-sked tfc with no merchandise. 1hr PPR.

COMMUNICATIONS - LANGEN INFO - 128.95 **INFO** - 118.25 25 NM TO 4000 ft AGL.

NAVAIDS - VHF/DF

FREISTADT, AU DVORW-DME - HA 113.500 FRE CH 82 (060/50) N48°25.91' E14°07.79' 169° 12.1 NM to LINZ. 2014/(A)0°00.0'E VOR MP 0800-1000Z++4th Tue, DME MP 1200-1400Z++4th Tue. **H-6J, L-6J-10E**

FRESCATY, FR LFSF MIL N49°04.30' E6°07.90' 629 UTC+1(+2DT) H-6G, L-6G
RWY-01 L5,9,50,53 (7874x148 ASP S55 T83 ST105 TT148) **L5,9,24,50,53 RWY-19**
←A30 UNK (190' OVRN) A30 UNK (190' OVRN) →

SERVICE - LGT - PAPI Rwy 01 MEHT 56', PAPI Rwy 19 MEHT 57'. **FUEL** - Avbl Mon-Fri dur nml opr hr and OT O/R 2 hr before closing. (NC-A1+) **FLUID** - LHOX **OIL** - O-147, O-156.

REMARKS - Opr 0700-1610Z++ Mon-Thu, OT O/R before 1550Z++; 0700-1500Z++ Fri, OT O/R before 1400Z++; Sat, Sun, hol O/R before 1300Z++ last working day. **RSTD** - PPR fone C03.87.69.55.78. Incl Auth Nr in fld 18 of FPL. Rwy 01 thld wt brg cap S42 T55 ST70 TT102. **CSTMS/IMG** - CSTMS avbl. **MISC** - Rwy sfc grooved. Fst 328' Rwy 01 poor cond. Do not land before rwy tdz aiming points.

COMMUNICATIONS - METZ APP - (R) (U) 119.125 125.9 142.45 119.3 119.7 123.3 242.4 244.575 265.9 336.1 378.5 **METZ TWR - (U)** 131.275 119.7 278.225
METZ GND - 122.1

NAVAIDS - METZ TACAN - HA MET CH 17 (040/25) N49°04.02' E6°07.76' At Fld. 663/(A)1°00.0'W **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 190° LCZR MZ 109.1 GS 3° ■ **RADAR** - ASR - Call METZ RADAR - 282.0 378.5. PAR - Call METZ GCA - 265.9 282.0 336.1.

FRIA, GV GUFA CIV N10°21.03' W13°34.15' 499 UTC 0 L-19A
RWY-06 (5249x131 ASP) **RWY-24**
REMARKS - Opr 0800-1800Z.
COMMUNICATIONS - TWR - Opr O/R. 121.9 **INFO** - Opr O/R. 6589

FRIBOURG, SZ VORW-DME - HA 110.850 FRI CH 45(Y) (040/50) N46°46.65' E7°13.41' 2659/(A)0°00.0'E (100/50 195°-255°) **H-7C, L-9A**

FRIEDLAND, GM VORW-DME - HA 117.150 FLD CH 118(Y) (060/50) N53°45.76' E13°33.79' 43/(A)1°00.0'E **H-5D, L-5D**

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FRIEDRICHSHAFEN, GM EDNY CIV N47°40.28' E9°30.69' 1367 UTC+1(+2DT)

H-6I, L-6H
(B) RWY-06 L2,4,5,9,12,50 (7729x148 ASP PCN 60 F/C/W/T) L2,3,4,5,9,12,50 **RWY-24**
 6844→ ←7054

SERVICE - LGT - PAPI Rwy 06 GS 3.1° MEHT 49' , PAPI Rwy 24 MEHT 55'. **FUEL** - (NC-100LL, A1) **FLUID** - De-Icing and Anti-Icing avbl.

REMARKS - Opr 0500-2100Z++ Mon-Fri; 0800Z++-SS+30 Sat, Sun, GM hol; OT PPR 1100Z++ wkd prior. Fone C+49 07541-284120. **RSTD** - Arpt rstd to acft with MTOW of 484,000 lbs. No tkof or landing 2100-0500Z++. No tkof of powered or turbo-jet btn 1130-1330Z++ Sun and hol. **CAUTION** - ALS Rwy 06 partly obsc. Two cranes 1509ft prior to rwy 06 thr 1049ft SE of rcl 1472ft MSL.

COMMUNICATIONS - ATIS - Opr 0500-2200Z++. 129.6 **MUNCHEN INFO** - 126.95 **ZURICH ARR - (R)** 119.925 **TWR** - 120.075 268.6 (120.075 Opr 0500-2200Z++ Mon-Sun) **INFO** - 122.5 25NM to 4000ft AGL.

NAVAIDS - FRIEDRICHSHAFEN DME - T FHD CH 73 (025/10) N47°39.98' E9°30.53' At Fld. 1400/1°06.5'E **FRIEDRICHSHAFEN NDB/LMM** - HW 473.000 FHA N47°40.87' E9°32.27' 240° 1.2 NM to Fld. 1366/1°06.9'E **VHF/DF**
 FHD DME unuse 120°-190° 0-6 NM blw 2400'
 120°-190° 6-12 NM blw 3400'
 120°-190° 12-18 NM blw 4400'
 120°-190° 18-25 NM blw 5400'

ILS/RADAR - ➔ **ILS-DME** - BRG 059° LCZR I-FHE 111.9 CH 73 GS 3.1°. ➔ **ILS-DME** - BRG 239° LCZR I-FHW 111.9 CH 73 GS 3°

FRITZLAR, GM ETHF MIL N51°06.87' E9°17.15' 566 UTC+1(+2DT) **VFR, L-5C**
(B) RWY-12 L5,50 (3413x98 ASP) L5,24,50 **RWY-30**

SERVICE - AOE **LGT** - PAPI Rwy 12 GS 4.4° , PAPI Rwy 30 GS 3.3°. **FUEL** - J8 Refueling only on ramp A. **OIL** - O-133-135-138-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. PPR via AFTN only. **RSTD** - Practice apch by jet acft proh 1100-1300Z++ and aft 1700Z++ Mon-Thu and aft 1100Z++ Fri; OT PPR. Avoid ovft the town of Fritzlar (1 NM NW) blw 2000' AGL. PPR and RON via AFTN only. **MISC** - Emerg ldg strips S of and parl to rwy: Lane A 1460' x 167' and Lane B 1262' x 303'. Fone C05622-99-0-2350/2353, fax 05622-99-2351.

COMMUNICATIONS - LANGEN CON - (R) (E) 124.425 368.8 **TWR - (E)** 40.6 122.1 257.8 284.6 355.65 **RADAR - (R)** 123.3 135.6 139.95 253.5 385.4 387.35 **A/G RDO** - 40.6

NAVAIDS - FRITZLAR NDB - MHW 468.000 FTZ N51°05.06' E9°24.91' 290° 5.2 NM to Fld. 1096/0°59.3'E

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

FROSINONE, IT VORW-DME - HA 115.600 FRS CH 103 (040/25) N41°38.53' E13°17.70' 632/1°54.0'E MP 1000-1200Z++ 1st Thu. **NDB** - MHW 371.000 FRS N41°38.63' E13°17.38' Unk/1°54.8'E MP 1000-1200Z++ 1st Thu.

FRS VOR/DME MRA at 40 NM 360°-070° 21,000'
 070°-140° 10,000'
 140°-230° 24,000'
 230°-260° 29,000'
 260°-280° 24,000'
 280°-310° 6000'
 310°-360° 13,000'
 FRS NDB MRA at 25 NM 060°-120° 8000'
 120°-140° 6000'
 140°-330° 9000'
 330°-060° 11,000'

H-7D, L-12E

FROSON, (OSTERSUND FROSON) SW ESPC CIV N63°11.65' E14°30.12' 1233 UTC+1(+2DT) **H-2G, L-1C**

RWY-12 L2,5,36 (8202x148 ASP PCN 55 F/B/X/T) L2,5,9,36,50 **RWY-30**
RWY-12L (CLSD 4034x54 ASP) **RWY-30R**

SERVICE - LGT - PAPI Rwy 30 GS 2.86°. **FUEL** - Avbl dur TWR hr. (NC-100LL, A1)

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REMARKS - RSTD - PPR for ops outside TWR opr hr, make req 0700-1515Z++ Mon-Fri, fone C+46 (0)63 19 30 00. Tkof Rwy 12 or lng Rwy 30 proh unless wind or tfc cond rq.

CAUTION - Hwy parl to rwy on N side may be mistaken for rwy. **CSTMS/IMG** - Avbl O/R, fone C0771 52 05 20. **MISC** - Lnd fees. Increased charges 2100-0500Z++ Mon-Thu, 2100-0630Z++ Fri, 1230-1000Z++ Sat, 2100-0500Z++ Sun. **RWY** - Rwy 12L-30R is an unmrk hwy strip lctd N of parl twy and is for contingency use only.

COMMUNICATIONS - FROSO CON - (R) (V) 135.65 FROSO TWR - Opr 0500-2300Z++ Mon-Fri, 0630-1230Z++ Sat, 1000-2300Z++ Sun. **(V) 130.9**

NAVAIDS - OSTERSTUND DVORW-DME - HA 114.650 OSS CH 93(Y) (150/50) N63°11.97' E14°29.25' At Fld. 1204/(A)1°00.0'E Unmto **VHF/DF**

ILS/RADAR - ➔ILS-DME - BRG 114° LCZR PC 109.5 GS 3° CH 93(Y) LMM F 338

FROTEY, FR LFQW CIV N47°38.26' E6°12.24' 1249 UTC+1(+2DT) **L-6F-8H**
RWY-08 L1,7 (4731x66 ASP S46) L1,7 **RWY-26**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr HX. **CSTMS/IMG** - CSTMS avbl with 24 hr PN.

FRYDLANT, EZ VORW-DME - HA 114.850 OKX CH 95(Y) (075/50) N50°54.16' E15°01.91' 1300/(A)2°00.0'E **H-5E-6I-8F, L-5E**

FRYKLANDA, SW See TORSBY

FUENTEMILANOS, SP LEFM PVT N40°53.28' W4°14.34' 3284 UTC+1(+2DT)
L-11B

RWY-16 (3281x59 ASP) **RWY-34**

COMMUNICATIONS - AERO CLUB - 123.4 123.5

FUERTEVENTURA, SP GCFV CIV N28°27.16' W13°51.83' 83 UTC 0(+1DT)
H-11B, L-13A

RWY-01 L2,6,8,33,50 (7874x148 ASP PCN 67 F/A/W/T) L6,9,38,50 **RWY-19**

SERVICE - LGT - PAPI Rwy 19 GS 3.2". Rwy 19 thld lgt O/S til 1 Jun 06. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0730-2300Z++. **RSTD** - 1 hr PPR 1hr before arpt clsd. **CAUTION** - Twy WIP til 1 Jun 06 est. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - ATIS - 118.65 **CANARIAS APP** - 129.3 **TWR - (E)** 118.5 119.2 257.8 **GND** - 121.7

NAVAIDS - FUERTEVENTURA DVORW-DME - HA 114.100 FTV CH 88 N28°25.85' W13°51.87' 008° 1.3 NM to Fld. 46/(A)7°00.0'W **VHF/DF**

ILS/RADAR - ➔ ILS-DME - BRG 008° LCZR IFV 109.5 CH 32 GS 3° LOM FV 397

FUHLSBUTTEL, GM See HAMBURG

FUJAIRAH INTL, AE OMFJ CIV N25°06.73' E56°19.44' 152 UTC+4 **H-14G, L-18G**
(B) **RWY-11** L34,50 (12303x148 ASP PCN 100 F/A/W/U) L11,50 **RWY-29**
10007→

SERVICE - FUEL - J8 (ENOC Intl. sales, fone C9719-314-4614) (NC-100LL)

REMARKS - **CSTMS/IMG** - Avbl.

COMMUNICATIONS - ATIS - 114.7 **RADAR - (R) (V)** 129.4 **TWR - (V)** 124.6 **GND** - 119.45 **DUBAI DEPARTURE** - 125.45

NAVAIDS - FUJAIRAH DVOR-DME - HA 114.700 FJR CH 94 N25°06.10' E56°21.12' 293° 1.6 NM to Fld. 54/1°23.0'E MP 1000-1230Z 1st Mon. DME MP 0500-0900Z 1st Mon.

FUJAIRAH NDB - HHW 400.000 FUJ N25°06.13' E56°21.03' 291° 1.6 NM to Fld. Unk/1°21.4'E MP 0500-0700Z 2nd Mon.

FJR VOR/DME unuse 160°-350° byd 5 NM blw FL 80
160°-350° byd 20 NM blw FL 100
160°-350° byd 30 NM blw FL 150

ILS/RADAR - ➔ILS-DME 29 ■ RADAR - 129.4 - Opr 0500-1300Z Sat-Wed.

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FULDA, GM **DVORW-DME** - HA 112.100 FUL CH 58 (060/50) N50°35.55' E9°34.33'
1138/(A)2°00.0'W (100/50)
FUL VOR/DME unused

320°-010° fr 0-20 NM blw 3000'
320°-010° fr 20-40 NM blw 7000'
320°-010° fr 40-60 NM blw 12,000'
320°-010° fr 60-80 NM blw 17,000'
320°-010° fr 80-100 NM blw 22,000'

H-6I, L-5C-6H

FUNCHAL, PO See MADEIRA

FURSTENFELDBRUCK, GM **ETSF** MIL/CIV N48°12.34' E11°16.02' 1703
UTC+1(+2DT) **H-6I, L-6H**

(B) **RWY-09** (9003x151 CON)

RWY-27

REMARKS - Opr 0700-1700Z++ or SS+30 Mon-Fri, 0700-1200Z++ Sat, no flt ops Sun and
hol. PPR 1430-1900Z++ or SS+30. 31 Dec-30 Mar PPR. **RSTD** - Jet acft not allowed.

COMMUNICATIONS - **MUNCHEN INFO** - 126.95 **INFO** - 123.7 15NM to 3000ft AGL.

FURSTENWALDE, GM **VORW-DME** - HA 113.300 FWE CH 80 (050/50) N52°24.68'
E14°07.84' 238/(A)2°0.0'E **H-5E, L-5D**

G CENNI, IT See CERVIA

G FARINA, IT See DECIMOMANNU

G GAETA, IT See VILLAFRANCA

G SABELLI, IT See BOLZANO

GACHSARAN, IR **OIAH** CIV N30°20.25' E50°49.68' 2414 UTC+3:30 **H-13C, L-18F**
RWY-12 (6070x148 ASP) **RWY-30**

REMARKS - Opr SR-SS. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - **INFO** - 122.1 129.0 3650 5690 5400 (Heliport 5400)

NAVAIDS - **GACHSARAN NDB** - MHW 245.000 GSN N30°18.74' E50°52.23' 302° 2.7 NM
to Fld. 2414/2°52.0'E

GACKO, BK **NDB** - MHW 370.000 GAC N43°08.58' E18°33.50' Unk/2°56.2'E **H-4F, L-12G**

GAFSA, TS **DTTF** MIL/CIV N34°25.32' E8°49.35' 1060 UTC+1(+2DT) **H-9D, L-14E**
RWY-05L5,55 (9514x148 ASP PCN 37 F/B/X/U) L5,50,55 **RWY-23**

SERVICE - **FUEL** - (NC-A1)

COMMUNICATIONS - **APP** - (V) 122.1 **TWR** - (V) 122.1

NAVAIDS - **GAFSA VORW-DME** - T 109.000 GAF CH 27 N34°25.24' E8°49.44' At Fld.
1066/0°52.6'E

GAILLAC, FR **VORW** - HA 115.800 GAI (100/50) N43°57.24' E1°49.45' 103° 12.8 NM
to LE SEQUESTRE. 972/(A)2°0.0'W (60/50 210°-240°) **H-7B-15A, L-11C**

GALATI, RO **DVORW-DME** - HA 108.200 GLT CH 19 N45°24.98' E27°55.66'
128/(A)4°33.6'E **H-4G, L-10J**

GALATINA, IT See LECCE

GALLIVARE, SW **ESNG** CIV N67°07.94' E20°48.88' 1027 UTC+1(+2DT) **H-1C, L-1D**
RWY-12L5,9,A,50 (5623x148 ASP PCN 22 F/B/X/T) L5,23,50 **RWY-30**

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SERVICE - LGT - PAPI Rwy 12 GS 4.0°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0400-1940Z++ Mon-Fri, 0700-1140Z++ Sat, 1000-1940Z++ Sun. **RSTD** - PPR outside opr hr. **MISC** - Ldg fees.

COMMUNICATIONS - AFIS - (V) 122.1

NAVAIDS - GALLIVARE NDB/LOM - HHW 325.000 OG N67°06.24' E20°57.12' 292° 3.6 NM to Fld. Unk/6°54.2'E

ILS/RADAR - ➔ **ILS-DME** - BRG 292° LCZR NG 108.1 CH 18 GS 3° LOM OG 325

GALWAY, EI **EICM** CIV N53°18.01' W8°56.50' 81 UTC 0(+1DT) **H-3D, L-3B**
(B) **RWY-08** L4,5,38,50 (4003x98 ASP PCN 29 F/B/W/T) L4,5,38,50 **RWY-26**
←3754

SERVICE - LGT - ABn flg W. PAPI Rwy 08 MEHT 29.5'. Rwy 26 MEHT 41'. **FUEL** - (NC-100LL, A1) **FLUID** - De-Ice

REMARKS - Opr 0515-0700Z++, 0820-1630Z++, 1730-1850Z++, 1950-2220Z++ Mon-Fri; 0630-0740Z++, 0930-1600Z++ Sat; 0720-0915Z++, 1015-1440Z++, 1530-1850Z++, 1930-2230Z++ Sun. **RSTD** - PPR. **CSTMS/IMG** - CSTMS avbl 24 hr PN.

COMMUNICATIONS - ATIS - 121.825 **TWR** - 122.5 **REMARKS**: 0550-0630Z++, 0730-0815Z++, 0930-1700Z++, 1815-1930Z++, 2100-2300Z++ Mon-Fri; 0600-0700Z++, 1000-1700Z++ Sat; 0900-1700Z++, 1815-1930Z++, 2130-2300Z++ Sun. OT by NOTAM. **GND** - 121.825

NAVAIDS - GALWAY NDB - HW 342.000 CRN N53°17.96' W8°56.45' At Fld. Unk/6°10.0'W

ILS/RADAR - ➔ **ILS-DME** - BRG 262 LCZR 108.5 CH 22X GS 3°

GAMSTON, (GAMSTON RETFORD) UK **EGNE** CIV N53°16.83' W0°57.08' 91
UTC 0(+1DT) **H-5B, L-3C**
RWY-03 L50 (5522x98 ASP) L50 **RWY-21**
4735→ ←4735
RWY-08 (CLSD 2662x150 ASP) **RWY-26**
RWY-15 (CLSD 2764x150 ASP) **RWY-33**

SERVICE - FUEL - (NC-100LL, A-1)

REMARKS - Opr Mon- Fri 0800-1800Z++; Sat and Sun 0900-1800Z++ and OT O/R. **RSTD** - PPR. Displ thld Rwy 03-21 rstd for tkof.

COMMUNICATIONS - RDO - 130.475

NAVAIDS - GAMSTON VORW-DME - HA 112.800 GAM CH 75 (080/25) N53°16.88' W0°56.83' At Fld. 121/(A)4°00.0'W

GANDO, SP See GRAN CANARIA

GANED, YM See TAIZ INTL

GAO, ML **GAGO** MIL/CIV N16°14.91' W0°00.33' 870 UTC 0 **H-11D, L-19B**
RWY-07 L50,55 (8202x148 ASP 727) L55 **RWY-25**

SERVICE - LGT - PAPI Rwy 07 GS 3.12°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0600-1800Z, O/R 6 hr before 1600Z to GABSYDYX or 1 hr to GAGOYDYX. **RSTD** - Flying over mil camp proh. **CSTMS/IMG** - CSTMS avbl 48 hr PPR.

COMMUNICATIONS - TWR - 118.1 **RDO** - 8894

NAVAIDS - GAO VORW - HA 112.300 GAO N16°14.27' W0°01.59' 066° 1.4 NM to Fld. 852/(A)3°00.0'W **GAO NDB** - HW 364.000 TZI N16°14.37' W0°01.40' 066° 1.2 NM to Fld. 882/2°24.6'W

GARDERMOEN, (OSLO GARDERMOEN) NO **ENGM** MIL/CIV
N60°11.64' E11°06.02' 681 UTC +1(+2DT) **H-2G, L-1C**
(B) **RWY-01L** L2,4,5,23,50 (11811x148 ASP PCN 75 F/A/W/T) L2,3,4,5,23,50 **RWY-19R**
RWY-01R L2,3,4,5,23,50 (9678x148 ASP PCN 75 F/A/W/T) L2,4,5,23,50 **RWY-19L**
SERVICE - AOE **FUEL** - No refuel while APU in use. (NC-100LL, A1, J4)

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REMARKS - RSTD - Mil acft opr 0630-1430Z++ Mon-Fri, clsd hol. PPR for all visiting acft to Gardermoen Mil AB. PPR Diplomatic clnc req to COMAIRNORTH. All mil acft shall be VHF equipped. No ftr turn around. **CAUTION** - Unlgt'd obst sur arpt. **NS ABTMT** - See AP/2 Supplementary Arpt Info. **RWY** - Rwy 01R-19L preferred rwy btwn 2200-0530Z++.

COMMUNICATIONS - ATIS - 126.125 127.15 (126.125 ARR) (127.15 DEP) **APP - (R)** 119.975 120.45 (119.975 E SCTR) (120.45 W SCTR) **DIRECTOR** - Opr HO. **(R)** 131.35 **TWR - (R) (V)** 118.3 120.1 339.875 (118.3 W Sctr, Rwy 01L-19R) (120.1 E Sctr, Rwy 01R-19L, Opr 0530-2200Z++) **GND** - Opr 0530-2200Z++ 121.925 121.675 121.725 369.325 (121.675 121.725 Opr HO) **CLNC DEL** - 121.6 **PMSV METRO** - GARDERMOEN HANDLING/BRIEFING 134.175 **WINGOPS** - 293.8 **DE ICING** - Opr HO. 131.975

NAVAIDS - GARDERMOEN DVORW-DME - HA 115.950 GRM CH 106(Y) N60°11.51' E11°04.47' At Fld. 692/(A)1°00.0'W **SOLBERG NDB** - MHW 414.000 SLB N60°00.75' E10°58.44' 019° 11.5 NM to Fld. Unk/1°19.4'E **OPPAKER NDB** - MHW 334.000 OPA N60°12.26' E11°31.20' 267° 12.6 NM to Fld. Unk/1°33.7'E **MORSKOGEN NDB** - MHW 347.000 MSK N60°27.34' E11°16.12' 198° 16.5 NM to Fld. Unk/1°27.0'E **BERGERUD NDB** - HHW 316.000 BGU N59°50.92' E11°15.73' 346° 21.3 NM to Fld. Unk/1°27.0'E

ILS/RADAR - ILS ■ RADAR - ASR - Call Director - 131.35

GARDUR, IC **NDB/LOM** - MHW 377.000 GA N65°52.67' W17°27.80' Unk/15°23.2'W
H-1A, L-1A

GARITSA, GR **DTVORW-DME** - T 108.800 GAR CH 25 (040/25) N39°36.38' E19°54.57'
At IOANNIS KAPODISTRIAS INTL. 29/2°54.0'E **L-12G**

GARONS, FR **LFTW MIL (CIV)** N43°45.45' E4°24.98' 309 UTC+1(+2DT)
H-7B-15A, L-11D

RWY-18 L5,9,23,50,51 (8005x148 CON PCN 44 R/C/W/T) L5,9,50,51 **RWY-36**
BAK-12A (935') BAK-12A (820')

SERVICE - LGT - PAPI Rwy 18 MEHT 61', PAPI Rwy 36 MEHT 49'. **FUEL** - Avbl
0600-2200Z++ Sat, Sun and hol, 45 min PN. (NC-A1+) **OIL** - O-155

REMARKS - Opr 0700-1600Z++ Mon-Fri, OT PN rqr to LFTWYDYX. **CSTMS/AG/IMG** - Avbl
0700-1600Z++, OT 4 hr PN fone C04 66 36 35 00.

COMMUNICATIONS - ATIS - 129.35 **RHONE ACC** - See LE TUBE. **APP - (E)** 119.7 124.9
362.3 379.925 **TWR - (E)** 123.2 257.8 275.325 **GND** - 121.8

NAVAIDS - NIMES TACAN - HA NIM CH 53 (100/10) N43°44.75' E4°25.17' At Fld.
309/0°5.0'W **NIMES/GARONS NDB** - MHW 354.000 NG N43°51.43' E4°24.38' 177°
6.0 NM to Fld. Unk/0°06.1'W **VHF/UHF/DF**

ILS/RADAR - ILS-DME - 18 ■ **RADAR** - ASR - (All prim UHF freq avbl) 124.6 296.75 PAR - Call
FINAL - 339.875.O/S UFN.

GARRISTOWN, EI **NDB** - MHW 407.000 GAR N53°31.72' W6°26.85' 141° 9.1 NM
to DUBLIN. Unk/5°12.9'W **H-3D-5A, L-3B**

GARZ, GM See HERINGSBORF

GASSIM, SA **OEGS CIV** N26°18.17' E43°46.47' 2126 UTC+3 **H-14F, L-20G**
(B) **RWY-15** L7,11,43 (9843x147 ASP PCN 59 F/A/W/T) L7,43 **RWY-33**

SERVICE - FUEL - (NC-A1)

REMARKS - RSTD - PPR Fone C06-380-0013, telex 301330 MATAQ SJ, fax C06-380-0222.

CAUTION - Extreme ctn while using Rwy 15/33 and twy due to WIP--- 0600-0800Z,
0930-1200Z Sat; 0600-0800Z Sun; 0530-0800Z, 0930-1200Z Mon; 0500-0715Z, 0930-1200Z
Wed; 0600-0800Z, 0930-1200Z Thu til 19 May 2003. Lcl trng flt proh dur WIP.

COMMUNICATIONS - TWR - (E) 118.0 358.8 **GND** - 121.9 **SAUDIA RDO** - 131.5

NAVAIDS - GASSIM VORTACW - HA 117.100 GAS CH 118 N26°17.88' E43°46.78' At Fld.
2159/(A)2°00.0'E

ILS/RADAR - ILS-DME 15

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GATWICK, UK EGKK CIV N51°08.88' W0°11.42' 202 UTC 0(+1DT) **H-6F, L-4G**
RWY-08L L5,34,50 (8415x148 ASP PCN 76 R/B/W/T) L5,34,50 **RWY-26R**
7362→ ←7049
RWY-08R L3,4,5,33,50 (10364x148 ASP PCN 78 R/B/W/T) L3,4,5,33,50 **RWY-26L**
9076→ ←9486

SERVICE - AOE **FUEL** - (NC-A1)

REMARKS - **RSTD** - PPR to mil acft. Rpt LDA Rwy 26L 9288'.

COMMUNICATIONS - **ATIS** - 136.525 **APP** - Call DIRECTOR (R) 126.825 118.95 129.025
(118.95, 129.025, 135.575 when instr by ATC) **TWR** - 124.225 134.225 (134.225 when instr
by ATC) **GND** - Opr 0530-2300Z (0400-2300Z sum). 121.8 **CLNC DEL** - 0630-2100Z
(0500-2100Z sum), or as drct. 121.95 **REMARKS**: For gnd movement planning dur opr hr,
departing acft must use 121.95 for initial call.

NAVAIDS - **GATWICK NDB** - MHW 338.000 GE N51°09.87' W0°04.15' 261° 4.7 NM to Fld.
Unk/2°12.6'W **GATWICK NDB** - MHW 365.000 GY N51°07.84' W0°18.96' 081° 4.9 NM
to Fld. Unk/2°17.7'W

ILS/RADAR - **→ILS-DME** 08R - BRG 080° LCZR I-GG 110.9 CH 46 GS 3° **→ILS-DME** 26L - BRG
260° LCZR I-WW 110.9 CH 46 GS 3° **■ RADAR** - ASR - Call RADAR - 126.825. MP
0900-1400Z++ Tue.

GAVLE, SW ESSK CIV N60°35.60' E16°57.08' 224 UTC+1(+2DT) **H-2G, L-1C**
RWY-18 L1,5,33,50 (6562x148 ASP PCN 44 F/B/X/T) L1,5,12,50 **RWY-36**

SERVICE - **LGT** - ACTIVATE - depress trans key 10 sec 122.35. PAPI Rwy 18 MEHT 55.8', Rwy
36 GS 3.25° MEHT 66.8'. **FUEL** - Avbl dur AFIS hr. (NC-100LL, A1)

REMARKS - **MISC** - Ldg fees, Increased charges outside AFIS hr.

COMMUNICATIONS - **AFIS** - Opr O/R 24 hr PN 0700-1500Z++ Mon-Fri. Fone C+46 (0)26
248414/(0)70 4140681. (V) 122.35

NAVAIDS - **GAVLE NDB/LOM** - HHW 326.000 OG N60°39.82' E16°57.24' 181° 4.2 NM
to Fld. 979/3°56.6'E

ILS/RADAR - **→ILS** - BRG 177° LCZR SK 111.3 GS 3° LMM R 417 LOM OG 326.

GAZIANTEP, TU See OGUZELI

GAZIEMIR, TU LTBK MIL N38°19.15' E27°09.56' 433 UTC+2 **L-12H-15A**
(B) **RWY-17** L55 (4453x131 ASP) L55 **RWY-35**

SERVICE - **JASU** - 2(A-1) **FUEL** - (N/C 115, J8) **TRAN ALERT** - Svc avbl.

REMARKS - Opr 0600-1500Z++ Mon-Fri; OT 2 hr PPR. **CAUTION** - Hi terrain and obst 2
NM to 10 NM all quad.

COMMUNICATIONS - **MENDERES APP** - (R) (V) 120.1 132.9 314.8 362.3

GDANSK, PL NDB/LOM - HW 322.000 GDA N54°20.71' E18°35.76' 290° 5.0 NM
to LECHA WALESY. Unk/3°52.8'E **L-21A**

GEDERN, GM DVORTACW - HA 110.800 GED CH 45 (070/50) N50°24.72' E9°14.95'
1601/(A)1°00.0'W (80/50 315° -225°;70/50 225°-315°) **H-6I, L-6H**

GEILENKIRCHEN, GM ETNG NATO N50°57.65' E6°02.55' 296 UTC+1(+2DT)
H-6H, L-5A
(B) **RWY-09** L5,24,43 (10009x147 CON E3A) L2,5,24,43 **RWY-27**
9518→ ←9518

SERVICE - **JASU** - 1(AM-32A-60A) **FUEL** - J8 **FLUID** - De-Ice LOX **OIL** - O-133-148

REMARKS - Opr 0700-2100Z++ Mon-Thu, 0700-1700Z++ Fri, clsd hol. **RSTD** - STRICTLY
PPR 24 HR. Fone C02451-63-0, extn 4747/634748. Only flw req will be granted; VIP code 5
or abv, drct support for E3A component, essential support of natl support units and tenant
units. Arr/dep for other than E-3A component acft allowed only dur publ opr hr. Exc
granted by Component Commander thru AIS extn 634747 or Geilenkirchen Command Post
extn 4433 or 4434. VIP flt ctc MAGIC COMD prior to ldg. Avoid ovft of strip parl to and N
of rwy. Practice apch of tran acft of more than 13,200 AUW with apvl of Command Post.
Copter shall apch drct fr the N or S at 500' AGL. Ltd svc for tran acft.

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COMMUNICATIONS - ATIS - 278.2 **FRISBEE TWR** - (E) 122.1 140.075 257.8 378.575
FRISBEE RADAR - (R) (E) 123.3 123.725 143.4X 244.55 344.0 385.4 242.125X 378.05X
LANGEN CON - (R) (E) 128.5 337.85 **MAGIC COMD POST** - Opr H24. (E) 139.875
259.65 375.8X

NAVAIDS - **GEILENKIRCHEN TACAN** - L GIX CH 18 (080/50) N50°57.80' E6°02.71' At Fld.
327°0'04.0"W (108.1)

ILS/RADAR - **ILS RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

GEILO/DAGALI, NO See DAGALI

GEITERYGGEN, (SKIEN GEITERYGGEN) NO **ENSN** CIV N59°11.10' E9°34.02' 463
UTC+1(+2DT) **L-2E**

RWY-01 L25,41,50 (4596x105 ASP PCN 20 F/B/X/U) L5,41,45 **RWY-19**
4407→ ←4407

SERVICE - **LGT** - PVASI GS 3.3°. Terrain penetrates PVASI clnc sfc, E of cntrline, .4 NM fr thld.
PAPI GS 3.5°. **FUEL** - Avbl by prior arng. (NC-100LL, A1)

REMARKS - Opr 0630-1800Z++ Mon-Fri. **RSTD** - PPR for unsked acft exceeding 10 PAX
cap. **CAUTION** - PJE days VMC. Downdraft and windshear possible on final Rwy 01-19
with wind abv 12 Kt. **CSTMS/IMG** - Avbl 2 hr PN. **MISC** - Ldg fees. **RWY** - Rwy 01-19 rpt
LDA 3914', TORA 3934'.

COMMUNICATIONS - **FARRIS APP** - Opr HO. 134.05 234.125 **AFIS** - Opr 0530-1755Z++
Mon, 0615-1845Z++ Tue-Fri, 1630-1845Z++ Sun. 119.2

NAVAIDS - **SKIEN DVORW-DME** - HA 113.600 SKI CH 83 N59°11.28' E9°34.22' At Fld.
491/(A)0°00.0'E **VHF/DF**

ILS/RADAR - ➔ **LOC-DME** - BRG 186° LCZR SE 110.1 CH 38 LCTR MR 389 LCTR FN 368

GEMEREK, TU **VORW-DME** - HA 115.100 GEM CH 98 N39°09.32' E36°01.75'
5000/(A)3°00.0'E **H-13A, L-15B**

GENEINA, SU **NDB** - HW 261.000 GNA N13°29.00' E22°27.82' Unk/1°15.6'E **L-20E**

GENEVA COINTRIN, SZ **LSGG** CIV N46°14.28' E6°06.54' 1411 UTC+1(+2DT)
H-7B, L-8H-9A

RWY-05 L45,33 (12795x164 CON PCN 60 R/B/W/T) L3,45,33,50 **RWY-23**
11713→
RWY-05LL L50 (2700x98 GS) L50 **RWY-23R**
2087→ ←1706

SERVICE - AOE **LGT** - PAPI Rwy 23 MEHT 67'. APAPI Rwy 05L GS 4.0° MEHT 12', APAPI Rwy
23R GS 4.5° MEHT 13'. APAPI is abbreviated (two lgt). APAPI unuse short final Rwy
05L/23R. Rwy 23 apch end has an artificial reference sfc for rdo altimeter. Begins 620' fr
thld and extends for 975' across valley containing road, stream and power lines. **FUEL** -
A1 (Air Total Suisse 0400-2200Z++, fone C41-22-306-6681) Fuel O/R after OPR hours.
(NC-100LL). **FLUID** - De-Ice OX. **OIL** - 0-123-128-148

REMARKS - **RSTD** - No arr 2300-0359Z++. (ETE -1 Hr.) No dep 2300-0359Z++. (ETD -1 Hr.)
Supplemental flt O/R. **NS ABTMT** - Climb track according to SID Rwy 05/23. **MISC** -
Cannon bird haz deterrence sys O/R 0500-2100Z++, ctc APN 121.75. JASU avbl, types
unk. **RWY** - 2200Z-0400Z++ Rwy 05/23 clsd btn thld Rwy 23 and Twy B. Ldg Rwy 05 only,
LDA 7,900. Dep Rwy 23 only, Tora 8,530. Ovft of WIP proh.

COMMUNICATIONS - ATIS - 135.575 124.75 (124.75 Gldr) **APP** - (R) 120.3 121.3 131.325
136.45 (120.3 final) (136.45 trns) **ARR** - (R) 136.25 **TWR** - 118.7 119.7 119.9
GND - (R) 121.675 118.7 119.7 **DEP** - (R) 119.525 **APN** - (R) 121.75 121.85

NAVAIDS - **GENEVA COINTRIN DVORW-DME** - HA 115.750 GVA CH 104(Y) (050/25)
N46°15.24' E6°07.93' 226° 1.4 NM to Fld. 1377°0'15.1'E **GLAND NDB** - MHW 375.000
GLA N46°24.52' E6°14.66' 209° 11.7 NM to Fld. 1350°0'16.5'E **VHF/UHF/DF**

ILS/RADAR - **ILS** SEE TERMINAL FLIP FOR ILS 23 DATA ➔ **ILS-DME** - BRG 046° LCZR INE
110.9 CH 46 GS 3° ■ **RADAR** - ASR - 131.325

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GENOVA SESTRI, (CRISTOFORO COLOMBO) IT LIMJ CIV N44°24.80' E8°50.25' 13

UTC+1(+2DT) **H-7C, L-11D-12E**

RWY-11 L4,5,50

(9564x148 ASP PCN 69 F/A/W/T)

L4,5,12,50 **RWY-29**

←9036

SERVICE - AOE **LGT** - PAPI compul for cir Rwy 11, unuse byd 5.0 DME Rwy 29 LLZ, obst clnc sfc pent by terrain. PAPI Rwy 11 GS 3.3° MEHT 66', Rwy 29 GS 3.2° MEHT 59'. **FUEL** - A1 (Eni S.p.A. avbl 0515-1800Z++, OT 2 hr PN \$100 ea occurrence, C+39-010-651-2726). (NC-100LL). **FLUID** - De-Ice, 40 min PN for hot fluid.

REMARKS - **RSTD** - Twy A-D, G max wingspan 118' . Twy F max wingspan 213'. Max wingspan 213'+ use rwy/twy E. **CAUTION** - Bird act. Wind exceeding 15 Kt fr N sctr and 20 Kt fr S sctr may generate turbulence or windshear and tailwinds on Rwy 11-29 thld. Taxi with ctn and use flw-me car and marshal instr. **NS ABTMT** - APU not auth til 60 min before ETD or 20 min aft ATA. **MISC** - For Special Pro see FLIP Planning AP/2.

COMMUNICATIONS - **ATIS** - 122.825 **APP** - (V) 119.6 119.85 362.3 **TWR** - (V) 118.6 257.8 (257.8 Opr SR-30 to SS+30, OT O/R thru FPL.)

NAVAIDS - **GENOVA SESTRI VORW-DME** - HA 108.600 SES CH 23 (040/25) N44°25.03' E8°49.42' At Fld. 33/(A)0°00.0'E **GENOVA DVORW-DME** - HA 112.800 GEN CH 75 (060/25) N44°25.46' E9°04.92' 265° 10.5 NM to Fld. 2915/(A)0°00.0'E MP 0800-1000Z++ 1st and 3rd Thur. **GENOVA NDB** - MHW 318.000 GEN N44°25.43' E9°05.00' 266° 10.6 NM to Fld. Unk/1°3.0'E MP 0800-1100Z++ 2nd Wed. **VHF/DF**

	GEN VOR-DME MRA 40 NM	360°-090° 11,000'
		090°-145° 8000'
		145°-240° 5000'
		240°-360° 8000'
SES VOR MRA 25 NM		050°-100° 10,000'
		100°-120° 6500'
		120°-220° 3000'
		220°-050° 21,000'
SES VOR-DME unuse		230°-103°
SES VOR-DME use		103°-230° only along publ apch pro rad
GEN NDB MRA 50 NM		050°-110° 15,000'
		110°-260° 6000'
		260°-050° 13,000'

ILS/RADAR - **ILS-DME** 29. Lczz crs is offset 1.52° fr RCL. ■ **RADAR** - ASR - Call RADAR - 119.6 d119.85.

GERMERSHEIM RESERVE STOR ACTIVITY AHP, GM ET-/ET25

A N49°13.20' E8°20.80' (32UMV5242452118) 345 UTC+1(+2DT) **VFR**
(100x95 GRS UH60)

REMARKS - Opr SR-SS. **RSTD** - 1 hr PPR. No prk of acft larger than UH60 at pad. Prk near windsock. Apch S and dep N blw 250' AGL. **CAUTION** - Wire and lgtd poles 30' AGL N and W perimeter. Water twr 132' AGL 800' E. Be alert for jet tfc on lo level Rte 17. **TFC PAT** - Arr and dep 170° or 350° , tfc pat E only. **MISC** - Pad lctd near flag pole. Fone DSN 378-3508/3617 to IDO.

GERMINGHAUSEN, GM DVORW-DME - HA 115.400 GMH CH 101 (060/50)

N51°10.23' E7°53.52' 1821/(A)0°00.0'E **H-6H, L-5B**

GERONA, SP DVORW-DME - HA 114.100 GIR CH 88 N41°55.87' E2°46.32' 197° 1.9 NM to GIRONA. 535/(A)1°00.0'W **NDB** - HW 412.000 GRN N42°01.50' E2°48.43' 197° 7.7 NM to GIRONA. Unk/0°26.8'W **H-15A, L-11C**

GETAFE, (MADRID GETAFE) SP LEGT MIL N40°17.65' W3°43.43' 2029 UTC+1(+2DT)

H-3A-16I, L-11B

(B) **RWY-05** L6,9,33,50

(8136x197 ASP SWL57)

L6,9,38,50 **RWY-23**

←MA-1A UNK (410') HOOK BAK-12A(B) (1499')

HOOK BAK-12A(B) (1499') MA-1A UNK (499') →

RWY-05R

(3018x98 GRE)

RWY-23L

SERVICE - **LGT** - ABn flg W. Rwy 05 SFL O/S til 17 Jul 06 est. **FUEL** - Opr H24 (NC-100LL, J8) **OIL** - 0-117-125-128-133-142-147-148-153-156-157-190-226-238-1236

REMARKS - Opr 0730-2100Z++, OT PPR by FPL before aerodrome clsd.

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COMMUNICATIONS - APP - 127.1 119.95 337.825 (127.1 Opr H24) **TWR - (E)** 138.3 139.3 257.8 279.125 **GND** - 121.6 **MADRID DEP** - Opr H24. 127.1

NAVAIDS - GETAFE TACAN - HA VGE CH 57(Y) N40°17.35' W3°43.63' At Fld.
2029/2°16.1'W **GETAFE NDB/LOM** - MHW 421.000 GE N40°11.99' W3°50.66' 047°
7.9 NM to Fld. Unk/2°17.9'W

ILS/RADAR - ILS-DME 05

GHABA, MU NDB - HHW 326.000 OL N21°18.00' E57°05.00' 443/0°38.3'E This fac is not
apv for IFR opr and does not conform to DGCAM std of maint. Use of this fac is at the risk
of the user and the DGCAM accepts no responsibility for their use. **H-14G, L-20H**

GHADAMES EAST, LY HLTD CIV N30°09.10' E9°42.92' 1122 UTC+1(+2DT)

H-9D, L-14E

(B) **RWY-01** (6516x131 ASP)

RWY-19

←5470

RWY-24

RWY-06 (11811x148 ASP)

COMMUNICATIONS - TWR - 118.1X

NAVAIDS - GHADAMES VORW-DME - HA 115.800 GAD CH 105 N30°09.90' E9°44.53'
240° 1.6 NM to Fld. 992/(A)0°00.0'E **GHADAMES NDB** - HHW 347.000 GDS N30°07.80'
E9°30.10' 083° 11.2 NM to Fld. Unk/0°46.9'E

GHALE MORGHI, IR OIIG MIL N35°38.69' E51°22.84' 3750 UTC+3:30

H-13C, L-17B

RWY-09 (6000x120 ASP)

RWY-27

SERVICE - FUEL - Opr 0430-1130Z, exc Thu and hol. (NC-100LL)

REMARKS - Opr 0400-1230Z. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - TWR - Opr SR-SS. 118.8

GHARDAIA, AG DVORW-DME - L 114.900 GHA CH 96 (200/50) N32°23.60' E3°46.67'
At NOUMERAT. 1588/(A)4°00.0'W **NDB** - MHW 340.000 GHA N32°22.48' E3°47.65'
At NOUMERAT. Unk/0°10.5'W **H-9C, L-13D**

GHAT, LY HLGT CIV N25°08.73' E10°08.56' 2296 UTC+2 **H-11D-12E, L-19C**

RWY-06 (6643x98 ASP)

RWY-24

4978→

RWY-17 L5,10,43 (11811x148 ASP)

L5,10,43 **RWY-35**

REMARKS - Opr SR-SS. **RSTD** - Fst 984' of Rwy 17-35 clsd. Rpt LDA for Rwy 17-35 is 9843'.

COMMUNICATIONS - TWR - 118.1 132.5

NAVAIDS - GHAT NDB - HHW 386.000 GHT N25°11.32' E10°08.27' 174° 2.6 NM to Fld.
Unk/0°31.6'E

GHAZVIN, IR OIIK CIV N36°14.40' E50°02.83' 4184 UTC+3:30 **H-13C, L-17A**

RWY-10 (3670x131 ASP)

RWY-28

SERVICE - FUEL - Opr SR-SS. (NC-100LL, J4) 100LL avbl in 58 gal barrels, J4 avbl in 4.75 gal
tins.

REMARKS - Opr 0400-1230Z. **CAUTION** - Animal haz.

COMMUNICATIONS - INFO - Opr SR-SS. 118.3 121.9

GHAZVIN AZADI, IR OIIA CIV N35°57.13' E50°27.05' 3769 UTC+3:30 **H-7C, L-17A**

RWY-10 (4579x75 ASP)

RWY-28

REMARKS - Opr O/R **RSTD** - CAT A VFR ops only.

COMMUNICATIONS - TWR - 130.175

GHEDI, (A FUSCO) IT LIPL MIL N45°25.93' E10°16.06' 333 UTC+1(+2DT) **H-7C, L-9C**

(B) **RWY-13** L50 (9813x148 ASP)

L33,50 **RWY-31**

9001→

S44 T59 ST175 TT215 TDT680)

←9001

HOOK BAK-12A(B) (1274')

HOOK BAK-12A(B) (1306')

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SERVICE - AOE **LGT** - PAPI Rwy 13, 31 GS 2.6° MEHT 52'. PAPI Rwy 13/31 O/S UFN.
A-GEAR - Bliss Bak 12 Rwy 13/31 avbl 20 min PN. **JASU** - 1(A-3A) 1(U-1000) **FUEL** - 100LL, J8 **FLUID** - LOX LPOX LHOX HPOX **OIL** - O-113-117-128-133-148

REMARKS - Opr 0630-1930Z++ Mon-Thu, 0630-1400Z++ Fri. **RSTD** - PPR 24 hr PN. Auth rqr on FPL. **CAUTION** - Montichiari with similar rwy hdg 2 NM SSE of arpt. Italian Munitions factory lctd on cntrline, aprx 4750' prior to the apch end of Rwy 31. Use ctn as the TAC 31 apch will place acft over the factory at aprx 300' AGL. Rwy 31 is the prim inst rwy. USAFE acft should req to land Rwy 13 and tkof Rwy 31 if favorable environmental cond exist. See AP/2, Chapter 3, IT Flt Haz, for addn info.

COMMUNICATIONS - **GARDA APP** - (R) (E) 124.45 124.25 280.475 362.3
TWR - (E) 122.1 257.8 231.7 **GND** - 369.275

NAVAIDS - **GHEDI TACAN** - HA GHE CH 46 (150/60) N45°26.42' E10°16.60' At Fld. 332/1°19.8'E MP 0800-1000Z++ 2nd and 4th Wed.
GHE TACAN MRA 40 NM 090°-270° 2500'
270°-090° 15,000'

ILS/RADAR - ■ **RADAR** - GCA - 123.3 279.25 344.0 362.0. Avbl 0630-1500Z++ Mon-Thu, 0630-1030Z++ Fri. MP dly 0700-0800Z++ in VMC only.

GHERIAT, LY **NDB** - HHW 337.000 GRT N30°23.68' E13°35.15' Unk/1°24.9'E
H-10E, L-14F

GHRISS, AG **DAOV** CIV N35°12.46' E0°08.83' 1686 UTC+1 **H-9B-15A, L-13D**
RWY-08 (5577x98 ASP) **RWY-26**

REMARKS - Opr 0700-1500Z Sat-Wed.

COMMUNICATIONS - **TWR** - 119.7

NAVAIDS - **GHRISS VORW** - HA 113.100 GRS N35°12.56' E0°08.93' At Fld. 1686/0°59.6'W
GHRISS NDB - MHW 424.000 GRS N35°12.50' E0°09.60' At Fld. Unk/0°59.3'W

GIALLO, LY **NDB** - HHW 273.000 GAL N28°41.63' E21°26.37' Unk/2°18.4'E **NDB** - MHW 261.000 OB N28°41.00' E21°25.00' Unk/2°18.2'E **H-10F, L-20E**

GIARMATA, RO See TRAIAN VUIA

GIBRALTAR, GI **LXGB** MIL/CIV N36°09.07' W5°20.98' 15 UTC+1(+2DT)
H-9B-16H, L-13C

RWY-09 L7,50,53 (6000x150 ASP SWL60) L7,50,53 **RWY-27**
5698→ ←5632
PAAG(B) (1450') PAAG(B) (1500')

SERVICE - AOE **LGT** - PAPI Rwy 09/27 MEHT 31'. **A-GEAR** - PPR **JASU** - 1(A4) 1(E4) 1(E5) 1(E11) 1(E12) **FUEL** - (NC A1) **FLUID** - LOX, GOX **OIL** - O-156-160 MIL-H-5606D

REMARKS - Opr civ 0600-2045Z++, mil 0600-1500Z++ Mon-Thu, 0600-1200Z++ Fri. 24 hr PPR, **RSTD** - Radar svc mand, see FLIP ES Section D for details. Mil arr 0700-1500Z++ Mon-Fri, mil dep 0800-1600Z++ Mon-Fri. Ctc ATC NLT 15 min before eng start for clnc. No eng start before 0700Z++. **CAUTION** - FNA to Rwy 27 offset 10° lt. Visual decision pt for Rwy 09 is on a nstd base leg and rqr an immed rgt turn of 105° to estab on the RCL. Exp turb on FNA to Rwy 09-27. See FLIP ES Section D for details. Exp QFE altimeter settings. Due to unregulated airspace around afld, possibility of unk acft in the immed vcnty. Yachts opr fr marinas N and S of W end Rwy 09. Bird haz. Due to concrete security barriers near apn entrances, acft shall strictly flw twy cntrln on apns. **CSTMS/IMG** - Avbl HO. **MISC** - Ctc APP CON 50 NM out. To avoid damage to rwy sfc, B737/A320 and larger acft ldg Rwy 27, cont to rwy end and make 180° turn at Rwy 09 thld. No designated turning cir at Rwy 27 thld. Main road cros rwy at mid-point. ATC req 3 min PN to clear veh and pers.

COMMUNICATIONS - **APP** - Opr HO. Call RADAR 122.8 264.875 **TWR** - Opr HO (E) 131.2 240.575 264.875 **GIB TALKDOWN** - Opr HO 130.4 235.05

NAVAIDS - **GIBRALTAR TACAN** - HA GBR CH 83 (200/60) N36°08.57' W5°20.56' At Fld. 1397/2°35.6'W Unmto. MP 0900-1300Z++ 2nd Wed. **VHF/UHF/DF**

ILS/RADAR - ■ **RADAR** - ASR - Call TALKDOWN - 130.4 386.625 327.9. MP 0900-1130Z++ 2nd Tue, 0900-0930Z++ ev Tue.

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GIEBELSTADT AAF, (GIEBELSTADT AIRBASE) GM **ETEY A** N49°38.89' E9°57.99'
(32UNV6977099958) 980 UTC+1(+2DT) **VFR, H-6I, L-6H**
(B) **RWY-08 L5** (7005x100 CON PCN 33 R/B/Y/T) L25,16 **RWY-26**
6765→ ←6277

SERVICE - AOE **LGT** - HIRL ltd to 3155'. **JASU** - O/R 3(A1) 3(MD-3) **FUEL** - Avbl Mon-Fri
0700Z++ til termination of afld opr hr. Clsd US and GM hol. J8 **FLUID** - SP

REMARKS - Opr 0600-2200Z++ Mon-Thu, 0600-1700Z++ Fri, clsd GM and US hol. Dur DT
opr hr may be extn for tenant unit ngt trng to 2300Z++. Tenant unit NVG trng SS+30 thru
2200Z (2300Z dur DT). Aft SS+30 PPR all acft. Afld and acft lgt intmt out. **RSTD** - Rwy
08/26 ldg 3155' ngt. Avoid ovft of town of Giebelstadt. **CAUTION** - Acft prk is non-std
along Twy A, Twy B and maint ramp. Day and ngt mrk com twr 120' AGL 1315' N. Civ lgt
acft and glr act wkend and GM hol. Mnt Giebelstadt Info 122.5 dur these periods. Day
and ngt mrk com twr 78' AGL, 1,640' N of midfld. **TFC PAT** - Pat is S, N tfc for R/W only.
R/W 1500', F/W prop up to 14 tons use 2000, all other F/W use 2500. **NS ABTMT** - See
VFR ARR/DEP RTE EUR. **MISC** - OPS fone DSN 352-7323/7454/7425, C09334-87-7454,
fax DSN 352-7623 or C09334-87-7623. OT call CELL C0177-4591557 or 0171-3834755 or
SDO DSN 352-6198. For special VFR pro see VFR ARR/DEP RTE EUR. Veh opr on twy/ramp
not under twr ctl. Wx obsn dur opr hr. Wx briefing full service avbl 0600-2200Z++
Mon-Thu, 0600-1700Z++ Fri; clsd Sat, Sun, US and GM hol. Wx fone DSN 352-7241/7242,
C09334-87-7241/7242. H24 wx svc avbl thru USAFE OWS DSN 496-6145/6146,
C06302-676145/676146.

COMMUNICATIONS - § **PTD** - 33.7 122.5 **ATIS** - Opr H24 111.4

LANGEN RADAR - (R) (E) 135.725 297.9 **TWR** - (E) 31.8 129.85 142.05 309.75

GND - 141.3 278.575 **INFO** - Opr wkends. 122.5 **RDR** - 37.3 139.35 143.3 275.95

372.325 **PMSV METRO** - 140.3 **LANGEN INFO** - 127.975

NAVAIDS - **KITZINGEN VORW** - T 111.400 KTG (025/10) N49°44.75' E10°12.82' 240°
11.3 NM to Fld. 6977(A)1°00.0'W MP 4th working day ea month 0600-0800Z++.

GIEBELSTADT TACAN - HA GBL CH 47 (200/60) N49°38.61' E9°57.01' At Fld.

1022(A)1°00.0'E MP 0800-1000Z++ Fri. **GIEBELSTADT NDB** - MHW 429.000 GBL

N49°38.89' E9°58.84' At Fld. 1020/1°11.6'E Monitored dur twr opr hr.

KTG VOR unuse

270°-020°

GBL TACAN unrel

byd 25NM blw 5000'

ILS/RADAR - **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

LEIGHTON BKS AHP, (WURZBURG) GM **ETOY A** N49°47.34' E9°58.62'
(32UNA7031915629) 873 UTC+1(+2DT) **VFR**
(150x150 CON CH47)

SERVICE - **LGT** - Floodlghts, ldg direction lgt hdg 270°, semiflush perimeter lgt, inset lgt.

REMARKS - Unattended. **RSTD** - OFFL BUS ONLY. PPR thru Giebelstadt OPS. Rwy clsd.

Medevac H24 no PPR, PAX pick-up and discharge only. All RON at Giebelstadt AAF, fone

OPS. **CAUTION** - Twr 270' AGL 1200' N. No ovft of firing range 1.1 NM ESE of helipad.

TFC PAT - Apch 270, dep 090. All tkof/ldg will be made at lgted pad. **NS ABTMT** - Ovft of

Wurzburg, Randesacker, Gerbrunn and the hi rise complex of Heuchelhof is proh blw 2000'

AGL by jet acft and 1000' AGL by prop acft/copters; avoid ovft of other built-up areas. SEE

VFR ARR/DEP RTE EUR. **MISC** - All acft ctc Giebelstadt Twr prior to ldg and aft tkof.

Medevac ctc Wurzburg Hosp 30.75.

COMMUNICATIONS - **PTD** - 33.7 122.5 **GIEBELSTADT TWR** - 31.8 30.1X 142.05 138.75
129.85 277.7 309.75

NAVAIDS - **GIEBELSTADT TACAN** - HA GBL CH 47 (200/60) N49°38.61' E9°57.01' 006°

8.8 NM to Fld. 1022(A)1°00.0'E MP 0800-1000Z++ Fri.

GBL TACAN unrel

byd 25NM blw 5000'

GIESSEN, GM **NDB** - MHW 314.000 GIN N50°38.13' E8°49.16' Unk/0°49.4'E
H-6G, L-5B-6G

GILZE RIJEN, NL **EHGR MIL** N51°34.04' E4°55.91' 49 UTC+1(+2DT) **H-6G, L-5A**
RWY-02 L5 (6549x98 ASP) L5 **RWY-20**
6358→ ←6357
RWY-10 L4,5,41 (9118x148 ASP) L4,5,24,50 **RWY-28**
8691→ ←8787
BAK-14 44B-4H(B) (1261') BAK-14 44B-4H(B) (1973')

SERVICE - **JASU** - 1(DSA 150) 1(JAS) 1(ST-56) **FUEL** - A1+, J8

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REMARKS - Opr 0700-1545Z++ Mon-Fri. PPR H24. **RSTD** - Rwy 02-20 unfit for jet acft, no A-GEAR. F/W 72 hr PPR. Rwy 10 cable O/S. **CSTMS/IMG** - CSTMS avbl - 30 min PN.
MISC - Wx.
COMMUNICATIONS - RAPCON WEST - 123.575 281.475 **TWR** - Outside HO contact Dutch Mil Info 132.35. **(U)** 125.325 369.5 **GND** - Opr HO **(E)** 234.925
NAVAIDS - GILZE RIJEN TACAN - HA GZR CH 111 N51°33.97' E4°56.02' At Fld. 46/0°29.2'W

GINO LISA, (FOGGIA GINO LISA) IT **LIBF** CIV N41°25.98' E15°32.10' 266
UTC+1(+2DT) **L-12F**
(B) **RWY-16** L5,9,50 (4724x148 ASP PCN 65 F/B/W/T) L5,9,12,50 **RWY-34** ←4340

SERVICE - LGT - PAPI Rwy 16 MEHT 49', Rwy 34 MEHT 39'. **FUEL** - Avbl O/R 3 hr PN 0630-1100Z, 1345-1715Z, C+39 0881 650539 UFN. (NC-A1)
REMARKS - Opr 0700-1900Z++. **RSTD** - Ldg ltd to max 118' wingspan and/or 30' outer main gear span. **CSTMS/IMG** - Avbl O/R.
COMMUNICATIONS - AMENDOLA APP - Opr H24. **(E)** 118.85 235.2 362.3
FOGGIA INFO - (E) 120.1

NAVAIDS - FOGGIA VORW - L 114.200 FOG (040/25) N41°25.77' E15°31.88' At Fld. 266/2°18.0'E MP 1000-1200Z++ 1st Wed. **FOGGIA NDB** - MHW 340.000 FOG N41°25.85' E15°31.88' At Fld. Unk/2°18.7'E MP 1000-1200Z++ 2nd Wed.
FOG VOR MRA 40 NM 360°-060° 5000'
060°-100° 2000'
100°-130° 3000'
130°-320° 6000'
320°-360° 3000'
FOG NDB MRA 25 NM 060°-150° 2000'
150°-220° 6000'
220°-300° 8000'
300°-360° 3000'
360°-060° 5000'

GIOIA DEL COLLE, (A RAMIREZ) IT **LIBV** MIL N40°46.07' E16°56.00' 1187
UTC+1(+2DT) **H-15C, L-12F**
(B) **RWY-14L** L6,9,50 (9829x98 ASP SWL66) L6,9,33,50 **RWY-32R**
9439→ ←61QSII SAFEBAR (154' OVRN) HOOK BAK-12B(B) (986') HOOK BAK-12B(B) (1280') 61QSII SAFEBAR (119' OVRN) →
←61QSII SAFEBAR (119' OVRN) →
RWY-14R L6,9,33,50 (9846x148 ASP SWL99) L2,6,9,33,50 **RWY-32L**
9169→ ←9561
←HOOK BAK-12B (69' OVRN) HOOK BAK-12B(B) (808')

SERVICE - AOE LGT - PAPI Rwy 14R GS 2.5°, PAPI RWY 14L MEHT 36', PAPI Rwy 32L GS 2.5°, PAPI Rwy 32R GS 2.8°. **FUEL** - Avbl 24 hr PN. J8. **FLUID** - HPOX LOX. **OIL** - 133-148-156
REMARKS - RSTD - PPR 24 hr PN thru Base OPS. **CAUTION** - Multi obst on/near arpt. Pwr lines cross final apch Rwy 14 w 1NM. **NS ABTMT** - VFR dep Rwy 32 turn ASAP hdg 290° to avoid town of Gioia del Colle.
COMMUNICATIONS - APP - Convl APP svc avbl H24. Rdr APP opr 0630-1830Z++ Mon-Thu, OT 24 hr PN. **(R) (E)** 122.1 130.65 379.525 362.3 **TWR - (E)** 122.1 122.45 257.8 275.325 **GND** - Opr 0715-1515Z++ Mon-Thu, 0715-1145Z++ Fri, OT lcl acft only. 369.475

NAVAIDS - GIOIA DEL COLLE TACAN - HA GIO CH 125 (150/60) N40°48.08' E16°54.08' 144° 2.5 NM to Fld. 1183/2°30.6'E MP 0800-1000Z++ Mon. **GIOIA DEL COLLE NDB** - MHW 328.000 GIO N40°48.01' E16°54.08' 143° 2.4 NM to Fld. Unk/2°30.7'E MP 1000-1200Z++ Mon. **VHF/DF**
GIO TACAN MRA 40 NM 190°-340° 7500'
340°-190° 5500'
GIO NDB MRA 50 NM 125°-135° Unusable
135°-190° 6000'
190°-310° 9000'
310°-125° 6000'

ILS/RADAR - →MLS -32L BRG 318° LCZR M-GIO CH 528 DME 110.9 CH 46X GS 3°.

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GIRONA, (COSTA BRAVA) SP **LEGE** CIV N41°54.06' E2°45.63' 468 UTC+1(+2DT)
H-15A, L-11C
RWY-02 L6,9,12,50 (7874x148 ASP PCN 79 F/D/W/T) L6,9,33,50 **RWY-20**
SERVICE - FUEL - (NC-100LL, A1) **OIL** - 0-125
REMARKS - Opr 0530-2300Z win, H24 sum. **RSTD** - NORDO proh. Cat C and D acft trng flt
proh weekend and hol. **CAUTION** - Bird haz. **NS ABTMT** - Exc tkof and ldg, opr blw
2000' AGL proh for Cat C,D acft wi A/D tfc circuit. If possible, avoid ovflt of urban
nucleus. **CSTMS/IMG** - Avbl.
COMMUNICATIONS - APP - 120.9 **TWR - (V)** 118.5 **GND** - 121.7 **REMARKS**: Eng start
clnc rqr, rpt lctn.
NAVAIDS - GERONA DVORW-DME - HA 114.100 GIR CH 88 N41°55.87' E2°46.32' 197°
1.9 NM to Fld. 535/(A)1°00.0'W **GERONA NDB** - HW 412.000 GRN N42°01.50' E2°48.43'
197° 7.7 NM to Fld. Unk/0°26.8'W **VHF/DF**
ILS/RADAR - ILS-DME 20

GJADER, (GRAMSH) AL **LAGJ** MIL N41°53.71' E19°35.92' 23 UTC+1(+2DT)
H-15D, L-12G
RWY-16 L53 (9186x197 CON PCN 41 R/B/W/T) L53 **RWY-34**
RWY-17 (CLSD 7223x78 CON) **RWY-35**
SERVICE - FUEL - (NC-A1)
REMARKS - RSTD - PPR.
COMMUNICATIONS - TWR - 129.5

GLAND, SZ **NDB** - MHW 375.000 GLA N46°24.52' E6°14.66' 209° 11.7 NM
to GENEVA COINTRIN. 1350/0°16.5'E **H-7B, L-8H-9A**

GLASGOW, UK **EGPF** CIV N55°52.32' W4°25.98' 26 UTC 0(+1DT) **H-2E-3D-5A, L-3C**
RWY-05 L3,4,5,33,50 (8720x151 ASP PCN 65 R/B/W/T) L3,4,5,33,50 **RWY-23**
←7740
RWY-09 L5,50 (3622x151 ASP PCN 20 F/B/X/T) L5,50 **RWY-27**
3419→
SERVICE - FUEL - A1(Conoco Centre, \$160 Fee deliveries less than 665 Gal)
REMARKS - RSTD - PPR for mil acft exc casevac copter. Rwy 05-23, no 180° turns by acft
over 26,500 lb. Rwy 09-27 not avbl for ngt tkof or ldg, dur lo vis pro and acft with wt in
excess of 66,000 lb. Rpt LDA for Rwy 23 is 7720'. **CAUTION** - Unlgt'd obst sur arpt. Bird
haz. **CSTMS/AG/IMG** - Avbl. **MISC** - Oceanic clnc should be req fr Shanwick Oceanic at
least 30 min before dep.
COMMUNICATIONS - ATIS - 129.575 **SHANWICK OCEANIC** - 120.35 **APP - (R)** 119.1
TWR - 118.8 **GND** - Opr 0600-2030Z Mon-Fri; 0900-1900Z Sat, Sun (0500-1930Z) (sum).
121.7
NAVAIDS - GLASGOW VORW-DME - HA 115.400 GOW CH 101 (070/50) N55°52.23'
W4°26.74' At Fld. 37/(A)6°00.0'W (300/70 sctr 245°-005°) Due to terrain, low level
coverage reduced in 350°-030° / 185°-205° **GLASGOW NDB** - MHW 331.000 GLW
N55°52.19' W4°26.02' At Fld. 26/4°50.0'W
GOW VOR/DME unusable 320°-020° byd 35NM below 10,000'
ILS/RADAR - ILS, LOC-DME ■ RADAR - Call RADAR - 119.1 119.3x 121.3x

GLEICHENBERG, AU **NDB** - MHW 426.000 GBG N46°53.22' E15°48.02' 984/2°36.9'E
MP 0800-0930Z 4th Thu. **H-4E, L-10E**

GLISY, FR **LFAY** CIV N49°52.38' E2°23.22' 208 UTC+1(+2DT) **L-7D**
RWY-12 L1,7 (4134x82 ASP S60 T83 ST106 TT180) L1,7 **RWY-30**
SERVICE - LGT - Activate lgt on 123.4 **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0800-1100Z++, 1300-1600Z++ Mon-Fri. OT PPR. **CAUTION** - Aerobatics
SR-SS 1500' to FL 35. Prcht, gldr and ultralgt acft. **CSTMS/IMG** - CSTMS avbl
0700-1700Z++ Mon-Fri. OT 6 hr PN.

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GLOUCESTERSHIRE, UK **EGBJ** CIV N51°53.65' W2°10.03' 101 UTC 0(+1DT) **L-4F**
(B) **RWY-04** L50 (3218x112 ASP) L50 **RWY-22**
←2929
RWY-09 L5,23,50 (4656x112 ASP) L5,23,50 **RWY-27**
4269→ ←3632
RWY-18 (2625x59 ASP) **RWY-36**

SERVICE - LGT - ABn, green coded GO. Rwy 04 APAPI GS 4.5° MEHT 20'; Rwy 22 APAPI GS 3.5° MEHT 23'; Rwy 27 rgt PAPI GS 5.3° MEHT 20' and lt PAPI GS 3.5° MEHT 21'; Rwy 09 rgt PAPI GS 5.3° MEHT 15' and lt PAPI MEHT 42'. **FUEL** - (NC-100LL, A1) **OIL** - 0-117-123-125

REMARKS - Opr 0830-1930Z++ Mon-Fri; 0900-1800Z (0800-1830Z sum) Sat, Sun. OT by arrg. **RSTD** - NORDO proh. Rpt LDA Rwy 09 3783' Rwy 27 3271'. **CSTMS/IMG** - Ltd CSTMS. **MISC** - PPR for inst trng.

COMMUNICATIONS - ATIS - 127.475 **GLOSTER APP - (R)** 128.55
GLOSTER TWR - 122.9 **RADAR** - By arrg. 120.975 **FIRE** - 121.6

NAVAIDS - GLOUCESTERSHIRE DME - L GOS CH 102(Y) N51°53.53' W2°10.08' At Fld. 109/3°07.3'W **GLOUCESTERSHIRE NDB** - MHW 331.000 GST N51°53.52' W2°10.07' At Fld. 111/3°07.3'W **VHF/DF**

ILS/RADAR - ■ RADAR - RADAR - Call RADAR. By arrg. 120.975

GODBY, FI **NDB** - MHW 392.000 GDY N60°11.21' E19°57.27' Unk/5°08.0'E **L-2G**

GOLBASI, TU **NDB** - MHW 315.000 GBI N39°42.75' E32°49.20' Unk/4°30.2'E **H-4H-13A**

GOLENIOW, PL **EPSC** CIV N53°35.08' E14°54.13' (33UVV9352637325) 154
UTC+1(+2DT) **H-5E-8F, L-5GE**
RWY-13 L3,5,13,50 (8202x197 ASP PCN 59 F/A/X/T) L2,3,5,11 **RWY-31**

SERVICE - AOE **FUEL** - Opr 0400-2200Z++ Mon-Fri; O/R 24 hr PPR Sat, Sun and hol. (NC-100LL,A1)

REMARKS - Opr 0400-2200Z++. **CSTMS/IMG** - Opr 0400-2100Z++ **MISC** - 8202x656 grass emerg only ldg strip lctd W side of rwy.

COMMUNICATIONS - SZCZECIN TWR - Opr H24. 118.5

NAVAIDS - SZCZECIN NDB - MHW 397.000 OL N53°33.30' E14°57.61' 309° 2.7 NM to Fld. Unk/2°41.8'E

ILS/RADAR - ILS-DME 31

GOLYAMA, BU **VORW-DME** - HA 114.100 GOL CH 88 N43°05.72' E24°13.23' 1378/(A)2°00.0'E **H-4G, L-12H**

GONDER, (AZEZO) ET **HAGN** CIV N12°31.19' E37°26.04' 6449 UTC+3 **L-20F**
RWY-17 L6 (9072x145 ASP PCN 50 F/D/X/T) L6,A,50 **RWY-35**

REMARKS - Opr 0400-1500Z.

COMMUNICATIONS - GND - 121.9

GOODWOOD, UK **VORW-DME** - HA 114.750 GWC CH 94(Y) (080/50) N50°51.32' W0°45.40' 113/(A)3°49.1'W **H-6F, L-4G,**

GORGAN, IR **OING** CIV N36°54.56' E54°24.08' -24 UTC+3:30 **H-13C, L-17B**
RWY-14 L5 (7540x148 ASP PCN 33 F/C/X/T) L5 **RWY-32**

REMARKS - Opr 0345-1045Z. OT O/R. **RSTD** - PPR 24 hr PN of EOBT.

COMMUNICATIONS - TWR - Opr 0345-1045, OT O/R. 118.75 121.85

NAVAIDS - GORGAN VORW-DME - HA 117.600 GGN CH 123 N36°55.48' E54°22.90' 130° 1.3 NM to Fld. 29/(A)4°00.0'E 1.6 NM to Fld. **GORGAN NDB** - MHW 310.000 GGN N36°54.02' E54°24.46' At Fld. Unk/4°13.4'E

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GORMANSTON, EI **NDB-DME** - MHW 334.000 GMN CH 76 N53°38.89' W6°13.60'
192° 13.7 NM to DUBLIN. 100/5°08.9'W **H-3D-5A, L-3B**

GORNA ORYAHOVITSA, BU **LBGO** CIV N43°09.09' E25°42.77' 285
UTC+2(+3DT) **H-4G, L-12H**
RWY-10 L5,39,50 (8038x148 CON PCN 38 R/C/X/T) L6,50 **RWY-28**
7382→ ←7382
SERVICE - **FLUID** - De-Ice
REMARKS - Opr 0300-1900Z++ OT 8 hr PPR. **CSTMS/AG/IMG** - Avbl.
COMMUNICATIONS - **TWR** - (V) 119.7
NAVAIDS - **GORNA ORYAHOVITSA VORW-DME** - HA 113.600 GRN CH 83 N43°09.23'
E25°42.65' At Fld. 295/4°05.8'E **GORNA NDB/LOM** - HHW 284.000 GRN N43°09.70'
E25°36.77' 098° 4.4 NM to Fld. Unk/4°04.9'E

GOSLY, BE **DVORW-DME** - HA 115.700 GSY CH 104 (030/26) N50°27.23' E4°26.48'
At BRUSSELS SOUTH. 654/0°32.9'W **H-6G, L-5A**

GOTEBORG LANDVETTER, SW See LANDVETTER

GOTEBORG SAVE, SW See SAVE

GOTEM, GM **DVORW-DME** - HA 115.250 GOT CH 99(Y) (060/50) N51°20.59' E11°35.85'
721/(A)1°00.0'E **H-5D-6I, L-5C**

GOULIMINE, MO **VORW** - HA 114.300 GLM N29°00.87' W10°03.90' Unk/4°11.4'W
H-11C, L-13B

GOUNDAM, ML **NDB** - HW 258.000 GM N16°21.03' W3°36.01' Unk/3°20.9'W Opr O/R
to GAGMZTX **L-19B**

GOZO, MT **VORW-DME** - HA 115.700 GZO CH 104 (200/40) N36°02.23' E14°12.32'
532/(A)0°00.0'E MP 0600-1300Z++ 2nd Tue. **NDB** - HW 320.000 GZO N36°02.30'
E14°12.52' Unk/1°50.2'E MP 0600-1300Z++ 2nd Tue. **H-10E-15C, L-14F**

GRACIOSA, PO Azores I **LPGR** CIV N39°05.53' W28°01.79' 86 UTC-1(0 DT) **H-1A, L-1B**
RWY-09 L7,50 (4529x98 CON) L7,9,50 **RWY-27**
4347→ ←4347
REMARKS - Opr 0900-1200Z++, 1400-1700Z++ Mon-Fri. OT O/R 2 hr PN. **RSTD** - VMC
only. **CAUTION** - Bird haz.
COMMUNICATIONS - **RDO** - Opr HO. OT 2 hr PN. 122.9
NAVAIDS - **GRACIOSA NDB** - HHW 428.000 GC N39°05.63' W28°01.85' At Fld.
Unk/11°10.8'W

GRADISTE, YI **NDB** - MHW 324.000 VEG N44°45.44' E21°30.89' Unk/3°35.3'E
H-4F, L-10G

GRAFENWOHR AAF, GM **ETIC** A N49°41.92' E11°56.41' (32UQA1201309280)
1363 UTC+1(+2DT) **VFR, L-6I**
(B) **RWY-14** L2,6,9,14,50 (3300x73 ASP PCN 42 F/A/W/T) L2,6,9,14,50 **RWY-32**
SERVICE - **AOE** **LGT** - Rot Bcn 1.7 NM NW. PAPI Rwy 14 MEHT 18', Rwy 32 MEHT 18'.
ODALS Rwy 32. **FUEL** - Avbl 0500-2100Z++ Mon-Fri, 0630-1500Z++ wkend, OT 24 hr
PPR. 24 hr PPR for CH-47. No fuel for C-130. Fone DSN 475-8370; Fax DSN 475-6249. J8

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REMARKS - RSTD - 24 hr PPR for the flw: Code 7 and abv, all NVD tfc pat trng, RON and wkends. Fone DSN 475-8370, fax DSN 475-6249, C09641-3281. Aflid is in EDR136, ctc with advsy svc is mand outside twr opr hr. Acft trng flt proh 2200-0600Z++ Mon-Fri, H24 wkend and GM hol. GTA AVN Pro Guide and rdo clnc with GRAF RDO rqr for OPS inside ED-R136 (exc for app/dep to GAAF and VILSECK AHP). **TFC PAT** - R/W 2400', F/W 2700'. E only. **NS ABTMT** - See VFR ARR/DEP RTE EUR. **MISC** - Acft carrying VIP code 7 or abv notify Graf Twr/Advsy 15 min prior ldg. DV ramp pro, PAX dropoff and pickup on DV1 and DV2 rstd to F/W acft. Due to fixed objects close to Base OPS, R/W acft rstd to use DV H for PAX dropoff and pickup. All tran pilots sign in at Flt OPS. Tran RON crews responsible for security and tie down/mooring eqpt. Tie down on approved prk spaces only. Waste POL recycling pro are mand. Vis dectection ltd to 425m SE thru 440m SW thru 90m WSW thru 440m W due to obst tree line.

COMMUNICATIONS - § **APP** - 138.25 359.55 **GRAF TWR** - (E) 31.8 141.925 122.1 242.4 **GND** - 141.3 396.8 **GRAF RDO** - 30.4 139.4 336.4 **REMARKS**: Opr 0700-1600Z++ Mon-Wed and Fri; 0700-1400Z++ Thu, US, GM and trng hol; clsd combined US and GM hol; OT wknd 24 hr PPR, wkend and hol 72 hr PPR. **PMSV METRO** - 140.3 **REMARKS**: Full wx svc and PMSV (140.3) avbl dur Twr opr hrs only. DSN 475-8349/6253, C09641-83-8349/6253. H24 WX svc avbl thru 21st OWS. No PMSV capability thru 21st OWS. DSN 496-6145/6146, C06302-67-6145/6146. **GRAF OPS** - 44.55

NAVAIDS - GRAFENWOHR TACAN - HA GRF CH 55 (040/25) N49°41.48' E11°56.30' At Fld. 1385/(A)1°00.0'W MP 0800-1000Z++ Wed. **GRAFENWOHR NDB** - MHW 405.000 GRW N49°41.67' E11°56.50' At Fld. 1542/1°44.3'E GRF TACAN unrel 130°-360° byd 25 NM blw 6000' 360°-130° byd 15 NM blw 6000' -

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA. GRAF RADAR opr 0700-1600Z++ Mon-Wed and Fri, 0700-1400Z++ Thu, GM and trng hol, clsd US and combined GM and US hol.

GRAFENWOHR MEDEVAC PAD, GM **ET-/ET26 A** (1.2 NM NW Grafenwohr AAF) N49°42.49' E11°54.96' (32UQA1023010270) 1360 UTC+1(+2DT) (145x145 ASP UH60)

REMARKS - RSTD - All rstd for Grafenwohr AAF apply. For MEDEVAC orientation and msn only. Ctc GRAF Twr/Advsy prior to entry into GRAF airspace. Ctc GRAF RDO prior to entry into EDR136. Overflow prk S if rqd at pilot's discretion. **CAUTION** - Sports field underlies app/dep path. **TFC PAT** - See VFR Arr/dep. Apch pad to N and dep to S. Avoid ovft of built up areas. **MISC** - Fone DSN 475-8370/6249. Aft SS ctc GRAF Twr/Advsy for helipad lgt.

COMMUNICATIONS - GRAF RDO - (E) 30.4 139.4 336.4 **GRAF TWR** - 31.8 141.925 122.1 386.65

NAVAIDS - GRAFENWOHR TACAN - HA GRF CH 55 (040/25) N49°41.48' E11°56.30' 321° 1.3 NM to Fld. 1385/(A)1°00.0'W MP 0800-1000Z++ Wed. GRF TACAN unrel 130°-360° byd 25 NM blw 6000' 360°-130° byd 15 NM blw 6000' -

VILSECK AAF, GM **ETOI A** N49°38.02' E11°46.03' (32UPA9980901573) 1353 UTC+1(+2DT) **L-61**

RWY-10 L6 (3500x80 ASP PCN 21 F/A/W/T)

L6 RWY-28

REMARKS - Aflid unattended. **RSTD** - Aflid is in EDR-136 sked thru Range Ctl Grafenwohr Trng Area. Clsd to non sked tfc. Drct tfc proh. GTA AVN pro guide brief req thru GTA AVN Trng fone DSN 475-6912/8370/6332. Prim use as the GTA South Staging Area. 5 day PPR for all F/W tfc. Ldg Rwy 28/dep Rwy 10 proh due to proximity of dependent hsg/school. **CAUTION** - Ldg not recommended for C12/U21 acft. FOD possible due to unctl wheel/tracked veh using rwy. 300' twr aprx 1 NM E. Acft often prk on rwy. **TFC PAT** - 200' AGL N tfc only. Apch to SW, dep to NE. **MISC** - Aflid is in EDR136. Open and close FPL, ck wx thru Grafenwohr.

COMMUNICATIONS - GRAF RDO - 30.4 139.4 336.4 **RNG** - 60.0 80.8

NAVAIDS - GRAFENWOHR TACAN - HA GRF CH 55 (040/25) N49°41.48' E11°56.30' 244° 7.5 NM to Fld. 1385/(A)1°00.0'W MP 0800-1000Z++ Wed. GRF TACAN unrel 130°-360° byd 25 NM blw 6000' 360°-130° byd 15 NM blw 6000' -

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VILSECK MAIN AHP, GM **ET-/ET42 A** (1.9 NM NE Vilseck AAF)
N49°38.97' E11°48.34' (32UQA0252403433) 1370 UTC+1(+2DT)
(100x100 ASP UH60)

REMARKS - RSTD - All rstd for GAAF apply. H24 PPR thru GAAF OPS. Ctc GAAF twr/advy at VFR rpt pts and prior to ldg. Dct entry into GTA is not auth. Overflow parking W.
CAUTION - 300' twr 0.25 NM N of Vilseck. **TFC PAT** - See VFR Arr/Dep. Apch pad to SW and dep to NE. Avoid ovft of built up areas. **MISC** - Fone DSN 475-8370/6249. Aft SS ctc GAAF twr/advy for helipad lgt. Open and close FPL, ck wx thru GRAF OPS.

COMMUNICATIONS - GRAF TWR - (E) 31.8 141.925 122.1 242.4

PMSV METRO - 140.3 **REMARKS:** (Fone ETS 475-8349) **GRAF OPS** - 44.55

NAVAIDS - GRAFENWOHR TACAN - HA GRF CH 55 (040/25) N49°41.48' E11°56.30' 245°
5.7 NM to Fld. 1385/(A)1°00.0'W MP 0800-1000Z++ Wed.
GRF TACAN unrel 130°-360° byd 25 NM blw 6000'
360°-130° byd 15 NM blw 6000' -

VILSECK MEDEVAC PAD, GM **ET-/ET30 A** (1.5 NM NE Vilseck AAF)
N49°38.36' E11°47.67' (32UQA0176002280) 1355 UTC+1(+2DT)
(40x40 ASP UH60)

REMARKS - RSTD - All rstd for Grafenwohr AAF apply. For MEDEVAC msn only. Ctc GAAF Twr/Advys at VFR rpt points and prior to ldg. Dct entry into GTA N/A. Overflow prk S if rqr. **CAUTION** - 300' twr 0.25 NM N of Vilseck. Sloping terrain around pad. Ldg pad smaller than std. Field lgt poles in vcnty. **TFC PAT** - See VFR Arr/Dep. Apch pad to NW dep to SE. Avoid ovft of built up areas. **MISC** - Fone DSN 475-8370/6249. Aft SS ctc GAAF Twr/Advys for helipad lgt. Open and close FPL, ck wx thru GAAF OPS.

COMMUNICATIONS - GRAF TWR - (E) 31.8 141.925 122.1 242.4

NAVAIDS - GRAFENWOHR TACAN - HA GRF CH 55 (040/25) N49°41.48' E11°56.30' 242°
6.4 NM to Fld. 1385/(A)1°00.0'W MP 0800-1000Z++ Wed.
GRF TACAN unrel 130°-360° byd 25 NM blw 6000'
360°-130° byd 15 NM blw 6000' -

GRAKALLEN, NO **NDB** - MHW 358.000 GRK N63°25.14' E10°16.13' 082° 18.2 NM
to VAERNES. 1820/0°56.5'E **H-2G, L-1C**

GRAMSH, AL See GJADER

GRAN CANARIA, (GANDO) SP **GCLP** MIL/CIV N27°55.91' W15°23.20' 78
UTC 0(+1DT) **H-11B, L-13A**

RWY-03L L4,5,9,33,50	(10171x148 ASP PCN 65 F/A/W/U)	L4,5,9,38,50 RWY-21R
RWY-03R L4,5,9,33,50	(10171x148 ASP PCN 65 F/A/W/U)	L4,5,9,38,50 RWY-21L
500S-8(B) (1837')		500S-6(B) (984') 500S-6 (66') →

SERVICE - FUEL - (NC-100LL, A1+, J8) **OIL** - O-123-135-142-147-149-150

REMARKS - RSTD - NORDO proh. **CSTMS/IMG** - Avbl **MISC** - Authorized mil tfc Rwy 03R.

COMMUNICATIONS - ATIS - 118.6 **APP** - 120.9 121.3 124.3 362.3 **TWR - (E)** 118.3 125.0
257.8 **GND** - 121.7

NAVAIDS - GRAN CANARIA DVORW-DME - HA 115.000 LPC CH 97 N27°49.71'
W15°25.93' 029° 6.6 NM to Fld. 148/6°12.9'W **GRAN CANARIA DVORW-DME** - HA
112.900 GDV CH 76 N28°04.62' W15°25.74' 173° 9.0 NM to Fld. 758/(A)7°44.9'W
GRAN CANARIA TACAN - HA TGN CH 103 N27°55.41' W15°23.37' At Fld. 78/6°11.6'W
VHF/DF

GDV DVOR-DME unuse	065° byd 125 NM blw 3000'
	200° byd 45 NM blw 4000'
	210°-290° blw FL180
	290°-210° blw 4000'
	307° byd 45 NM blw 3000'

ILS/RADAR - ➔**ILS-DME** 03L - BRG 027° LCZR ILP 109.9 CH 36 GS 3° ➔**ILS-DME** 21R - BRG
207° LCZR RLP 110.7 CH 44 GS 3°

GRANADA, SP **LEGR** CIV N37°11.32' W3°46.64' 1860 UTC+1(+2DT) **H-16I, L-13C**
RWY-09 L6,33,50 (9514x148 ASP PCN 67 F/C/W/T) L6,9,38,50 **RWY-27**

SERVICE - FUEL - (NC- A1+) **OIL** - 0-125-128

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REMARKS - Opr 0600-2115Z++, plus 1 hr PPR. **RSTD** - NORDO proh. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - **TWR** - (E) 118.85 257.8 **GND** - 121.7

NAVAIDS - **GRANADA TVORW-DME** - HA 113.400 GDA CH 81 N37°10.99' W3°59.45' 088° 10.2 NM to Fld. 1991/2°11.0'W MP 1030-1600Z++ dly. **VHF/DF**
GDA VOR/DME Fluctuations may be observed on outbound radials byd 5 NM.

ILS/RADAR - ➔**ILS** - BRG 092° LCZR GRD 109.3 GS 3°

GRANVILLE, FR **LFRF** CIV N48°52.98' W1°33.85' 45 UTC+1(+2DT) **L-7B**
RWY-07 L1,7 (3150x98 ASP S26) L1,7 **RWY-25** ←2707

SERVICE - **LGT** - PCL on 118.1 with PPR prev working day before 1600L, fax C02 33 50 63
11. **FUEL** - (NC-100LL)

REMARKS - Opr HX. **CAUTION** - PJE up to FL155 SR-SS. **MISC** - Trans VFR flt pln to LFRGZPX, LFRDZPX, and LFRSZPX.

GRAZ, (GRAZ INTL) AU **LOWG/LOXG** CIV/MIL N46°59.46' E15°26.38' 1115
UTC+1(+2DT) **H-4E, L-10E**

RWY-17L (2100x98 GRS AUW4) **RWY-35R**
RWY-17R L4,5,50 (9842x148 ASP PCN 61 F/B/W/T) L2,4,5,9,27,50 **RWY-35C**
8989→
RWY-17R (2493x82 GRS AUW11) **RWY-35L**
2001→ ←2001

SERVICE - AOE **FUEL** - Avbl 0400-1900Z++, OT PN. (NC-100LL) A1 **OIL** - 0-113-117-123-132

REMARKS - Opr 0500-2230Z++ **RSTD** - Grass Rwy 17L/R - 35L/R clsd dur win. **NS**
ABTMT - Whenever possible, Ldg Rwy 35C, tkof Rwy 17C.

COMMUNICATIONS - **ATIS** - Opr 0445-2245Z++ 126.125 **APP** - Opr 0445-2245Z++ (R)
(V) 119.3 123.025 **TWR** - Opr 0445-2245Z++ (V) 118.2

NAVAIDS - **GRAZ VORW-DME** - HA 116.200 GRZ CH 109 (060/50) N46°57.32' E15°26.97' 348° 2.2 NM to Fld. 1097/(A)1°00.0'E MP 0800-0930Z++ 3rd Mon. **GRAZ NDB/LOM** - HW 290.000 GRZ N46°55.24' E15°27.54' 347° 4.3 NM to Fld. 1043/2°32.5'E **VHF/DF**

ILS/RADAR - **ILS**

GRAZZANISE, (C ROMAGNOLI) IT **LIRM** MIL N41°03.65' E14°04.92' 29
UTC+1(+2DT) **H-15C L-12F**

(B) **RWY-06** L2,5,33,50 (9813x98 ASP) L5,50 **RWY-24**
9495→ ←9498
←NET BEFAB (158' OVRN) ←HOOK BAK-12A (1056')
HOOK BAK-12A (1053') →NET BEFAB (161' OVRN) →

SERVICE - AOE **LGT** - PAPI Rwy 06, 24 GS 2.6° MEHT 49' **JASU** - 1(U-1000) **FUEL** - J8
FLUID - LOX LHOX avbl 0700-1530Z++ Mon-Thu; 0700-1100Z++ Fri. **OIL** - 0-113-117-133-148

REMARKS - **RSTD** - PPR 24 hr PN. **CAUTION** - Multi twy/prk areas and part of NE parl twy not vis fr twr.

COMMUNICATIONS - **APP** - (E) 140.4 233.975 362.3 **TWR** - (E) 118.025 122.1 257.8 234.65

NAVAIDS - **GRAZZANISE TACAN** - L GRA CH 122 (200/60) N41°03.60' E14°05.32' At Fld. 29/2°02.4'E MP 1400-1500Z++ 3rd Thu. **GRAZZANISE NDB** - MHW 343.000 GRA N41°03.43' E14°05.01' At Fld. Unk/2°02.4'E MP 0900-1100Z++ 3rd Fri.
GRA TACAN MRA 40 NM 030°-160° 9000'
160°-210° 4500'
210°-270° 3000'
270°-320° 11,000'
320°-030° 12,500'
GRA NDB MRA 25 NM 160°-210° 4000'
210°-290° 2000'
290°-160° 8000'

ILS/RADAR - **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA

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GRENCHEEN, SZ **LSZG** CIV N47°10.90' E7°25.03' 1411 UTC+1(+2DT) **H-7C, L-9B**
RWY-07L (1640x98 GRS) **RWY-25R**
1427→ ←1555
RWY-07C L5,50 (3281x75 ASP PCN 44 F/C/Y/T) **L5,50 RWY-25C**
2838→
RWY-07R L53 (2297x66 GRS) **L53 RWY-25L**
1838→
SERVICE - LGT - PAPI is abbreviated (two lgt). Due to obst, apch on APAPI not perms byd 3
NM. APAPI Rwy 07 GS 3.5° MEHT 10', APAPI Rwy 25 GS 3.5° MEHT 18'. **FUEL** - A1,
NC-100LL) Copter PPR.
REMARKS - Opr 0700-2000Z++ OT O/R. **RSTD** - IFR apch perms only after flt with
inspector. **CAUTION** - Intensive glldr act.
COMMUNICATIONS - ATIS - 121.1 **TWR** - HO (V) 120.1 119.7 **GND** - HO 121.8
NAVAIDS - GRENCHEEN DVORW-DME - T 115.450 GRE CH 101(Y) (025/10) N47°10.99'
E7°25.09' At Fld. 1435/0°33.7'E **GRENCHEEN NDB** - MHW 326.000 GRE N47°11.00'
E7°24.88' At Fld. 1411/0°33.7'E **VHF/DF**

GREVEN, GM **NDB/LOM** - MHW 305.000 MST N52°06.61' E7°34.30' 071° 4.4 NM
to MUNSTER OSNABRUCK. Unk/0°21.3'E **H-5C-6H, L-5B**

GROF, IC **NDB** - MHW 319.000 GF N64°08.97' W21°56.50' 197° 1.2 NM to REYKJAVIK.
Unk/17°08.3'W **L-1A**

GROSS DOLLN, GM See TEMPLIN GROSS DOLLN

GROSSENHAIN, GM **EDAK** CIV N51°18.49' E13°33.30' 417 UTC+1(+2DT)
H-5D, L-5D
(B) **RWY-12** (7874x157 CON AUW 12.5) **RWY-30**
7185→ ←5381
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0800-1500Z; (0700-1600Z Mon-Thu, 0700-1800Z Fri-Sun DT), OT PPR.
RSTD - PPR over AUW 12.5 to AUW 31. **CAUTION** - Gldr act.
COMMUNICATIONS - BERLIN INFO - (E) 125.8 **INFO** - 122.7
NAVAIDS - VHF/DF

GROSSETO, (C BACCARINI) IT **LIRS** MIL/CIV N42°45.58' E11°04.32' 15 UTC+1(+2DT)
H-7D-15B, L-12E
(B) **RWY-03** L3,4,5,9,33,50 (9823x148 ASP S60) **L4,5,9,50 RWY-21**
9506→
HOOK BAK-12A(B) (1032') **HOOK BAK-12A(B) (1110')**
RWY-03R (7729x80 ASP) **RWY-21L**
HOOK BAK-12A(B) (727')
SERVICE - AOE LGT - PAPI Rwy 21 GS 3.3°. Calvert Rwy 03 O/S UFN. **JASU** - 1(MC-1)
FUEL - A1, J8 **FLUID** - LHOX LOX **OIL** - O-117-128-148-149 **TRAN ALERT** - Avbl
0700-1500Z++ Mon-Thu, 0700-1030Z++ Fri 10 min PN
REMARKS - Opr SR-30-SS+30 (SS+30-SR-30 for base needs, emerg flts). **RSTD** - PPR 24 hr
PN thru Base OPS. Perms Nr rqr on FPL. Ldg Rwy 03, tkof Rwy 21. Twy E and J clsd WIP.
CAUTION - Bird haz ldg Rwy 03 and tkof Rwy 21 due to garbage dump 8202' prior to Rwy
03 thld and 1969' lt of rwy extn cntrline. Non-std parl twy markings. Twy and apn lgt O/S
UFN. **NS ABTMT** - Rwy hdg to 1000' ASAP. Ovft of Grosseto town proh. **MISC** - GCA
avbl 30 min PN. Tran acft firefighting NATO cat 6 avbl.
COMMUNICATIONS - APP - Opr H24. (R) (E) 122.1 124.525 275.3 362.3 **TWR** - (E) 122.1
128.1 257.8 264.75 **GND** - 280.35

NAVAIDS - GROSSETO TACAN - L GRO CH 28 (040/25) N42°45.62' E11°04.64' At Fld.
75/1°30.0'E MP 1400-1500Z++ 3rd Wed. **GROSSETO NDB** - MHW 406.000 GRO
N42°42.32' E11°01.52' 031° 3.9 NM to Fld. Unk/1°29.3'E MP 1300-1500Z++ 3rd Tue.
GRO TAC MRA
190°-270° MRA 3000' at 40 NM
270°-190° MRA 9000' at 40 NM
300°-140° MRA 10,000' at 30 NM
140°-220° MRA 1500' at 50 NM
220°-300° MRA 3000' at 50 NM
GRO NDB MRA

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ILS/RADAR - ➔ MLS- 03 BRG 030° LCZR M-GRO CH 546 DME 108.35 CH 20Y GS 3°. RADAR-
SEE TERMINAL FLIP FOR RADAR MINIMA.

GROSTENQUIN, FR VORW-DME - HA 111.250 GTQ CH 49(Y) (060/50) N48°59.19'
E6°42.97' 1024/(A)1°0.0'W (100/50 135°-225°) H-6G, L-6G

GROTTAGLIE, (M ARLOTTA) IT LIBG CIV N40°31.05' E17°24.19' 215 UTC+1(+2DT)
H-15C, L-12F

(B) RWY-17 (5610x148 ASP) RWY-35

SERVICE - LGT - PAPI Rwy 17 GS 3.5° MEHT 52.5', Rwy 35 MEHT 49.2'. FUEL - (NC-A1, J5)
(A1 avbl 0800-1700Z++ Mon-Fri) (J5 avbl for mil copter only SR-SS 60 min PN) FLUID -
LPOX OIL - O-113-117-128-133-148-149

REMARKS - Opr 0700-1900Z++ Mon-Fri, 0700-1500Z++ Sat, Sun. CAUTION - Fr Rwy 17
thld, fst 787' has med/poor brkg dur hvy rain due to sfc deterioration. Lgt crane 119' AGL,
2700' left of Rwy 35 just byd apch end.

COMMUNICATIONS - APP - Opr 0700-1900Z++ (E) 118.7 122.1 257.8 TWR - Opr
0700-1900Z++ (E) 118.7 257.8

NAVAIDS - VDF O/S UFN. GROTTAGLIE NDB - MHW 331.000 GRT N40°26.76' E17°25.33'
349° 4.4 NM to Fld. Unk/2°36.0'E MP 0700-0900Z++ 1st Mon. VHF/DF
GRT NDB MRA 25 NM 230°-330° 7000'

GRUDZIADZ, PL DVORW-DME - HA 114.600 GRU CH 93 N53°31.27' E18°46.88' 193°
30.8 NM to TORUN. 295/(A)2°00.0'E H-8F-2H-5E, L-2G-21B

GSTAAD, SZ See SAANEN

GUADALAJARA, SP See ROBEDILLO DE MOHERNANDO

GUEMAR, AG DAUO CIV N33°30.68' E6°46.61' 203 UTC+1 H-9D, L-14E

RWY-02 (6562x98 ASP PCN 64 F/A/W/T)
RWY-13 L7 (9843x148 ASP PCN 57 F/A/W/T)

RWY-20
L7 RWY-31

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0600-SS+30, OT 24 hr PN to DAUOYDYD.

COMMUNICATIONS - EL OUED RDO - Opr H24 8894 EL OUED TWR - Opr H24 119.7

NAVAIDS - EL OUED VORW-DME - HA 117.600 ELO CH 123 (200/40) N33°30.63'
E6°46.83' At Fld. 236/(A)2°00.0'W EL OUED NDB - MHW 358.000 ELO N33°30.38'
E6°47.27' At Fld. Unk/0°28.1'E

GUERNSEY, GK EGJB CIV N49°26.10' W2°36.12' 336 UTC 0(+1DT) H-3C, L-7B

RWY-09 L4,5,33,50 (4800x148 ASP PCN 22 F/B/Y/T)
4767➔

L4,5,33,50 RWY-27
←4767

SERVICE - FUEL - (NC-100LL, A-1) OIL - O-117-123

REMARKS - Opr 0630-2100Z++. RSTD - PPR for hard apn prk 44(0)1481-237766 ext 2131.
NS ABTMT - Jet acft use 0800-2000Z++ only. MISC - Ldg fees.

COMMUNICATIONS - ATIS - 0545-2100Z++ 109.4 APP - 0545-2100Z++ (R) 128.65
TWR - Opr 0545-2100Z++ 119.95 GND - Opr 0930-1700Z Jul-Sep Sat, Sun and as drct by
ATC. 121.8

NAVAIDS - GUERNSEY VORW-DME - HA 109.400 GUR CH 31 (060/50) N49°26.23'
W2°36.12' At Fld. 355/(A)4°00.0'W (080/50 022°-067°) GUERNSEY NDB - MHW 361.000
GUY N49°26.19' W2°36.11' At Fld. Unk/2°52.9'W GUERNSEY NDB - MHW 361.000 GRB
N49°26.07' W2°38.37' 089° 1.5 NM to Fld. Unk/2°53.7'W VHF/DF

ILS/RADAR - ➔ILS - BRG 091° LCZR I-UY 108.1 GS 3°. Full scale fly-up indications may not be
maint when blw and left of cntrline. ➔ILS - BRG 271° LCZR I-GH 108.1 GS 3°. GP fluctuation
may be experienced btn 1NM and 2NM fr thld. ■ RADAR - Call RADAR - 118.9 124.5

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GUIDONIA, (A BARBIERI) IT **LIRG** MIL N41°59.42' E12°44.45' 289 UTC+1(+2DT) **L-12E**
RWY-04 (3937x197 GRS) **RWY-22**
RWY-18 (4797x98 ASP SWL12) **RWY-36**
NET BEFAB (426' OVRN) →

SERVICE - JASU - 1(A-3A/B) 1(U-1000) **FUEL** - 100LL, J8 **FLUID** - LHOX **OIL** -
O-117-125-156.

REMARKS - Opr 0700Z-SS+30 (0600-1800Z sum). Non-based acft req 24 hr PN and PPR Nr
on flt plan. **RSTD** - Rwy 18 tkof only, Rwy 36 ldg only. Rwy 04-22 avbl for based acft only.
MISC - Special VFR pro, see FLIP PLANNING AP/2. 24 hr PPR. Report authorization Nr on
flt plan.

COMMUNICATIONS - TWR - (E) 122.1 122.2 142.35 257.8

NAVAIDS - GUIDONIA NDB - MHW 388.000 GUI N41°59.98' E12°44.33' At Fld.

Unk/1°49.2'E MP 1000-1200Z 2nd Mon. **VHF/DF**
GUI NDB MRA 160°-270° 3000' at 25 NM
270°-160° unuse

GUIPAVAS, FR **LFRB** CIV N48°26.87' W4°25.11' 325 UTC+1(+2DT) **H-3C, L-7A**
RWY-07L (2297x59 ASP) **RWY-25R**
RWY-07R L4,5,50 (10171x148 ASP PCN 45 F/C/W/T) L2,3,4,5,10,50 **RWY-25L**
←9187

SERVICE - AOE **LGT** - PAPI Rwy 07R MEHT 78', PAPI Rwy 25L MEHT 75'. **FUEL** - Avbl
0400-2100Z++ Mon-Fri, 0400-1900Z++ Sat, 0500-2100Z++ Sun and hol. OT PPR before
2100Z++ Mon-Fri, Sun; before 1900Z++ Sat. Fone C02 98 32 01 78, fax C02 98 32 01 23.
(NC-100LL, A1)

REMARKS - CAUTION - Pilot jet trng, acrobatic and model acft act. Do not mistake Rwy 25
with Rwy 26 at Landivisiau lctd 11 NM NE. Marked cranes aprx 1600' SSW midfield 135'
AGL, 460' MSL **RWY** - Use of intermediate turnaround area lmt to acft with wheelbase of
49' or less.

COMMUNICATIONS - ATIS - Opr HO. 129.35 **IROISE APP** - Opr HO. (R) 135.825
119.575 **LANDI APP** - When Iroise S/CTA is active. (R) 122.4 **TWR** - Opr HO. 120.1

NAVAIDS - GUIPAVAS NDB - MHW 387.000 BGP N48°26.68' W4°24.99' At Fld.

Unk/3°23.9'W **GUIPAVAS NDB** - MHW 338.000 GU N48°28.66' W4°17.13' 251° 5.6 NM
to Fld. Unk/3°21.0'W **VHF/DF**

ILS/RADAR - ILS

GULL, NL **NDB** - MHW 383.500 GUL N50°48.44' E5°53.73' 492/0°06.2'W **H-6H**

GULLFAKS, NO **NDB-DME** - HW 333.000 GFC CH 83(Y) N61°12.90' E2°16.42'
312/2°51.5'W **H-2F, L-1B**

GUNNARN, SW See STORUMAN

GURIAT, SA **OEGT** CIV N31°24.72' E37°16.77' 1672 UTC+3 **H-13A-16G, L-16G**
RWY-10 L6,50 (10007x147 ASP PCN 59 F/A/W/T) L6,12,50 **RWY-28**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0730-1430Z. **RSTD** - PPR. PN 3 hr for non-sked. Fone C04-642-4664, telex
827049 ICKFAF SJ, fax 04-642-5600.

COMMUNICATIONS - CTAF - 122.8 **CRASH SVC** - 133.5 **REMARKS** - 15 min prior ETA

NAVAIDS - GURIAT VORTACW - HA 114.700 GRY CH 94 N31°24.76' E37°17.19' At Fld.
1816/(A)2°00.0'E

GUTERSLOH, GM **ETUO** MIL N51°55.37' E8°18.38' 236 UTC+1(+2DT)

VFR, H-5C-6H, L-5B
(B) **RWY-09** L5,41,50,54 (7388x150 ASP TT323) L5,33,50,54 **RWY-27**

SERVICE - AOE **LGT** - Rwy 09 edge lgt unsvc UFN. **FUEL** - J8 **OIL** - O-123-128-155

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REMARKS - Opr 0700-1600Z++ Mon-Fri. **RSTD** - All acft (incl VIP) 48 hr PPR. Non VIP mil F/W acft rqr 7 day PPR avbl thru GUTERSLOH AIS on GUT MIL extn 2571, acceptance not guaranteed. **CAUTION** - Ints copter opr N and NW dispersal and grass areas. All other apn and dispersal areas are subj to unctl veh tfc and should be avoided. **MISC** - Ltd fac for mil copter only.

COMMUNICATIONS - **APP** - (R) (E) 389.275 **TWR** - 130.5 279.025
LANGEN INFO - (R) (E) 123.525

GUVERCINLIK, TU LTAB MIL N39°56.10' E32°44.45' 2694 UTC+2(+3DT)

H-4H-13A, L-15B

(B) **RWY-06** L6,12,50 (6635x98 ASP SWL30) L6,12,50 **RWY-24**
RWY-09 L6 (CLSD 2854x98 ASP SWL30) L6 **RWY-27**

SERVICE - **FUEL** - A1 I, (Total/Petrol Ofisi) C+90-212-465-7700

REMARKS - **CAUTION** - Ldg unsafe to Rwy 09. **MISC** - The Etimesgut NDB/DME Rwy 29 apch is used for VFR ldg at Guvercinlik.

COMMUNICATIONS - **TWR** - 129.0 132.0

GWADAR, PK OPGD CIV N25°14.00' E62°19.77' 36 UTC+5 L-18H

RWY-06 (4960x75 ASP PCN 17 F/C/Y/T) **RWY-24**

SERVICE - **AOE**

REMARKS - Opr 0410-0500Z++, 0900-1045Z++ Mon; 0345-0505Z++Tue; 0400-0520Z++ Wed; 0400-0520Z++, 1040-1200Z++Thu; 1040-1200Z++ Fri; 0420-0550Z++, 0900-1045Z++ Sat; 0400-0520Z++, 1040-1200Z++ Sun. til 29/10/06. OT 24 hr PN.

COMMUNICATIONS - **TWR** - (V) 122.5 250.9

NAVAIDS - **GWADAR NDB** - HW 303.000 GD N25°13.67' E62°19.83' At Fld. 82/0°48.0'E
Opr HS

GYOR PER, HU LHPR CIV N47°37.63' E17°48.50' 424 UTC+1(+2DT) H4-E, L-10F

RWY-12 L6 (4757x98 ASP PCN 28 F/A/X/U) L6,12,50 **RWY-30**
RWY-12L (3720x140 GRE) **RWY-30R**

SERVICE - **FUEL** - (NC-100) A1.

REMARKS - Opr 0600-1600Z++ **CSTMS/IMG** - CSTMS avbl PN rqr.

COMMUNICATIONS - **AFIS** - 129.9 **BUDAPEST INFO** - 125.5

NAVAIDS - **GYOR VORW-DME** - HA 115.100 GYR CH 98 N47°39.55' E17°43.46' 116°
3.9 NM to Fld. 515/(A)2°00.0'E **GYOR NDB** - HHW 354.000 GYR N47°39.60' E17°43.08'
115° 4.2 NM to Fld. Unk/3°05.0'E

HAAMSTEDE, NL VORW - HA 114.150 HSD (080/50) N51°43.36' E3°51.49'

4/0°52.3'W **H-6G, L-5A**

HABIB BOURGUIBA INTL, TS DTMB CIV N35°45.48' E10°45.28' 9

UTC+1(+2DT) **H-9D-10E, L-14F**

(B) **RWY-07** L7,9A,50,51,55 (9678x148 ASP PCN 50 F/B/Y/U) L5,9,50,55 **RWY-25**

SERVICE - **AOE** **FUEL** - Avbl 0500-1700Z++. (NC-100LL, A1)

REMARKS - Opr 0700-1600Z Mon-Fri; (0600-1200Z Mon-Fri DT; 0700-1300Z Mon-Fri Ramadan.) **CAUTION** - Est WIP til 31 Dec 05. Crane 98' near arpt.

COMMUNICATIONS - **MONASTIR ATIS** - 113.1 **BOURGUIBA APP** - 119.3
BOURGUIBA TWR - (V) 118.3

NAVAIDS - **MONASTIR VORW-DME** - HA 113.100 MON CH 78 N35°45.30' E10°44.88'
At Fld. 32/(A)0°13.7'W

ILS/RADAR - ➔**ILS** - BRG 073° LCZR MIS 109.9 GS 3°

HABSHEIM, FR LFGB CIV N47°44.48' E7°25.93' 788 UTC+1(+2DT) L-6G

RWY-02 (3281x66 ASP S65) **RWY-20**
←3036

SERVICE - **FUEL** - Avbl 0700-1100Z++, 1230-1630Z++ Mon-Thu, 0700-1700Z++ Fri.
(NC-100LL)

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REMARKS - Opr 0800Z++-SS+30. (0800-1130Z++, 1300-1840Z Mon-Fri, 0800-1840Z Sat, Sun hol sum)

COMMUNICATIONS - TWR - 125.25

NAVAIDS - BALE MULHOUSE VORW-DME - HA 117.450 BLM CH 121(Y) (040/25)
N47°37.97' E7°29.97' 337° 7.1 NM to Fld. 886/(A)0°00.0'E **BALE MULHOUSE NDB** -
MHW 353.000 BN N47°39.70' E7°28.74' 338° 5.1 NM to Fld. Unk/0°33.6'E

HADERSLEV, DA EKHV PVT N55°18.13' E9°31.35' 81 UTC+1(+2DT) **L-2E**

RWY-10 (3675x76 ASP AUW12)

RWY-28

REMARKS - RSTD - PPR fone C+45 74 52 86 40.

COMMUNICATIONS - RDO - Opr HO. 122.225

HAFR AL-BATIN, SA See QAISUMAH

HAGFORS, SW ESOH CIV N60°01.20' E13°34.73' 474 UTC+1(+2DT) **L-2F**

RWY-18 L5,33,50 (4951x98 ASP PCN 8 F/B/X/T)

L5,33,50 **RWY-36**

SERVICE - FUEL - Opr 0500-0900Z++, 1500-1900Z++ Mon-Fri. (NC-100LL A1)

REMARKS - RSTD - PPR for IFR t/c. **NS ABTMT** - Avoid overfl of Rada and Uddeholm towns. **CSTMS/IMG** - CSTMS avbl. **MISC** - Ldg fees, Increased charges outside fuel opr hr. Afld admin fone C+46 (0)563 60368, AFIS fone C+46 (0)563 60175.

COMMUNICATIONS - AFIS - Opr O/R. (V) 122.225

NAVAIDS - VHF/DF

ILS/RADAR - ILS-DME - BRG 175° LCZR IHF 110.1 CH 38 GS 3° LOM HT 345.

HAGSHULT, SW ESMV MIL N57°17.53' E14°08.23' 556 UTC+1(+2DT) **H-2G, L-2F**

RWY-04 L5,50 (6726x131 ASP)

L5,33,50 **RWY-22**

←J-BAR UNK (525' OVRN)

SERVICE - LGT - PAPI Rwy 04, 22 GS 2.86°.

REMARKS - Opr HX. **RSTD** - PPR thru Ronneby fone C+46 (0)457 47 10 00.

COMMUNICATIONS - APP - Opr estab by MIL NOTAM. (V) 132.25 **TWR** - Opr estab by MIL NOTAM. (V) 136.25 **BASE OPS** - Opr O/R thru Ronneby. 132.25

NAVAIDS - VHF/DF

HAGUENAU, FR LFSH CIV N48°47.66' E7°49.06' 491 UTC+1(+2DT) **L-6G**

RWY-03 (3264x59 ASP S26)

RWY-21

RWY-03L

(3159x262 GRs)

←2706

RWY-21R

←2634

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr SR-SS.

HAHN, GM See FRANKFURT HAHN

HAIFA, (U MICHAELI) IS LLHA MIL/CIV N32°48.57' E35°02.58' 28 UTC+2(+3DT) **L-16F**

(B) **RWY-16** L5,9,50 (4324x98 ASP PCN 13 F/C/X/U)

L5 **RWY-34**

4160→

←3944

SERVICE - FUEL - (NC-100LL, A1 PPR thru ARKIA Ph. 04-8476167)

REMARKS - Opr 0430-2100Z++ Sun and Tue, 0400-2130Z++ Mon and Wed, 0430-2130Z++ Thu and Sat, 0430-2030Z++ Fri. **RSTD** - Avoid refinery S of arpt. PPR for intl flt btn 0430-1630Z++. The only auth use is by emerg acft and copters ldg/dep USN ships in port at Haifa. **CAUTION** - WIP. **CSTMS/IMG** - Avbl PPR. **RWY** - Rwy 16 LDA 3865', TORA/TODA 4029'. Rwy 34 LDA 3563', TORA/TODA 3940'.

COMMUNICATIONS - TWR - Opr 0430-2030Z++ 133.0 127.8 **GND** - 127.8

NAVAIDS - HAIFA NDB - HW 323.000 HFA N32°48.94' E35°03.81' 244° 1.1 NM to Fld. Unk/3°46.7'E

B-184 AIRPORT/FACILITY DIRECTORY

HAIL, SA **OEHL** CIV N27°26.28' E41°41.18' 3331 UTC+3 **H-14F, L-16G-20G**
(B) **RWY-18** L6,46 (12204x148 ASP PCN 32 R/C/W/T)

L6,46 **RWY-36**
←11040
UNK (EOR) →

←UNK (265' OVRN)

SERVICE - FUEL - Opr HS. (NC-A1)

REMARKS - Opr SR-SS.

COMMUNICATIONS - CTAF - Opr 1800-0400Z. 122.8 **GND** - Opr H24. 121.9 335.3

INFO - Opr 0400-1800Z. (E) 118.7 237.6 **FIRE RESCUE SVC** - 133.5 **REMARKS**: Ctc 15 min prior ETA. **SAUDIA RDO** - Opr HS. 131.5

NAVAIDS - HAIL DVORTACW - HA 113.500 HIL CH 82 N27°25.50' E41°40.97' At Fld.

3324/(A)2°00.0'E

HIL VORTAC unuse

240°-340° byd 25 NM blw FL 100

ILS/RADAR - ➔ILS-DME - BRG 181° LCZR I-HIL 110.3 CH 82 GS 3°.

HAIMA, MU **VORW-DME** - HA 113.300 HAI CH 80 N19°58.22' E56°16.85' 463/(A)0°00.0'E
Unmto. **H-14G, L-20H**

HALAIFA, SA **VORW-DME** - HA 116.700 HLF CH 114 N26°26.05' E39°16.15'
3835/(A)2°00.0'E **H-14F, L-20F**

HALLE OPPIN, (OPPIN) GM **EDAQ** CIV N51°33.12' E12°03.16' 347 UTC+1(+2DT)
L-5D

(B) **RWY-11** L7
3478→

(3675x98 ASP PCN 55 R/B/W/T)

L7,50 **RWY-29**
←3478

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0700-1700Z Mon-Fri; 0800-1700Z Sat, Sun, hol (1 Nov-28 Feb);

0600-SS+30/1800Z Mon-Fri; 0700-SS+30/1800Z Sat, Sun, hol (1 Mar-31 Oct). OT PPR.

CAUTION - Gldr, PJE, and ultra-lgt acft act. **CSTMS/AG/IMG** - CSTMS, IMG avbl O/R 24 hr before arr/dep. **MISC** - Sod parl strip N of rwy.

COMMUNICATIONS - BERLIN INFO - (E) 125.8 **BERLIN RADAR - (R) (E)** 124.175

OPPIN INFO - 135.15

HALLI, FI **EFHA** MIL N61°51.36' E24°47.20' 479 UTC+2(+3DT) **H-2H, L-1D**
RWY-08 L5,38 (8533x197 ASP PCN 34 F/B/X/T) L5,30,50 **RWY-26**
←NET UNK (50' OVRN) HOOK UNK (2625') NET UNK (47' OVRN) →

SERVICE - FUEL - (NC-100LL).

REMARKS - Opr HO. **RSTD** - PPR. 24 hr PN fone C358-3-1816 6430. **CSTMS/IMG** - Avbl PPR. **MISC** - Ldg fees. Class D Airspace eff twr hrs, OT Class G.

COMMUNICATIONS - ATIS - Opr H24. 115.2 **APP - (R) (V)** 124.55 119.7 **TWR - (V)** 128.9 119.7

NAVAIDS - HALLI DVORW-DME - HA 115.200 HAL CH 99 N61°51.28' E24°48.16' At Fld.

484/7°29.6'E **VHF/DF**

ILS/RADAR - ➔ILS - BRG 260° LCZR HA 109.9 GS 3° LOM KV 385 LCTR I 412. ■ **RADAR** - ASR

- Call RADAR - 124.55 119.7. Opr HO 0600-1400Z Mon-Thu 0600-1200Z Fri. PAR - Call

PRECISION 119.7 124.125. Opr HO by arng 0600-1400Z Mon-Thu, 0600-1200Z Fri,

HALLVIKEN, (STROMSUND HALLVIKEN) SW **ESNA** CIV N63°44.30' E15°27.50' 1119
UTC+1(+2DT) **L-1C**

RWY-14
2625→

(3281x131 ASP)

RWY-32

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr HX. **CAUTION** - Uneven rwy edge. **MISC** - Lctd in mt area. Ctc flt club for ops, fone C0670-400 86.

COMMUNICATIONS - STROMSUND FLT CLUB - 123.55

HALMSTAD, SW **ESMT** CIV (SWAF) N56°41.47' E12°49.21' 101 UTC+1(+2DT)
H-2G-5D, L-2F

RWY-01 L5,12,50

(7419x131 ASP PCN 45 F/C/X/T)

L5,11,50 **RWY-19**

AIRPORT/FACILITY DIRECTORY B-185

SERVICE - LGT - PAPI Rwy 01 GS 3.25° MEHT 55.8', Rwy 19 MEHT 50.8'. **FUEL** - (NC 100LL, A1)

REMARKS - Opr 0450-2105Z++ Mon-Wed; 0515-2105Z++ Thu-Fri; 0715-0800Z++, 1200-1235Z++ Sat; 1015-1045Z++, 1325-1735Z++, 1805-2105Z++ Sun. OT PPR. **RSTD** - Compl PPR for IFR school and trng flt. **CSTMS/IMG** - Avbl. **MISC** - Ldg fees, increased charges outside opr hr. PPR fone: C035 18 26 00.

COMMUNICATIONS - TWR - (V) 130.1 135.05

NAVAIDS - VHF/DF

ILS/RADAR - ➔**ILS** - BRG 184° LCZR MT 110.1 GS 3° LOM LT 336

HAMADAN, IR **OIHH** CIV N34°52.15' E48°33.15' 5755 UTC+3:30 **H-13C, L-17A**
RWY-10L5,12 (10611x148 ASP PCN 50 F/D/Y/T) **L5 RWY-28**
9624➔

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0400Z-SS. **CAUTION** - Animal haz.

COMMUNICATIONS - TWR - (V) 123.5 121.9

NAVAIDS - HAMADAN VORW-DME - HA 117.900 HAM CH 126 N34°52.01' E48°33.04'

At Fld. 5755/(A)3°0.0'E **HAMADAN NDB** - HW 317.000 HAM N34°51.95' E48°32.44'

At Fld. 5755/3°59.0'E

HAM VOR-DME unuse

byd 30 NM 110°-130° blw 13,000'

byd 30 NM 130°-150° blw 15,000'

byd 30 NM 150°-210° blw 16,000'

byd 30 NM 210°-240° blw 19,000'

byd 30 NM 240°-250° blw 17,000'

byd 30 NM 250°-270° blw 14,000'

byd 40 NM 360°-060° blw 12,000'

byd 40 NM 060°-070° blw 11,500'

byd 40 NM 070°-100° blw 11,000'

byd 40 NM 100°-110° blw 10,500'

byd 40 NM 270°-290° blw 11,000'

byd 40 NM 290°-360° blw 10,500'

HAMADAN MIL, IR **OIHS** MIL N35°12.70' E48°39.21' 5609 UTC+3:30 **H-13C, L-17A**
RWY-05 (12915x148 ASP) **LA,43 RWY-23**

NET UNK (165' OVRN)

BAK-11 UNK (4185')

RWY-13L5 (CLSD 14625x148 ASP)

L5A RWY-31

RWY-13RL5,50 (14300x148 ASP)

L5A,50 RWY-31L

62NI UNK (615' OVRN) BAK-11 UNK (3700')

BAK-11 UNK (2560')

SERVICE - FUEL - (NC-100LL, J4)

REMARKS - RSTD - PPR.

COMMUNICATIONS - NOGEH APP - (R) 119.1 125.45 134.1 353.8 385.4 361.1 344.0

317.5 **NOGEH TWR** - 123.3 257.8 275.8

NAVAIDS - HAMADAN MIL VORTACW - HA 115.400 HAB CH 101 N35°10.83' E48°42.48'

301° 3.3 NM to Fld. 5613/(A)3°0.0'E **HAMADAN MIL NDB** - HHW 329.000 HAB

N35°12.00' E48°40.00' 313° 1.0 NM to Fld. 5613/4°03.0'E **UHF/DF**

HAB VORTAC unuse byd 40

030°-080° blw 11,500'

DME

080°-160° blw 10,000'

160°-170° blw 11,000'

170°-220° blw 13,000'

220°-240° blw 11,500'

240°-030° blw 12,000'

HAMAR/STAFSBERG, NO **NDB** - HHW 371.000 HAA N60°49.05' E11°04.21'
Unk/1°21.5'E **H-2G,L-1C**

HAMBURG, (FUHLSBUTTEL) GM **EDDH** CIV N53°37.82' E9°59.29' 53 UTC+1(+2DT)
H-5D, L-5C

(B) **RWY-05** L2,4,5,9,39,50

(10663x150 ASP PCN 65 F/A/W/T)

L2,3,4,5,9,12,50 **RWY-23**

9685➔

←10151

RWY-15 L2,4,5,9,39,50

(12028x150 ASP PCN 65 F/A/W/T)

L2,4,5,9,11,50 **RWY-33**

←10564

B-186 AIRPORT/FACILITY DIRECTORY

SERVICE - AOE **LGT** - PAPI Rwy 05 MEHT 69', PAPI Rwy 23 MEHT 59', PAPI Rwy 15 MEHT 65', PAPI Rwy 33 MEHT 62'. **FUEL** - Avbl 0500-2200Z++ (NC-100LL, A1). OT 2hr O/R.

REMARKS - **RSTD** - No tkof or ldg btn 2200-0500Z++ exc sked and reg non-sked acft with reg arr times before 2200Z++, if delays unavoidable ldg and tkof perms til 2300Z++. Tkof other acft til 2130Z++. **CAUTION** - Const on sfc of Rwy 15/33. Rstd and chg will occur by NOTAM. 88' crane 4330' prior to Rwy 23 thld 919' NW of extn cntrl. **MISC** - Fone C(040) 50-75-25-99.

COMMUNICATIONS - **ATIS** - Opr 0420-2200Z++ **(E)** 123.125 **DIRECTOR** - **(R)** **(E)** 118.2 124.625 242.4 **TWR** - (121.275 Opr SR-SS, OT O/R.) **(E)** 126.85 278.45 **GND** - 121.8 Initial call and eng start. **BREMEN RADAR** - **(R)** **(E)** 134.25 124.225 242.4 East Radar 2 and 3 of BREMEN ACC **APRON** - 121.7 121.75 (121.7 Apron 1)(121.75 Apron 2)

NAVAIDS - **HAMBURG DVORTACW** - HA 113.100 HAM CH 78 (060/50) N53°41.13' E10°12.30' 246° 8.4 NM to Fld. 187/(A)1°00.0'E **ALSTER DME** - T ALF CH 105 (025/10) N53°38.12' E9°59.65' At Fld. 66/1°05.5'E **HAMBURG NDB/LOM** - MHW 339.000 HOS N53°40.62' E10°04.99' 230° 4.4 NM to Fld. Unk/1°07.2'E **HAMBURG WEST NDB/LOM** - MHW 350.500 FU N53°34.53' E9°52.55' 050° 5.2 NM to Fld. Unk/1°03.2'E **HAMBURG NORTH NDB/LOM** - MHW 323.000 GT N53°42.85' E9°55.46' 155° 5.5 NM to Fld. Unk/1°03.9'E **VHF/UHF/DF**

ILS/RADAR - **ILS, LOC-DME** ■ **RADAR** - ASR - Call Hamburg Director - 118.2

HAMBURG FINKENWERDER, GM **EDHI** PVT N53°32.15' E9°50.22' 22

UTC+1(+2DT) **H-5D, L-5C**

RWY-05 L2,4,5,9,23,50 (8629x148 PEM)

L2,4,5,9,23,50 **RWY-23**

8288→

←6155

SERVICE - **LGT** - PAPI Rwy 05 GS 3.1'. **FUEL** - (NC-A1)

REMARKS - **RSTD** - PPR H24. Fone C040-7437-2228. **CAUTION** - Dng of hydroplaning off asphalt portion of rwy. 2 mobile cranes btn 725' and 1280' prior to rwy 23, 820' S of extn rwy cntrl 122' high. **CSTMS/AG/IMG** - Avbl PPR C040-7426643, 74372228. **MISC** - Fst 4482' Rwy 23 conc.

COMMUNICATIONS - **ATIS** - 123.125 **BREMEN RADAR** - **(R)** **(E)** 124.225 134.25 242.4 **FINKENWERDER TWR** - 123.25X 277.425X **BREMEN INFO** - 125.1 340.6

ILS/RADAR - ➔**ILS-DME** - BRG 231' LCZR HRW 108.5 CH 22 GP 3°. ➔**ILS** - BRG 051' LCZR IHFE 110.7 GS 3.1'. ■ **RADAR** - ASR - Call Hamburg Director - 118.2 299.85

HAMEENKYRO, FI **EFHM** CIV N61°41.38' E23°04.42' 449 UTC+2(+3DT) **L-1D**

RWY-07 (3000x45 ASP)

RWY-25

2578→

←2605

REMARKS - Opr HX.

COMMUNICATIONS - **RDO** - 123.15

HAMM, GM **DVORW-DME** - HA 115.650 HMM CH 103(Y) (040/50) N51°51.41' E7°42.50' 237/(A)0°00.0'E (040/50 157°-112°; 60/50 112°-157°) **H-5C-6H, L-5B**

HAMMAM BOU HADJAR, AG **NDB** - MHW 432.000 HMB N35°21.78' W0°58.13' Unk/1°17.4'W **H-9B-15A-16I, L-13D**

HAMMAR, SW **DVORW-DME** - HA 112.600 HMR CH 73 (100/50) N60°16.76' E18°23.49' 102/(A)3°00.0'E 150/50 315°-045°. Interference fr 180°-220° of few sec duration can be mistaken for over head indication **H-2G, L-1C-2G**

HAMMELBURG, GM **NDB** - MHW 403.000 HAB N50°05.58' E9°46.89' Unk/1°07.6'E **H-6I, L-6H**

HAMMERFEST, NO **DVORW-DME** - T 112.400 HMF CH 71 N70°42.25' E23°41.44' 1254/(A)7°00.0'E **H-1C, L-1D**

HAMMOND BKS AHP, GM See COLEMAN AAF

AIRPORT/FACILITY DIRECTORY B-187

HANAU AAF, GM **ETID** A N50°10.15' E8°57.70' (32UMA9725757443) 368

UTC+1(+2DT) **VFR, L-6H**

(B) **RWY-10** L5,9

(3007x75 ASP PCN 9 R/A/W/T)

L5,9,42,43 **RWY-28**

SERVICE - AOE **FUEL** - Avbl 0630-1600Z++ Mon-Fri (cold refuel only). Non-tenant acft 24 hr PPR. 48 hr PPR for over 500 gal. Fone DSN 322-7611. J8

REMARKS - Opr 0630-2100Z++ Mon-Fri, Fone DSN 322-7611. Unattended weekends, US hol, USAREUR tng hol. Clsd GM hol. 72 hr PPR for U.S. and GM hol. **RSTD** - OFFL BUS ONLY. PPR 72 hr for US and GM hol. PPR by 1000Z++ duty day prior for flw opr: Sat, Sun opr. Acft flt/gnd opr btn 1200-1400Z++ (Quiet hr strictly enforced), C130/C160 opr. No practice inst/radar apch aft 2100Z++. Twr ramp for pickup/drop-off only code 7 or abv.

CAUTION - Lit ant twr 100' high, 1300' N of Rwy 28/10. **TFC PAT** - 800' R/W, 1300' F/W. **NS ABTMT** - Mand pro - See VFR ARR/DEP RTE EUR. **CSTMS/IMG** - CSTMS avbl 0630-1530Z++ Mon-Fri, OT 48 hr PPR. **MISC** - WX full svc 0600Z++ til twr clsd, Wx fone: DSN 322-7416, C06183-51-7416, Fax DSN 322-7324, C06183-517324. Durg non-fct hr call USAFE (OWS) DSN 496-6145/6/7, C0632-676145/6/7. Wx obsn ltd 165°-270° due to bldg and tower.

COMMUNICATIONS - § **LANGEN ARR - (R) (E)** 120.8 118.45X 127.275X 277.8

TWR - 37.6 142.45 275.35 **GND** - 141.3 313.55 **LANGEN DEP - (R) (E)** 136.125 120.15X 126.55X 372.85 **CTAF** - 122.1 **REMARKS**: mnt wkend and hol **PMSV METRO** - 40.35 Full svc dur wx fcst hr **PTD** - 31.8

NAVAIDS - **HANAU NDB** - MHW 432.000 HNU N50°09.75' E9°09.25' 273° 7.4 NM to Fld. 397/0°56.5'E Unmto dur non opr hr.

ILS/RADAR - **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

HANKO, FI **EFHN** CIV N59°50.93' E23°05.01' 20 UTC+2(+3DT) **H-2H, L-2G**

RWY-03 L55

(5249x59 ASP)

L55 **RWY-21**

4593→

←4593

REMARKS - Opr HX. **CAUTION** - Gldr act with winch launches to 2700' AGL.

COMMUNICATIONS - **RDO** - 123.6

HANNOVER UIR/UTA, GM See MAASTRICHT UACC (EUROCONTROL) or LIPPE
RADAR

HANNOVER, GM **EDDV** CIV N52°27.66' E9°41.10' 183 UTC+1(+2DT) **H-5D, L-5C**

(B) **RWY-09L** L2,3,4,5,9,11,50

(12467x148 CON PCN 68 R/B/W/T)

L2,3,4,5,9,11,50 **RWY-27R**

11483→

←11483

RWY-09C

(2559x74 ASP AUW12.5)

RWY-27C

2345→

←2018

RWY-09R L2,4,5,9,11,50

(7677x148 CON PCN 68 R/B/W/T)

L2,4,5,9,11,50 **RWY-27L**

SERVICE - AOE **LGT** - PAPI Rwy 09L MEHT 61', PAPI Rwy 27R MEHT 54', PAPI Rwy 09R MEHT 64.3', PAPI Rwy 27L MEHT 54.8'. **FUEL** - H24. Gen Avn 0500-2100Z++, OT O/R. (NC-100LL, A1)

REMARKS - **RSTD** - Jet trng rstd to 0900-1200Z++, 1500-1800Z++ Mon-Fri. **CAUTION** - Numerous cranes vcnty of rwy all quad. **NS ABTMT** - Mand pro, See VFR ARR/DEP RTE EUR. **MISC** - Fone C(0511) 977-0. **RWY** - Rwy 09L-27R rptd LDA 10,498', Rwy 09C-27C rptd LDA 1,804'.

COMMUNICATIONS - **ATIS** - Opr 0320-2320Z++. 132.125 60NM/FL200 **REMARKS**: (115.2 DLE) **DIRECTOR - (R) (E)** 119.6 259.725 **TWR - (E)** 120.175 120.225 374.95

GND - (E) 121.95 **BREMEN RADAR** - 131.325 **BREMEN INFO** - 119.825 376.4

NAVAIDS - **HANNOVER DME** - T HAD CH 86(Y) (018/3) N52°28.13' E9°41.69' At Fld.

184/1°01.8'E **HANNOVER DME** - T HBD CH 116 (025/10) N52°27.32' E9°39.56' At Fld.

171/1°3.0'E DME unlocks on 092° at 7-10 NM and on 272° at 2-3 NM and 130°-140°,

165°-175°, 225°-245°. **HANNOVER NDB/LOM** - MHW 332.000 HAE N52°27.46' E9°34.04'

087° 4.3 NM to Fld. Unk/0°59.3'E **HANNOVER NDB/LOM** - MHW 320.000 HA

N52°27.85' E9°48.30' 268° 4.4 NM to Fld. Unk/1°03.9'E **HANNOVER NDB/LOM** - MHW

358.000 HW N52°28.11' E9°32.79' 095° 5.1 NM to Fld. Unk/0°58.9'E **UHF/DF**

ILS/RADAR - **ILS**

B-188 AIRPORT/FACILITY DIRECTORY

HARRY, SW DVORW - L 117.500 HAR (060/25) N57°49.50' E12°41.61' Unk/(A)1°00.0'E
H-2G, L-2F

HARSTAD/EVENES, NO See EVENES

HARVEY BARRACKS, GM See KITZINGEN AAF

HASSAKEH, SY NDB - HHW 365.000 HAS N36°28.97' E40°45.27' Unk/4°26.3'E Opr HS,
OT O/R. **H-13B, L-15C**

HASSAN I, (LAAYOUNE HASSAN I) WI GMMIL MIL/CIV N27°09.10' W13°13.15' 207
UTC 0 **H-11B-C, L-13A-19A**
(B) **RWY-02** L5,50 (8861x148 ASP PCN 40 F/B/W/T) L5,50 **RWY-20**
RWY-04 L5,50 (8202x148 ASP PCN 27 F/B/W/T) L5,50 **RWY-22**
SERVICE - AOE **LGT** - ABn lctd on ctl twr. **FUEL** - (NC-100LL, A1)
REMARKS - **RSTD** - NORDO proh. **CAUTION** - Bird haz.
COMMUNICATIONS - **LAAYOUNE APP** - (V) 127.5 **LAAYOUNE TWR** - (V) 131.1
NAVAIDS - **LAAYOUNE VORW-DME** - HA 112.100 LAY CH 58 N27°08.57' W13°13.08'
At Fld. 223/(A)6°00.0'W
ILS/RADAR - **→ILS-DME** - BRG 026° LCZR AUN 110.7 CH 44 GS 3°

HASSFURT SCHWEINFURT, GM EDQT CIV N50°01.08' E10°31.77' 718
UTC+1(+2DT) **L-6H**
(B) **RWY-11** L7,50 (3609x66 ASP AUW12.5) L7,50 **RWY-29**
SERVICE - **LGT** - PAPI both rwy GS 3.5°. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0900Z-SS Tue-Sun, (0800-SS/1800 Mon-Sun sum) OT PPR. Fone C(09521)
94990, 1848. **RSTD** - Ctc INFO 5 min prior to afld. Do not overfly town of Hassfurt.
CAUTION - Glider winch launching, PJE. **CSTMS/IMG** - Avbl O/R 2 hr 1000-1800Z++.
MISC - Ovrrs can be used for tkof.
COMMUNICATIONS - **MUNCHEN INFO** - 125.8 **INFO** - 119.8 15 NM 3000 ft AGL

HASSI KHEBI, AG NDB - HW 261.000 HKI N29°11.00' W5°16.00' Unk/2°36.9'W
H-9A-11B, L-13C

HASSI MESSAOUD, AG VOR-DME - HA 114.700 HME CH 94 (200/50) N31°39.86'
E6°08.17' At OUED IRARA. 463/0°16.2'E **NDB** - MHW 390.000 HMD N31°38.93'
E6°08.30' 005° 1.4 NM to OUED IRARA. Unk/0°16.2'E **H-9C, L-14E**

HASVIK, NO ENHK CIV N70°29.20' E22°08.38' 21 UTC+1(+2DT) **L-1D**
RWY-11 L1,5,38,50 (3179x98 ASP PCN 15 F/B/X/U) L1,5,38,50 **RWY-29**
2980→ ←2817
SERVICE - **LGT** - PAPI GS 4.5°. Single flg lgt at apch lgt crossbars both rwys.
COMMUNICATIONS - **INFO** - Opr 0420-1600Z++ Mon-Fri,1250-1530Z++ Sun 119.9
NAVAIDS - **HASVIK NDB** - MHW 386.000 HK N70°29.39' E22°07.95' At Fld. Unk/8°20.1'E

HAUGESUND/KARMOY, NO See KARMOY

HAVERFORDWEST, (WITHYBUSH) UK EGFE CIV N51°49.98' W4°57.67' 159
UTC 0(+1DT) **H-3C, L-3B-4E**
(B) **RWY-03** L7,50 (5000x148 ASP) L7,50 **RWY-21**
4255→ ←4163
RWY-09 (3412x148 ASP) **RWY-27**
2625→ ←2723
SERVICE - **LGT** - ABn green coded HW. PAPI Rwy 03,21 GS 3.5° MEHT 15'. **FUEL** -
(NC-100LL, A1) **OIL** - 0-123-125
REMARKS - Opr 0915-1630Z++ Mon-Fri exc hol, OT by arng. **RSTD** - PPR.
CSTMS/AG/IMG - By arng. **MISC** - Ldg fees.

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COMMUNICATIONS - RDO - 122.2

NAVAIDS - HAVERFORDWEST DME - T HDW CH 114(Y) N51°49.92' W4°58.21' At Fld.
201/4°13.5'W **HAVERFORDWEST NDB** - MHW 328.000 HAV N51°49.91' W4°58.09'
At Fld. Unk/4°13.5'W

HAWARDEN, UK **EGNR** CIV N53°10.68' W2°58.67' 45 UTC 0(+1DT)

H-3D-5A, L-3C, T-2F

(B) **RWY-05** L5,20,50
5718→

(6702x148 ASP PCN 66 R/D/X/T)

L5,20,50 **RWY-23**
←5718

SERVICE - LGT - PAPI Rwy 05 GS 3.5° MEHT 47'. **FUEL** - Avbl by prior arng only. (NC-100LL, A1)

REMARKS - Opr 0630-1900Z++ Mon; 0730-1900Z++ Fri; 0930-1600Z++ Sat, Sun. **RSTD** - PPR. NORDO proh. **CAUTION** - EGR311 lctd 5 NM N of afld.

COMMUNICATIONS - APP - (R) 123.35 **TWR** - 124.95 336.325

NAVAIDS - VHF/DF

ILS/RADAR - ➔ILS-DME - BRG 042 LCZR I-HWD 110.35 CH 40(Y) GS 3°. ➔**ILS-DME** - BRG 225° LCZR I-HDN 110.35 CH 40(Y) GS 3°. ■ **RADAR** - RADAR - Call RADAR - 130.25. Avbl dur APP hr.

HAWTAH, (AL HAWTAH) SA **OEHW** PVT N22°58.07' E46°53.97' 2091 UTC+3

H-14F, L-20G

RWY-15 L6,50

(8497x98 ASP)

L6,50 **RWY-33**

COMMUNICATIONS - CTAF - 122.8 **AG** - Call DISPATCH. Opr SR-SS. 138.25

NAVAIDS - HAWTAH NDB - MHW 405.000 HAW N22°56.92' E46°54.67' 328° 1.3 NM to Fld. Unk/2°10.9'E

HAYMANA, TU **NDB-DME** - HHW 350.000 HAY CH 55 N39°26.25' E32°30.58' 4242/4°25.9'E **H-4H-13A, L-15B**

HEATHROW, UK **EGLL** CIV N51°28.65' W0°27.68' 83 UTC 0(+1DT) **H-6F, L-4G**

RWY-09L L3,4,5,33,50
11792→

(12799x164 ASP PCN 83 F/A/W/T)

L3,4,5,33,50 **RWY-27R**

11792→

RWY-09R L3,4,5,33,50
10988→

(12001x148 ASP PCN 83 F/A/W/T)

L3,4,5,33,50 **RWY-27L**

SERVICE - AOE **FUEL** - A1 (Aviation Fuel Svc Ltd) fone C 44 (0)20 8759 1363, fax C 8564-7748.

REMARKS - RSTD - PPR. Rwy 05 no longer avbl. Rwy 23 avbl for tkof only by propeller acft less than 52,910 lb, PPR. Rpt LDA Rwy 09L is 11,795', Rwy 27R is 12745', and Rwy 09R is 11001'.

COMMUNICATIONS - ATIS - Opr 0320-2300Z++. 128.075 113.75 115.1 121.85

APP - Call Director **(R) (V)** 119.725 120.4D 127.525D 134.975D **TWR - (V)** 118.5 118.7

124.475D (118.7 Opr 0700-2200Z, (0600-2200Z sum), O/T as drct.) **GND** - Opr HO 121.7

121.9 **CLNC DEL** - Opr 0630-2200Z (0530-2200Z sum). 121.975

NAVAIDS - LONDON VORW-DME - HA 113.600 LON CH 83 (040/50) N51°29.23' W0°28.00' At Fld. 110/(A)3°00.0'W (80/50 257°-317°, 100/50 182°-257°)

ILS/RADAR - ➔ILS-DME - BRG 093° LCZR I-AA 110.3 CH 40 GS 3° ➔**ILS-DME** - BRG 093° LCZR I-BB 109.5 CH 32 GS 3° ➔**ILS-DME** - BRG 273° LCZR I-LL 109.5 CH 32 GS 3° ➔**ILS-DME** - BRG 273 LCZR I-RR 110.3 CH 40 GS 3° ■ **RADAR** - ASR - Call RADAR - **(V)** 127.525

HEDE HEDLANDA, SW See HEDLANDA

HEDLANDA, (HEDE HEDLANDA) SW **ESNC** CIV N62°24.53' E13°44.83' 1460 UTC+1(+2DT) **L-1C**

RWY-06
2625→

(3281x115 ASP)

RWY-24

REMARKS - Opr HX.

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HEHLINGEN, GM **DVORW-DME** - HA 117.300 HLZ CH 120 (080/50) N52°21.80'
E10°47.71' 413/(A)1°0.0'E (80/50 180°-270°; 60/50 270°-180°) **H-5D, L-5C**

HEIDELBERG AHP, GM **ETIE A** N49°23.60' E8°39.12' (32UMV7474371241) 358

L1 UTC+1(+2DT) **VFR**

(50x50 CON UH60)

L1

SERVICE - LGT - ACTIVATE bdry lgts 142.2 **FUEL** - Not avbl.

REMARKS - ADVSY 0500-2100Z++, unattended wkend and US hol. **RSTD** - OFFL BUS ONLY. Rwy clsd perm. Apch and dep to helipad only. Only permitted flts R/W UH-60 and smaller, VFR only with 24 hr PPR fr Army Flight Operations Detachment at DSN C373-6201 or comm C+49-(0)-6221-17-6201. RON proh. No APU runs over 5 min. No eng start before PAX arr. No hover ops adj to bldg 201. **CAUTION** - Unlgtd fence 280' fr helipad on apch/dep path. Fencing all areas of afld incl adj to and across clsd rwy. Fencing in close proximity to prking pads and taxi areas. **TFC PAT** - Clsd tfc proh. Remain S of clsd rwy 08/26. **NS ABTMT** - See VFR ARR/DEP RTE EUR. **MISC** - Aircrews are responsible for security of their acft. Automated wx obsn and remote flt briefing avbl 0500-1900Z++ via ETOR wx. Fone DSN 382-4555/5166, C0621-779-4555/5156. Clsd wkend, US, GE and USAREUR trng hol. Remote wx briefing avbl 24 hr from 21st Ops Wx Sq (OWS) fone DSN 496-6145/6 or C06302-67-6145/6. Check NOTAMs for tmpry chnges in briefing and obsn hrs of ops. Wx sensor at 30' AGL.

COMMUNICATIONS - § **ADVSY** - 122.1 142.2 **REMARKS**: Rpt arr CRPs and dep from helipad on 122.1 or 142.2 with intentions. **PMSV METRO** - 45.05 140.3

NAVAIDS - HEIDELBERG NDB - MHW 417.000 HDL N49°23.16' E8°35.81' 079° 2.2 NM to Fld. 345/0°48.4'E MP 1200-1400Z++ Fri.
HDL NDB unuse 060°-090° byd 19 NM all alt

HEIDRUN, NO **NDB-DME** - HW 340.000 HEI CH 97(Y) N65°19.53' E7°18.95'
263/0°42.1'W **L-1C**

HEKA, FI **NDB** - MHW 344.000 HEK N60°15.29' E25°29.47' Unk/7°20.8'E **H-2H, L-1D**

HELGAPELL, IC **NDB** - MHW 345.000 HL N63°25.45' W20°16.92'
At VESTMANNAEYJAR. Unk/15°49.0'W **DME** - T HL CH 44 N63°25.22' W20°16.33'
At VESTMANNAEYJAR. 587/15°48.6'W **L-1A**

HELGOLAND, GM **VORW-DME** - HA 116.300 DHE CH 110 (060/50) N54°11.14'
E7°54.64' 44/(A)0°00.0'E (200/50) Heavy course roughness, partly byd tolerances. Opr coverage 202°-045°.
DHE VORW-DME unuse 250°-280° byd 25 NM blw 2000
250°-280° byd 55 NM blw 7000'
250°-280° byd 70 NM blw 9000'

H-5C, L-2E

HELMHOLTZ, GM **NDB** - MHW 347.000 DBR N52°28.10' E13°17.72' 086° 4.0 NM to TEMPELHOF. Unk/2°09.2'E Helmholtz NDB unsafe. **L-5D**

HELSINKI MALMI, (MALMI) FI **EFHF** CIV N60°15.27' E25°02.57' 57 UTC+2(+3DT)
L-1D

(B) **RWY-09** L5,50 (3360x98 ASP PCN 18 F/C/X/T) L5,38,50 **RWY-27**
←3232
RWY-18 L5,24,50 (4396x98 ASP PCN 18 F/C/X/T) L5,50 **RWY-36**
3740→ ←3805

SERVICE - LGT - Rwy 27 apch lgt end 197' prior to thld. PAPI Rwy 18-36 and Rwy 09-27 GS 4°. **FUEL** - Avbl 0600-1600Z++ Mon-Fri; 0900-1300Z++ Sat, Sun; OT 2 hr PN. (NC-100LL, A1)

REMARKS - Opr HO. **RSTD** - Flt OPS proh 2100-0500Z++. Rwy 09 TODA 3550', Rwy 36 TODA 4577'. **CAUTION** - Model acft, glldr and prcht act. **CSTMS/IMG** - Avbl with 1 hr PN. **MISC** - Ldg fees. Class D Airspace eff twr hrs, OT Class G.

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COMMUNICATIONS - MALMI ATIS - Opr 0600-1900Z++ Mon-Sun. 122.7

MALMI TWR - Opr 0700-1900Z++ Mon-Fri; 0700-1630Z++ Sat; 0900-1900Z++ Sun. (V)
131.25 119.7X **MALMI GND** - 121.6

NAVAIDS - HELSINKI DVORW-DME - HA 114.200 HEL CH 89 N60°20.27' E24°57.22' 147°
5.7 NM to Fld. 239/(A)5°00.0'E **PORVOO DVORW-DME** - HA 112.800 PVO CH 75
N60°17.66' E25°35.31' 255° 16.5 NM to Fld. 121/(A)5°00.0'E **VHF/DF**

HELSINKI VANTAA, FI **EFHK** CIV N60°19.03' E24°57.80' 179 UTC+2(+3DT)

H-2H, L-1D

RWY-04L L3,4,5,10,50 (10039x197 ASP PCN 75 F/A/W/U) L4,5,33,50 **RWY-22R**

RWY-04R L4,5,33,50 (11286x197 ASP PCN 102 F/B/W/T) L3,4,5,10,50 **RWY-22L**

10499→

RWY-15 L3,4,5,33,50 (9518x197 ASP PCN 108 F/B/W/T) L4,5,38,50 **RWY-33**

SERVICE - AOE **LGT** - PAPI Rwy 33 GS 3.5°. **FUEL** - (NC-A1) **FLUID** - De-Ice

REMARKS - CAUTION - Run-up aprn in tech area; loose asp FOD. When ldg Rwy 33,
Helsinki-Malmi arpt lies 3 NM prior to thld and can be mistaken for Helsinki-Vantaa.

MISC - Ldg fees. Class C Airspace. **RWY** - Rwy 15 rptd LDA 9127'.

COMMUNICATIONS - ATIS - 114.2 135.075 (135.075 ARR)(114.2 DEP, HEL VOR-DME)

APP - (R) (V) 119.1 119.9 129.85 119.7X 124.325 (119.9 124.325 119.7x ARRIVAL)

TWR - (V) 118.6 118.85 119.7X **GND** - 121.8 **CLNC DEL** - Opr 0400-2200Z++ dly.

118.125 **RMP** - Call APN. 121.65 **PMSV METRO** - 125.1

NAVAIDS - HELSINKI DVORW-DME - HA 114.200 HEL CH 89 N60°20.27' E24°57.22' 160°
1.3 NM to Fld. 239/(A)5°00.0'E **KORSO NDB/LOM** - MHW 322.000 KOR N60°22.33'
E25°04.10' 224° 4.6 NM to Fld. Unk/7°12.8'E **ESPOO NDB** - MHW 381.000 ESP
N60°14.90' E24°47.78' 043° 6.5 NM to Fld. Unk/7°04.5'E **VHF/DF**

ILS/RADAR - ILS SEE TERMINAL FLIP FOR ILS 04R, 15, 22L DATA ➔ **ILS** 04L - BRG 041°
LCZR HTV 111.9 GS 3° ➔ **ILS-DME** 22R - BRG 221° LCZR HUO 110.7 CH 44 GS 3° ■ **RADAR**
- ASR - Call RADAR - (V) 119.1 129.85 119.7x

HEMAMVA, SW **ESUT** CIV N65°48.37' E15°04.97' 1503 UTC+1(+2DT) **H-1C, L-1C**

RWY-15 L5,9,50 (5254x98 ASP PCN 18 F/B/X/T) L5,34,50 **RWY-33**

5057→

SERVICE - LGT - PAPI Rwy 15 GS 3.5° MEHT 40', Rwy 33 MEHT 26.2'. **FUEL** - Avbl O/R.

(NC-100LL, A1)

REMARKS - Opr 0700-1500Z++ Mon-Fri, 1200-1800Z++ Sun. **CAUTION** - Arpt sur by mt.
Hvy turb and down draft may occur in the vcnty of the arpt when wind is abv 20 kt in all
directions. **CSTMS/IMG** - Opr O/R. **RWY** - Rwy 15 rpt TORA 4770', Rwy 33 rpt TORA
4829'. Rwy 15 rpt LDA 4574', Rwy 33 rpt LDA 4347'.

COMMUNICATIONS - AFIS - Opr O/R, fone C+46 (0)954 305 30. (V) 122.97

ILS/RADAR - ➔ILS-DME - BRG 330° LCZR IUT 110.1 CH 38 GS 3° LCTR SUT 342

HENRI COANDA, (OTOPENI) RO **LROP** MIL/CIV N44°34.33' E26°06.13' 314
UTC+2(+3DT) **H-4G, L-10I**

RWY-08L L2,3,4,5,10,50 (11484x148 ASP PCN 87 R/D/W/T) L4,5,39,50 **RWY-26R**

RWY-08R L2,3,4,5,10,50 (11484x148 ASP PCN 88 R/D/W/T) L4,5,39,50 **RWY-26L**

SERVICE - AOE **LGT** - PAPI Rwy 08R and 26L GS 2.7°. **FUEL** - A1+ (Air BP Inc.,
C+40-(0)21-202 47 48). (NC-100LL).

COMMUNICATIONS - OTOPENI ATIS - 118.5 **BUCURESTI APP - (R)** 118.25 120.6

OTOPENI TWR - 120.9 121.85 (120.9 Rwy 08R/26L)(121.85 Rwy 08L/26R)

OTOPENI GND - 121.7

NAVAIDS - FLORESTI VORW-DME - HA 112.200 FLR CH 59 N44°30.05' E25°42.49' 071°
17.4 NM to Fld. 384/4°16.1'E **STREJNIC VORW-DME** - HA 113.200 STJ CH 79
N44°55.11' E25°58.62' 161° 21.5 NM to Fld. 545/4°22.2'E **OTOPENI NDB** - HW 370.000
OTL N44°34.22' E26°00.04' 084° 4.4 NM to Fld. Unk/4°19.5'E **OTOPENI NDB** - HW
349.000 OPE N44°34.48' E26°12.68' 264° 4.7 NM to Fld. Unk/4°21.6'E **OTOPENI NDB** -
HW 267.500 OPW N44°33.46' E25°59.08' 076° 5.1 NM to Fld. Unk/4°19.3'E

ILS/RADAR - ILS-DME - 8L, 8R, 26L, 26R

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HENTON, UK **NDB** - MHW 433.500 HEN N51°45.58' W0°47.42' Unk/2°34.2'W
H-6F, L-4G

HERAT, AF **OAHR** MIL/CIV N34°12.60' E62°13.70' 3206 UTC+4:30 **H-13D, L-17D**
RWY-18 (8218x150 ASP PCN 39 F/A/W/T) **RWY-36**

REMARKS - **RSTD** - Ovft of mil camp and N of twr is proh.

COMMUNICATIONS - **TWR** - Opr SR-SS. 24 HR PPR rqr for ISAF, NATO, and ISAF/NATO related. (E) 118.1 240.3

HERICOURT, FR **NDB** - MHW 289.000 HR N47°33.70' E6°43.94' 152° 5.1 NM
to COURCELLES. Unk/0°21.3'E **H-7C, L-6G**

HERINGS DORF, (GARZ) GM **EDAH** CIV N53°52.72' E14°09.14' 93 UTC+1(+2DT)
H-5D, L-2F

(B) **RWY-10** L5,23,50 (7562x115 ASP PCN 38 F/A/X/T) L5,23,50 **RWY-28**
RWY-19 (1969x98 GRS) **RWY-28L**

SERVICE - **LGT** - PAPI Rwy 10-28 MEHT 51'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700Z-1600Z or SS; (0600-1800Z DT), OT PPR. **RSTD** - PPR to F/W acft.
CAUTION - Gldr act. **CSTMS/IMG** - Avbl O/R. **MISC** - Class D Airspace eff twr hrs, OT Class E.

COMMUNICATIONS - **TWR** - Opr 0900-1030Z++, 1130-1500Z++, OT PPR. 132.825 119.7
Usable only up to 25 NM, 4000 ft. **BERLIN INFO** - 132.65 251.375 North
INFO - 132.825

NAVAIDS - **HERINGS DORF NDB** - MHW 330.000 HC N53°52.44' E14°10.92' 283° 1.1 NM
to Fld. 93/2°27.9'E **VHF/DF**

ILS/RADAR - **→LOC-DME** - BRG 283° LCZR I-HEW 111.3 CH 50 LMM HC 330

HERMS DORF, GM **DVORW-DME** - HA 115.000 HDO CH 97 (060/50) N50°55.69'
E14°22.13' 1439/(A)2°00.0'E **H-5E-6J, L-5D**

HERZLIA, IS **NDB** - HW 273.000 HRZ N32°10.74' E34°49.61' Unk/3°42.1'E **H-13A, T-2F**

HESA, IR **OIFE** PVT (IRAN AIRCRAFT MANUFACTURING INDUSTRY)
N32°55.73' E51°33.67' 5256 UTC+3:30 **H-13C, L17B, L-18F**

RWY-07 L3,4,5 (9830x148 ASP PCN 23 F/C/Y/T) L3,4,5 **RWY-25**
←61QSII UNK (15' OVRN)
RWY-09 (1091x40 CON) **RWY-27**

SERVICE - **FUEL** - (NC-J4)

REMARKS - Opr 0400-1230. **RSTD** - FOREIGN ACFT - PPR fr Flt Perms Unit and Iran Acft
Manufacturing Industry. DOMESTIC ACFT - PPR fr Iran Acft Manufacturing Industry.
CAUTION - Animal haz.

COMMUNICATIONS - **INFO** - SR-SS 118.5 291.4

NAVAIDS - **HESA NDB-DME** - MHW 230.000 HSA CH 81(Y) N32°55.95' E51°33.61' At Fld.
5250/3°22.0'E

HESTVIK, NO **NDB** - MHW 378.000 HTK N69°55.58' E21°00.18' Unk/7°31.8'E
H-1C, L-1D

HETTA, FI **NDB/LOM** - MHW 375.000 HET N68°25.34' E23°32.20' 207° 4.4 NM
to ENONTEKIO. Unk/8°38.2'E **L-1D**

HIERRO, SP **GCHI** CIV N27°48.89' W17°53.22' 103 UTC 0(+1DT) **L-13A**
RWY-16 L6,50 (4101x98 ASP PCN 93 F/A/W/T) L6,50 **RWY-34**

REMARKS - Opr 0810-1800Z++.

COMMUNICATIONS - **CANARIAS APP** - 126.1 **TWR** - (V) 118.1 **GND** - 121.6

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NAVAIDS - HIERRO DME - T HR CH 79 N27°48.96' W17°53.19' At Fld. 102/7°09.8'W
HIERRO NDB - MHW 376.000 HIE N27°48.97' W17°53.18' At Fld. Unk/7°09.8'W DME rmg
10 NM. **VHF/DF**

HILDESHEIM, GM EDVM PVT N52°10.79' E9°56.74' 293 UTC+1(+2DT) **L-5C**
RWY-07 (4003x75 ASP) **RWY-25**
3281→ ←3806
SERVICE - FUEL - (NC-100LL)
REMARKS - Opr 0900Z-SS PPR (0800Z-SS or 1800Z PPR DT). **RSTD** - PPR fone C(05121)
52172 or fax C518661. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri.
Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. Avoid ovft residential areas. **MISC** -
Taxiing acft mnt INFO.
COMMUNICATIONS - BREMEN INFO - 119.825 385.2 **INFO** - 118.3

HINOJOSA, SP VORW-DME - HA 114.700 HIJ CH 94 N38°30.49' W5°05.98'
1841/(A)4°00.0'W **NDB** - HW 346.000 HNS N38°30.62' W5°06.66' Unk/2°36.5'W O/S til
23 Jun 06 est.
HIJ VOR-DME unuse 030° byd 50 NM blw 7500'
055° byd 60 NM blw 6500'
215° byd 60 NM blw 9500'
H-16I, L-11A

HJALTEYRI, IC NDB - MHW 319.000 HJ N65°51.10' W18°11.50' 166° 11.9 NM
to AKUREYRI. Unk/15°48.8'W **L-1A**

HOCHWALD, SZ DVORW-DME - HA 113.200 HOC CH 79 (060/50) N47°27.99'
E7°39.93' 2425/(A)0°00.0'E (100/50 090°-270°) **H-7C, L-6G-9B**

HODEIDAH INTL, YM OYHD MIL/CIV N14°45.18' E42°58.58' 41 UTC+3
H-14F, L-20G
(B) **RWY-03** L5,38,50 (9843x148 ASP E4) L5,38,50 **RWY-21**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr SR-SS, OT O/R. **RSTD** - Fone C967-323-2628, fax C967-321-1544
COMMUNICATIONS - TWR - (V) 118.2 124.7 **GND** - 121.6 **RDO** - 5115 **REMARKS**:
Domestic USB.
NAVAIDS - HODEIDAH VORW-DME - HA 114.200 HDH CH 89 N14°46.42' E42°59.28' 207°
1.4 NM to Fld. 41/(A)1°00.0'E **HODEIDAH NDB** - MHW 368.000 HD N14°45.61'
E42°58.39' At Fld. 41/1°48.0'E

HOF PLAUE, GM EDQM CIV N50°17.33' E11°51.30' 1960 UTC+1(+2DT) **VFR, L-6I**
(B) **RWY-09** L5,9,39,50 (4856x98 ASP PCN 30 F/D/Y/T) L2,5,9,11,50 **RWY-27**
4068→ ←4659
SERVICE - LGT - ABn flg W. PAPI Rwy 09 MEHT 12', PAPI Rwy 27 GS 3.5° MEHT 64'.
FUEL - (NC-100LL, A1)
REMARKS - Opr 0500-2100Z++ Mon-Fri; 0800-1800Z++ Sat, Sun and hol; OT PPR. **RSTD** -
PPR for acft btn 12,566-22,046 lb max wt, fone C(09292)977-135. **CSTMS/IMG** - CSTMS
avbl O/R 30 min PN dur opr hr. **MISC** - Class D Airspace eff 0430-2100Z++ Mon-Fri,
0730-1800Z++ Sat, Sun, hol.
COMMUNICATIONS - TWR - Opr 0430-2100Z++ Mon-Fri; 0730-1800Z++ Sat, Sun and
hol. (V) 124.35 **MUNCHEN INFO** - 125.8 **MUNCHEN RADAR** - (R) (E) 118.975 298.825
NAVAIDS - HOF DME - T HOD CH 44 (025/10) N50°17.39' E11°51.31' At Fld.
1946/1°42.9'E **HOF NDB** - MHW 484.000 HOF N50°17.08' E11°45.68' 086° 3.6 NM
to Fld. Unk/1°41.4'E **VHF/DF**
ILS/RADAR - ILS, LOC-DME

HOFRA V10, LY NDB - MHW 410.000 VH N29°22.00' E18°01.00' Unk/1°56.2'E
H-10F, L-14G-19D

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HOFSA, IC **NDB** - MHW 348.000 HA N65°37.78' W15°02.48' Unk/13°49.0'W **H-1B, L-1B**

HOHENFELS AAF, GM **ETIH** A N49°13.08' E11°50.17' (32UQV0652155568) 1455
UTC+1(+2DT) **VFR, L-61**

(B) **RWY-09** L5,9 (2187x72 ASP) L5,9 **RWY-27**

SERVICE - LGT - Rot Bcn lctd 0.6 NM NE of afld. **FUEL** - Avbl 0530-2030Z++ Mon-Fri; 48 hr PPR for wkend, GM hol and req over 1000 gal. J8

REMARKS - RSTD - 24 hr PPR for ACFT with Code 7 and abv, (incl EDR137)-PPR for all F/W. Afld and tfc pat are in EDR137, ctc with advsy is mand outside twr opr hr. Current (prev 120 days) EDR137 Redline briefing and review of dly rng bulletin mand prior to opr wi the EDR with the exc of the afld. **CAUTION** - Extv day/ngt remote operated unmanned acft ops wi EDR-137. TV twr 1800' 1.3 NM S of afld. TV twr 1860' 1.2 NM NNE of afld. Smokestack 1626' 0.4 NM NE apch end Rwy 27. Two lgtd rdo ant 1685'/1650', 0.6 NM NE apch end Rwy 27. Unlit windmill 328' on arr/dep btn Parsberg and Whiskey N49°11'27.92"E011°37'36.23" (32UPV 9138 5202). **NS ABTMT** - No ovft any built up area blw 3000'. See VFR ARR/DEP RTE EUR. **MISC** - Wx briefings avbl dur ETIC Graf Twr opr hrs only. DSN 475-8349/6253, C09641-83-8349/6253. H24 wx svc avbl thru 21ST OWS. Fone DSN 496-6145/6146, C06302-67-6145/6146. No PMSV capability.

COMMUNICATIONS - § TWR - (E) 31.8 41.75 122.1 141.95 284.125 **REMARKS:** Opr 0600-1600Z++ Mon-Fri; clsd Sat, Sun and US hol; OT advsy svc only. All freq advsy svc when twr not in operation. For flt flw svc inside EDR137 ctc twr.

MUNCHEN INFO - 120.65

NAVAIDS - HOHENFELS NDB - MHW 286.000 HFX N49°13.10' E11°51.57' At Fld.

1579/1°42.9'E

HFX NDB

Unrel byd 10 NM.

HOHENFELS HOSPITAL AHP, GM **ET-/ET39** A N49°13.45' E11°50.08'
(32UQV0638956239) 1440 UTC+1(+2DT)

(50x50 ASP UH60)

REMARKS - RSTD - Medical evac only. **CAUTION** - Bldg and wires N, W and E. **TFC PAT** - See VFR **MISC** - Fone DSN 466-2614/2814.

HOHN, GM **ETNH** MIL N54°18.73' E9°32.29' 39 UTC+1(+2DT) **H-5C, L-2E**

(B) **RWY-08** L2,5,22,50 (8005x98 CON)

L2,5,22,50 **RWY-26**

HOOK 44B-2D(B) (16' OVRN)

SERVICE - AOE JASU - 1(GPE-160) **FUEL** - J8 **FLUID** - Ltd De-Ice for transit acft. LHOX.

OIL - O-147-149 **TRAN ALERT** - No cross-servicing. 24 hr PN for sewage disposal. PPR 3 hr for tran acft and altn functions exc LTKDO acft.

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - PPR 24 hr for flt with haz goods. Classification of goods has to be stated in the req. No practice apch 1100-1230Z++ and aft 1600Z++. PPR for acft with wake turb cat hvy. PPR for ldg acft with chaff/flares. **CAUTION** - Copter ldg area N of rwy btn parl twy and W of mid int. Apch Rwy 08: In case of S wind, 20 kts or more, exp turb in thld area. **MISC** - All acft ctc Wing OPS on 282.15 15 min prior ldg or prior eng start. Grass areas W of mid int parl to and btn rwy and twy S used for lgt acft and glldr act. Fone C04335-94-0, extn 1556 (AIS), extn 1232 (WING OPS). No de-icing cap for rwy and twy. Ocnl copter tfc must be expected while CTLZ is not activated.

COMMUNICATIONS - BREMEN CON - (R) (E) 136.225 284.4 **TWR - (E)** 122.1 141.7 257.8 369.3 **RADAR - (R) (E)** 123.3 141.1 279.05 344.0 375.5 385.4 339.25X

NAVAIDS - HOHN TACAN - HA HNT CH 100 N54°18.65' E9°32.32' At Fld. 78/0°54.7'E

HOHN NDB/LOM - MHW 344.000 HN N54°19.58' E9°40.22' 259° 4.7 NM to Fld.

105/0°57.4'E

HNT TACAN unuse

110°-120° byd 20 NM

165°-240° byd 20NM

ILS/RADAR - ILS RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA..

HOLESOV, EZ **NDB** - HHW 448.000 HLV N49°19.37' E17°31.70' Unk/3°09.3'E
H-4E-6J, L-22E

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HOLZDORF, GM **ETSH** MIL N51°46.07' E13°10.06' 265 UTC+1(+2DT) **H-5D, L-5D**
(B) **RWY-09** L2,5,24,50 (7936x98 PEM) L2,5,24,50 **RWY-27**
HOOK 44B-2D(B) (1359') HOOK 44B-2D(B) (1390')
SERVICE - A-GEAR - Apch end engagement O/R. **JASU** - 1 (AEG 30 KVA) 1(RST-180)
FUEL - J8. PPR 3 hr for refuel. **OIL** - O-148-160 **TRAN ALERT** - Ltd technical svc for tran
acft.
REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **CAUTION** - Lgt obst
410' S of rwy cntr. Tfc N of arpt not vis to twr. Avoid ovft of hsg area 6500' N of arpt.
MISC - Rwy ldg sfc has anti-skid layer. Class D Airspace eff 2300Z++ Sun-2300Z++ Fri exc
hol.
COMMUNICATIONS - RADAR - (R) (E) 123.3 129.85 277.1 278.075 344.0 385.4
BERLIN ARR - (R) (E) 126.425 398.575 **TWR - (E)** 122.1 130.5 257.8 259.025 267.4
BERLIN INFO - 125.8 372.225
NAVAIDS - HOLZDORF TACAN - HA HOZ CH 119(Y) (090/50) N51°46.00' E13°11.94' 271°
1.2 NM to Fld. 2611(A)2°00.0'E **HOLZDORF NDB** - MHW 406.000 HOZ N51°46.19'
E13°05.85' 093° 2.6 NM to Fld. 316/2°04.9'E
ILS/RADAR - ILS - BRG 271° LCZR IHDW 111.7 GS 3° LOM HOZ 406 ■ **RADAR** - ASR/PAR
- Call RADAR - 123.3 129.85 277.1 278.075

HON, LY **HLON** CIV N29°06.61' E15°57.93' 919 UTC+1(+2DT) **H-10E, L-19D**
RWY-13 (5905x98 ASP) **RWY-31**
NAVAIDS - HON NDB - HHW 397.000 HON N29°08.00' E15°57.00' 150° 1.6 NM to Fld.
919/1°39.1'E

HONILEY, UK **VORW-DME** - HA 113.650 HON CH 83(Y) (060/50) N52°21.40' W1°39.82'
435/(A)4°00.0'W (60/50;100/50 sctr 318°-003°) **H-3D-6F, L-4G**

HONINGTON, UK **EGXH** MIL N52°20.56' E0°46.38' 174 UTC 0(+1DT) **L-4H**
(B) **RWY-09** L5,41,50 (9012x200 ASP S100 T220 ST175) L5,24,50 **RWY-27**
HOOK RHAG(B) (1300') HOOK RHAG(B) (1300')
SERVICE - LGT - ABn, red coded HT. O/R SS-SR. **A-GEAR** - Rwy 09-27, both cables
derigged. **FUEL** - A1+
REMARKS - HO. **RSTD** - Offl bus only. PPR. No perm ATC staff. Rpt LDA Rwy 09 8986'.
CAUTION - A/D activated by NOTAM.
COMMUNICATIONS - APP - (R) 123.3X **TWR** - 122.1X 278.625
LAKENHEATH RADAR - 128.9 242.05
ILS/RADAR - ■ RADAR - PAR - Call TALKDOWN - 358.75 123.3X

HORNAFJORDUR, IC **BIHN** CIV N64°17.73' W15°13.63' 24 UTC 0 **L-1B**
RWY-18 L5,9,A,50 (4921x148 BIT) L5,9,A,50 **RWY-36**
SERVICE - LGT - Lead in lgt Rwy 18/36. **FUEL** - Avbl PN. (NC-100LL, A1)
REMARKS - Opr 0715-1830Z Mon-Fri, 0715-1700Z Sat, Sun. OT O/R. **RSTD** - PAPI for Rwy
18 usable only wi 1.7 NM. **CAUTION** - Rwy 18-36 is Double Sfc Dressing. Use brakes with
ctn and use as big a turning rad as possible. PAPI on-crs has obst pent when flying
considerably either side of ctrline within 10° up to 6 NM. **CSTMS/IMG** - Avbl O/R.
COMMUNICATIONS - REYKJAVIK CON - Opr H24. 119.7 **INFO** - 118.1
NAVAIDS - HORNAFJORDUR NDB - HHW 330.000 HN N64°16.15' W15°12.80' 003°
1.6 NM to Fld. Unk/13°19.0'W Less in N and W sctr.

HOROVICE, EZ **LKHV** CIV N49°50.89' E13°53.61' 1214 UTC+1(+2DT) **H-6I, L-6I, T-1A**
RWY-07 (6575x100 ASP) **RWY-25**
4050→ ←6375
REMARKS - Opr 0800-1800Z 15 Apr-15 Oct. 0900-1700Z 16 Oct-31 Oct.
COMMUNICATIONS - INFO - 122.6

HORSCHING, AU See LINZ

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HORTA, PO Azores I **LPHR** CIV N38°31.19' W28°42.95' 118 UTC-1(0 DT) **H-1A, L-1B**
(B) **RWY-10** L7,14,50 (5233x148 ASP PCN 39 F/C/X/T) L7,14,50 **RWY-28**

SERVICE - LGT - PAPI Rwy 10,28 MEHT 48'. **FUEL** - (NC-A1)

REMARKS - Opr 0800-1830Z++ **RSTD** - Rstd to acft able to maint two-way com with Horta
Twr. 180° turn only at rwy ends for acft over 40 tons tkof wt. **CAUTION** - Gnd rises
rapidly very close to the arpt, possibly causing windshear/turbulence. Bird haz.

COMMUNICATIONS - APP - Opr HO. (V) 119.7 118.0 **TWR** - Opr HO. (V) 118.0

NAVAIDS - HORTA DVORTACW - HA 112.700 VFL CH 74 (240/60) N38°31.17' W28°37.41'
270° 4.3 NM to Fld. 485/11°20.4'W **HORTA NDB** - HW 380.000 FIL N38°31.35'
W28°41.15' 264° 1.4 NM to Fld. Unk/11°21.8'W **HORTA NDB** - HW 360.000 HT
N38°31.19' W28°37.77' 270° 4.1 NM to Fld. Unk/11°20.5'W

VFL DVOR unuse 010°-020° byd 10 NM blw 10,000'
080°-140° byd 15 NM blw 10,000'
280°-010° byd 10 NM blw 10,000'
blw 5000'
010°-020° byd 10 NM blw 10,000'
045°-080° byd 30 NM blw 5000'
080°-100° byd 28 NM blw 5500'
100°-140° byd 15NM blw 10,000'
140°-150° byd 40 NM blw 3000'
280°-010° byd 10 NM blw 10,000'

VFL TACAN unuse

HOUARI BOUMEDIENE, (ALGER) AG **DAAG** CIV N36°41.46' E3°12.92' 82

UTC+1 **H-9C, L-13D**

RWY-05 L5,53 (11483x197 ASP PCN 74 F/D/W/T) L5,A,43,50,53 **RWY-23**
RWY-09 L5,A,50 (11483x148 ASP PCN 78 F/D/W/T) L50 **RWY-27**

SERVICE - AOE FUEL - (NC-100LL, A1)

REMARKS - RSTD - NORDO proh. **CAUTION** - Bird haz. WIP.

COMMUNICATIONS - ALGER APP - (R) 121.4 119.7 **ALGER TWR** - 118.7 119.7
ALGER GND - 121.8

NAVAIDS - ALGER VORW - L 113.900 SDM N36°37.84' E2°58.46' 073° 12.2 NM to Fld.
Unk/0°17.4'W **ALGER VORW-DME** - HA 112.500 ALR CH 72 (200/40) N36°41.47'
E3°12.93' At Fld. 82/(A)1°00.0'W (200/40;95/40 to the N;65/90 to the S)

HOUARI BOUMEDIENE NDB - HHW 370.000 SMR N36°41.57' E3°05.39' 092° 6.1 NM
to Fld. Unk/0°15.7'W **HOUARI BOUMEDIENE NDB** - HHW 416.000 MAR N36°41.11'
E2°46.95' 090° 20.9 NM to Fld. Unk/0°20.1'W **VHF/DF**

ILS/RADAR - ➔**ILS** - BRG 236° LCZR AG 110.3 GS 3°. ■ **RADAR** - Call ALGER APP.

HOUSSEN, FR **LFGA** CIV N48°06.59' E7°21.54' 628 UTC+1(+2DT) **L-6G**

RWY-01 L1,5,50 (5282x98 ASP S46) L1,5,9,50 **RWY-19**
4593→

SERVICE - LGT - PAPI Rwy 19 GS 3.8°. PCL avbl PPR prior 1600Z++ prev working day by fax
C03.89.41.46.82. **FUEL** - Avbl 0600-1000Z, 1200-1530Z Mon-Thu; 0600-1000Z,
1200-1500Z Fri. Sat, Sun, hol 0700-1100Z, 1200 til 1500Z (til 1600Z Feb, Mar, Sep, Oct) (til
1800Z Apr, Aug). OT 6 hr PN. (NC-100LL, A1).

REMARKS - Opr 0630-2000Z++ Mon-Fri; 0730Z-SS+30 (0630-1800Z sum) Sat, Sun, hol.

RSTD - IFR trng proh outside ATS hr. NORDO proh. Tkof Rwy 19: Backtaxi on rwy to use
max tkof dist to avoid ovft of town of Colmar. **CSTMS/IMG** - CSTMS avbl HS. Fone C(33)
03 87 39 99 06, fax C(33) 03 87 36 96 66.

COMMUNICATIONS - TWR - 119.0

NAVAIDS - VHF/DF

ILS/RADAR - ➔**ILS** - BRG 191° LCZR HO 110.7 GS 3.8° LCTR HO 380.

HOVBY, SW See LIDKOPING

HOYBUKTMOEN, (KIRKENES HOYBUKTMOEN) NO **ENKR** CIV

N69°43.55' E29°53.48' 283 UTC+1(+2DT) **H-1D, L-1D**
RWY-06 L2,5,23,50 (6939x148 ASP PCN 45 F/A/X/U) L5,24,50 **RWY-24**
6754→ ←5489

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SERVICE - LGT - PAPI Rwy 06-24 apv area cntr on a line 10° S of extrn RCL, GS 3.4°. **FUEL** - Avbl 0500-1900Z++ Mon-Fri; 0500-1700Z++ Sat; 0500-2000Z++ Sun. (NC-100LL, A1)

REMARKS - Opr H24 Mon-Fri, 0001-1700Z++ Sat, 0900-2359Z++ Sun. **RSTD** - Ldg fees. PPR Diplomatic clnc req to COMAIRNORTH. **CAUTION** - Const just S of rwy btn Twy A and D til 30 Apr 06. **CSTMS/IMG** - Avbl O/R 1 hr to Twr, fone C(085)98036. **RWY** - Rwy 06 LDA 5561'. Rwy 24 LDA 5266'.

COMMUNICATIONS - ATIS - 118.025 **KIRKENES TWR** - Opr 0420-2300Z++ Mon-Fri, 0410-1700Z++ Sat, 0900-2240Z++ Sun. (V) 118.1 120.35 122.1X

NAVAIDS - KIRKENES VORW-DME - HA 112.000 KIK CH 57 N69°43.43' E29°52.15' At Fld. 283/(A)10°00.0'E **KIRKENES NDB/LOM** - MHW 326.000 KKS N69°45.05' E30°06.87' 239° 4.9 NM to Fld. 330/12°43.7'E **VHF/DF**

ILS/RADAR - ➔ILS - BRG 239° LCZR KR 110.3 GS 3.4° LMM KR 258.5 LOM KKS 326

HOYNES, NO **NDB** - MHW 384.000 HNS N61°54.64' E5°42.64' 50/1°14.9'W **H-2F, L-1B**

HRADEC KRALOVE, EZ **LKHK** CIV N50°15.19' E15°50.71' 791 UTC+1(+2DT)

H-4E-6I-8F, L-6J-22E

RWY-16L7

(7874x187 CON PCN 33 R/B/X/T)

L7 RWY-34

SERVICE - FUEL - (NC-A1, 100LL)

REMARKS - Opr O/R.

COMMUNICATIONS - INFO - 122.0

HUDIKSVALL, SW **ESNH** CIV N61°46.09' E17°04.84' 95 UTC+1(+2DT) **L-1C**

RWY-12L1,55

(4331x98 ASP PCN 11 F/C/Y/T)

L1,55 RWY-30

4039→

←3740

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - RSTD - PPR fr Airlift Helicopter Sweden AB, fone C+46 (0)650/165 00, C+46 (0)705/80 29 23. **CAUTION** - Motor veh act on rwy.

COMMUNICATIONS - RDO - 123.2

HULDENBERG, BE **DVOR-DME** - HA 117.550 HUL CH 122(Y) (040/25) N50°44.97' E4°38.50' 085° 4.9 NM to BEAUVECHAIN. 335/(A)1°00.0'W (32/25 NNW thru NE) **H-6G, L-5A**

HULTSFRED, (VIMMERBY) SW **ESSF** CIV N57°31.55' E15°49.40' 366 UTC+1(+2DT)

H-2G, L-2F

RWY-12L5,50

(6383x131 CON PCN 30 R/B/X/T)

L2,5,11,50 RWY-30

SERVICE - LGT - PAPI Rwy 12 GS 3.25° MEHT 49', PAPI Rwy 30 GS 2.86° MEHT 53'. **FUEL** - Avbl dur AFIS hr, OT O/R. (NC-100LL, A1)

REMARKS - RSTD - PPR for ops outside AFIS opr hr. **MISC** - Ldg fees, INCR charges outside AFIS opr hr. Afld oprn by Hultsfred-Vimmerby airport company, fone C+46 (0)495 103 06.

COMMUNICATIONS - AFIS - Opr 0430-0900Z++, 1430-1830Z++ Mon-Fri. (V) 124.05 123.3

NAVAIDS - VHF/DF

ILS/RADAR - ➔ILS-DME - BRG 294° LCZR SF 111.9 CH 56 GS 2.86° LOM LN 376.

HUMBERSIDE, UK **EGNJ** CIV N53°34.47' W0°21.05' 121 UTC 0(+1DT) **H-5B, L-3C**

RWY-03 L4,5,33,50

(7205x148 ASP PCN 55 F/B/X/T)

L4,5,33,50 RWY-21

RWY-09

(3458x98 ASP PCN 20 F/B/X/U)

RWY-27

←2811

SERVICE - AOE LGT - ABn, green coded HS. PAPI Rwy 03 GS3.5°. **FUEL** - (NC-100LL, A1) Avbl Sat-Sun til 1800Z++. **OIL** - 0-123-125

REMARKS - Opr 0630-2025Z++. **RSTD** - PPR. NORDO proh. Avoid ovft of rifle rng 4429' NW of Rwy 03-21 blw 500'. Rpt LDA for Rwy 03 is 6791', rpt LDA for Rwy 21 is 6398', rpt LDA for Rwy 27 is 2838' and rpt LDA for Rwy 09 is 3232'.

COMMUNICATIONS - INFO - 124.125 **APP - (R)** 119.125 129.25 **TWR** - 124.9 119.125

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ILS/RADAR - ➔ILS-DME - BRG 206° LCZR IHS 108.75 CH 24(Y) GS 3°. Incorrect lczr indications may occur at rng in excess of 7 NM when greater than 8° left of cntrline less than 3000'. Acft not to estab til wi 12 DME due to EGD306. ■ **RADAR** - RADAR - Call RADAR - 119.125 (123.15 as drct by ATC)

HUMMELFJELL, NO **TACAN** - HA HUM CH 47 N62°25.96' E11°16.10'
5022/(A)0°00.0'E **H-2G, L-1C**

HURGHADA INTL, EG **HEGN** CIV N27°10.70' E33°47.97' 52 UTC+2(+3DT)
H-12H-14E, L-16F-20F
(B) **RWY-16** L5,12,50 (13124x148 ASP PCN 70 F/C/W/U) L5,11,50 **RWY-34**
12139→

SERVICE - FUEL - (NC-A1)

COMMUNICATIONS - RDO - 5859 2562 (2562 sby) **RADAR - (R) (V)** 123.4 119.1
TWR - 119.6 **GND** - 121.9

NAVAIDS - HURGHADA VORW-DME - HA 116.500 HGD CH 112 N27°10.67' E33°47.78'
At Fld. 98/(A)3°0.0'E

ILS/RADAR - ILS

HUSAVIK, IC **BIHU** CIV N65°57.14' W17°25.56' 48 UTC 0 **H-1A, L-1A**
RWY-03 L6,50 (5266x157 BIT) L6,50 **RWY-21**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr O/R 0800-1700Z Mon-Fri via C354-464-1253.. **CAUTION** - Rwy 03-21 is sfc dressing. Use brakes with ctn and use as big a turning rad as possible.

COMMUNICATIONS - REYKJAVIK ACC - 119.7 255.4 **INFO** - 118.1

ILS/RADAR - ➔LOC-DME - BRG 029° LCZR IHU 110.9 CH 46 LOM GA 377 LCTR HS 329.

HUSUM SCHWESING, (HUSUM) GM **EDXJ** CIV N54°30.60' E9°08.30' 62
UTC+1(+2DT) **L-2E**
(B) **RWY-03** L7,9 (4757x98 ASP) L7,9 **RWY-21**
4249→ ←4249

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0800-1800Z or SS+30 DT (PPR win). **CSTMS/IMG** - CSTMS avbl, H24 PPR.

COMMUNICATIONS - BREMEN INFO - 125.1 376.7 **INFO** - 122.05

HYERES, FR **TACAN** - HA HYE CH 27 N43°06.05' E6°08.85' At LE PALYVESTRE. 7/0°22.0'E
O/S UFN **NDB** - HW 322.000 TLN N43°01.96' E6°09.17' 356° 3.9 NM to LE PALYVESTRE.
Unk/0°22.7'E **H-7C, L-11D**

HYVINKAA, FI **EFHV** CIV N60°39.27' E24°52.87' 430 UTC+2(+3DT) **L-1D**
RWY-04 (4134x59 ASP) **RWY-22**
RWY-12 (2592x49 ASP) **RWY-30**

REMARKS - Opr HX. **CAUTION** - Gldr act with acft tows and winch launches to 2700' AGL.
Ultra-lgt and model acft act. **TFC PAT** - Rgt tfc Rwy 22 and 30.

COMMUNICATIONS - INFO - 122.5

I BAR YEHUDA, IS **LLMZ** CIV N31°19.69' E35°23.32' -1266 UTC+2(+3DT)
L-16F, T-2F
RWY-01 (3937x98 ASP) **RWY-19**

COMMUNICATIONS - TEL AVIV APP - 120.9 121.4 SOUTHERN SECTOR

NAVAIDS - METZADA VORW-DME - HA 115.000 MZD CH 97 N31°19.84' E35°23.43'

At Fld. -1200/(A)1°00.0'E Rng ltd to 30 NM fr fac.

MZD VORW-DME unuse 105-175

unuse 200-330

IANCA, RO **LR--/LR79** MIL N45°09.52' E27°25.86' 131 UTC+2(+3DT) **H-4G, L-10J**
RWY-03 L7,34 (8202x262 CON 55 SWL) L7,34 **RWY-21**

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SERVICE - FUEL - (NC-A1+) **FLUID** - OX **OIL** - O-156

COMMUNICATIONS - APP - (R) 130.0 **TWR** - 130.0 **DEP** - 130.0

ILS/RADAR - ■ **RADAR** - PAR - Call RADAR - 130.0

IASI, RO **LRIA** CIV N47°10.71' E27°37.24' 397 UTC+2(+3DT) **H-4G, L-10I**
RWY-15 L3,5,7,11 (5841x98 CON PCN 24 R/D/W/T) L5,7,12 **RWY-33**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0400-2000Z++. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - APP - (R) 119.2 **TWR** - (R) 119.2 **PRECISION** - (R) 118.8

NAVAIDS - IASI NDB - HW 391.000 IAS N47°14.06' E27°34.78' 149° 3.7 NM to Fld.
292/5°00.5'E Opr HX.

ILS/RADAR - ➔ **ILS-DME** - BRG 149° LCZR IIS 109.1 CH 28 GS 3°. ■ **RADAR** - PAR - Call
PRECISION 118.8

IBIZA, SP **LEIB** CIV N38°52.37' E1°22.39' 20 UTC+1(+2DT) **H-15A-16I, L-11C**
RWY-06 L4,5,20,50 (9186x148 ASP PCN 65 F/C/W/T) L4,5,33,50 **RWY-24**

SERVICE - FUEL - (NC-100LL, A1) **OIL** - 0-117-125-128

REMARKS - Opr 0630-2300Z++ ps 1 hr PPR 1 Nov-last Sun in Mar, OT H24. **RSTD** - Tng flt
proh SR-SS, Fri-Sun til 15 Oct 06. **CAUTION** - Bird haz. **CSTMS/IMG** - Avbl

COMMUNICATIONS - ATIS - 117.8 **PALMA APP** - Opr H24 118.125 **APP** - 119.8
TWR - (E) 118.5 257.8 **GND** - 121.8

NAVAIDS - IBIZA VOR-DME - T 117.800 IBA CH 125 N38°52.10' E1°21.95' At Fld.
30/0°43.3'W 5° var possible at 3 NM/4000' for 8 sec. **IBIZA NDB** - HW 394.000 IZA
N38°54.93' E1°28.22' 242° 5.2 NM to Fld. Unk/0°41.7'W **VHF/DF**

ILS/RADAR - **ILS-DME** 24

IBN BATOUTA, (TANGER IBN BATOUTA) MO **GMTT** CIV N35°43.62' W5°55.01' 62
UTC 0 **H-9A-16H, L-13C**

(B) **RWY-07** (CLSD 6562x98 ASP) **RWY-25**
RWY-10 L5,50 (11483x148 ASP PCN 47 F/B/W/T) L5,33,50 **RWY-28**
←9843

SERVICE - AOE **LGT** - ABn, 2 W flashes ev 12 sec. **FUEL** - (NC-100LL, A1)

REMARKS - **CAUTION** - Bird haz.

COMMUNICATIONS - TANGER APP - (V) 121.2 **TANGER TWR** - (V) 119.5

NAVAIDS - TANGER VORW-DME - HA 115.900 TNG CH 106 N35°43.73' W5°53.45' 268°
1.3 NM to Fld. 105/(A)4°00.0'W

ILS/RADAR - ➔ **ILS** - BRG 281° LCZR TAG 109.3 GS 2.99°

I D AMICO, IT See PANTELLERIA

IFAISTOS, GR See LIMNOS

IFRANE, MO **GMFI** CIV N33°30.32' W5°09.17' 5459 UTC 0 **H-9B, L-13C**
RWY-03 (6920x115 ASP PCN 18 F/B/W/T) **RWY-21**

REMARKS - Opr SR-SS. **RSTD** - Ovft of the town of Ifrane proh.

COMMUNICATIONS - TWR - 131.0

NAVAIDS - IFRANE NDB - HW 409.000 IFR N33°30.02' W5°09.62' At Fld. Unk/2°30.0'W

IKARIA, GR **LGK** CIV N37°40.96' E26°20.82' 79 UTC+2(+3DT) **L-12H-14H-15A**
(B) **RWY-15** L6,50 (4530x98 ASP) L6,50 **RWY-33**
←4252

SERVICE - **LGT** - ABn coded IKA.

REMARKS - Opr by NOTAM. **CAUTION** - Displ thld may not be mrkd. Fst 1706' Rwy 33 not
visible fr com bldg.

COMMUNICATIONS - RDO - (V) 5637 2989 (5637 Opr 0400-1700Z++)(2989 Opr
1700-0400Z++) **AFIS** - 122.3

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NAVAIDS - IKARIA NDB - MHW 322.000 IKA N37°40.97' E26°20.73' At Fld. 80/3°34.5'E

ILAM, IR OICI CIV N33°35.20' E46°24.29' 4404 UTC+3:30 **H-13B, L-16H-17A**
RWY-14 L5 (9183x148 ASP PCN 30 F/D/Y/T) L5 **RWY-32**

SERVICE - FUEL - (NC A1)

REMARKS - Opr SR-SS, OT O/R. **CAUTION** - Due to obst on final, Rwy 14 not unuse for Idg.
Animal haz.

COMMUNICATIONS - INFO - Opr SR-SS. 118.8 121.6

NAVAIDS - ILAM VORW-DME - HA 112.600 ILM CH 73 N33°34.71' E46°24.92' At Fld.

4426/(A)3°0.0'E **ILAM NDB** - HHW 311.000 ILM N33°35.09' E46°24.72' At Fld.

4404/3°48.0'E

ILM VOR-DME unuse 10 to 20 000°-020° blw 9000'

NM 020°-130° blw 9500'

130°-155° blw 8000'

155°-170° blw 7000'

170°-220° blw 7500'

220°-270° blw 8000'

270°-340° blw 7000'

340°-000° blw 8000'

ILM VOR-DME unuse 20 to 40 000°-020° blw 24,000'

NM 020°-070° blw 27,000'

070°-090° blw 21,000'

090°-110° blw 17,000'

110°-130° blw 15,000'

130°-150° blw 13,000'

290°-330° blw 16,000'

330°-000° blw 21,000'

ILM VOR-DME unuse 5 to 10 NM 000°-080° blw 9000'

165°-220° blw 7000'

ILM VOR-DME unuse byd 20 NM 150°-290° all alt

ILE D YEYU, FR LFEY CIV N46°43.12' W2°23.47' 79 UTC+1(+2DT) **L-7B-8E**
(B) **RWY-04** (1886x164 GR5) **RWY-22**
RWY-14 L5,9 (4035x82 ASP S28) L5,9 **RWY-32**

REMARKS - Opr 0630-1000Z++, 1515-1900Z++ Mon-Sat; 0800-1100Z++, 1345-1900Z++
Sun Oct 1- Mar 31. 0800-1130Z++, 1400-1830Z++ dly Apr 1-May 30 and Sep 1-Sep 30.
0630-1030Z++, 1300-1800Z++ dly Jun 1- Aug 31.

COMMUNICATIONS - INFO - 118.9

ILE DE RE, FR LFBH CIV N46°10.75' W1°11.72' 74 UTC+1(+2DT) **H-7A, L-8E**
RWY-10 L5,9,50 (7398x148 ASP PCN 44 F/C/W/T) L5,9,14,50 **RWY-28**
6365→ ←5866

SERVICE - AOE FUEL - Avbl 1000-1730Z++ (NC-100LL, A1). A1 avbl till 2130Z++Sat .

REMARKS - Opr 0400-2200Z++ Mon-Fri; 0800-2200Z++ Sat and Sun **CAUTION** - DME
warning lgts O/S. Crane 053° .4NM fr Rwy 28 thld hgt 164' AGL.

COMMUNICATIONS - LA ROCHELLE ATIS - 126.875 **LA ROCHELLE APP** - (R) 124.2
LA ROCHELLE TWR - 118.0

NAVAIDS - VHF/DF

ILS/RADAR - ➔ **ILS-DME** - BRG 275° LCZR RL 109.55 CH 32(Y) GS 3.1° LCTR RL 322. ■
RADAR - ASR - Call RADAR 124.2

ILLESHEIM AHP, (STORCK BARRACKS) GM **ETIK A** N49°28.43' E10°23.27'
(32UPV0054281056) 1078 UTC+1(+2DT) **VFR, L-6H**
(B) **RWY-06** L5,9 (2803x90 ASP) L5,9,28,45 **RWY-24**

SERVICE - FUEL - Avbl 0700-2300Z++ Mon-Thu, 0700-1700Z++ Fri, clsd US, GM hol. J8.

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REMARKS - Opr 0700-2300Z++ Mon-Thu, 0700-1700Z++ Fri, clsd US, GM hol. Aflid and HTA NVG/NVS trng SS+30-2300Z++. **RSTD** - Ovft of hsg area proh. Clsd to F/W. OPS fone DSN V467-4502/4832 or C09841-83-502/832. **CAUTION** - Avoid ovft of rifle rng blw 1500' AGL; 4 NM S of arpt (PV008767). Ints lo level jet tfc maneuvering in vcnty of arpt and especially ridge line 2.5 NM S of arpt dur day VFR cond. Exp hang glidr act in vcnty of Petersburg 3.5 NM S of aflid on wkends and GM hol. Heli-PLASI unuse byd 5° It and rgt of oncrs line. Ckpt 250M S of apch end Rwy 24, intensively amber lgtd at ng. **TFC PAT** - S tfc only 1600. **NS ABTMT** - See VFR ARR/DEP RTE EUR. **MISC** - Smokestack 202' AGL 0.3 NM N. Irregular lgtd hi tension lines 0.6 NM ENE of Rwy 24. Wx svc avbl dur twr opr hrs. Clsd US and GM hol. Wx fone DSN 467-4557/4746 or C(49)(0)9841-83-557/746. Wx obsn ltd 260°- 045° due to bldg and hgr; ng. obsn ltd due to few vis markers byd 1000 meters.

COMMUNICATIONS - § **LANGEN RADAR** - 135.725 297.9 **TWR** - Opr 0700-2300Z++Mon-Thu, 0900-1700Z++ Fri. Clsd US and GM hol. **(E)** 33.2 31.8 142.9 122.1 283.95 **GND** - 138.725 356.875 **GCA** - 138.65 266.65 **PMSV METRO** - 140.3 **REMARKS**: (Full svc dur twr opr hr). Remote Wx briefs avbl H24 fr 21st Operational WX Squadron(OWS) DSN 496-6145-6 or C06302-67-6145-6. **AFLD OPS** - 49.0 (Advsv svc outside twr hr) **LANGEN INFO** - 127.975 277.325

NAVAIDS - **ILLESHEIM NDB** - MHW 488.000 ILM N49°28.31' E10°23.28' At Fld. 1112/1°18.7'E Monitored dur twr hr only.

ILS/RADAR - **RADAR** -SEE TERMINAL FLIP FOR RADAR MINIMA

ILLIZI TAKHAMALT, AG **DAAP** CIV N26°43.41' E8°37.36' 1778 UTC+1
H-11D-12E, L-19C

RWY-09L7 (9843x148 ASP)

L7 **RWY-27**

SERVICE - **FUEL** - (NC-A1)

REMARKS - Opr 0700-1500 dly. OT PN prior to 1500.

COMMUNICATIONS - **TWR** - 118.7 119.7

NAVAIDS - **ILLIZI VORW** - HA 115.600 ILZ N26°43.40' E8°39.27' 270° 1.7 NM to Fld. Unk/(A)0°00.0'E **VHF/DF**

ILSTAD, NO **NDB** - MHW 320.000 IL N67°16.46' E14°43.31' Unk/3°28.1'E **L-1C**

IMAM KHOMEINI INTL, (AHMADABAD) IR **OIIIE** CIV N35°24.97' E51°09.13'
3305 UTC+3:30 **H-13C, L-17B**

RWY-11L L45,1150 (13772x148 ASP PCN 80 F/C/W/T)

L2,3,4,5,9,10,50 **RWY-29R**

RWY-11R (CLSD 13940x148 ASP
PCN 80 F/C/W/T)

RWY-29L
←-11968

SERVICE - **LGT** - PAPI Rwy 11L/29R GS MEHT 63'. **FUEL** - (NC A1)

REMARKS - **RSTD** - Arr acft within 25 DME MAX 220 KIAS at or blo FL140. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - **ATIS** - 127.2 **TWR** - **(V)** 118.7 **GND** - 121.6 121.825

NAVAIDS - **IMAM KHOMEINI VORW-DME** - HA 114.300 IKA CH 90 N35°24.58' E51°10.71' 287° 1.3 NM to Fld. 3271/3°58.8'E
IKA VOR/DME unuse at 25 DME

Btn 360°-010° BLW 11000ft AMSL
Btn 010°-030° BLW 11500ft AMSL
Btn 030°-040° BLW 10000ft AMSL
Btn 040°-050° BLW 9000ft AMSL
Btn 050°-060° BLW 8000ft AMSL
Btn 060°-070° BLW 7000ft AMSL
Btn 070°-200° BLW 6000ft AMSL
Btn 200°-230° BLW 7500ft AMSL
Btn 230°-340° BLW 7000ft AMSL
Btn 340°-350° BLW 9000ft AMSL
Btn 350°-360° BLW 10000ft AMSL

ILS/RADAR - ➔ **ILS-DME** - BRG 285° LCZR IIKA 110.3 CH 40 GS 3°

IMMOLA, FI **EFIM** CIV N61°14.95' E28°54.22' 338 UTC+2(+3DT) **L-1D**
RWY-01 L50,55 (3609x75 ASP)

L50,55 **RWY-19**
RWY-27

RWY-09 (4929x49 GVL)
SERVICE - **LGT** - PAPI Rwy 01 GS 4.5°, PAPI Rwy 19 GS 4°.

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REMARKS - Opr HX. **CAUTION** - Gldr act with cable winch launches to 2700' AGL and aerotows. Unmanned acft and shooting rg on arpt.

COMMUNICATIONS - **RDO** - 123.6

IMSİK, (BODRUM) TU **LTBV** CIV N37°08.41' E27°40.18' 202 UTC+2(+3DT)

H-15E, L-14H-15E

RWY-06

(5151x98 ASP)

RWY-24

←4627

SERVICE - **FUEL** - (NC-J4)

COMMUNICATIONS - **BODRUM TWR** - Opr by NOTAM. 126.0 256.0

IN AMENAS, AG **DAUZ** CIV N28°03.09' E9°38.57' 1847 UTC+1 **H-9D-11D-12E, L-19C**

(B) **RWY-05** L7,A,43

(9843x148 ASP SWL77)

L7 **RWY-23**

RWY-15

(7218x98 ASP SWL55)

RWY-33

SERVICE - **FUEL** - (NC-A1) 8 days PN if over 528 gal.

REMARKS - **RSTD** - NORDO proh. 180° turns proh on rwy. **CSTMS/IMG** - CSTMS avbl.

COMMUNICATIONS - **RDO** - 8894 **TWR** - 119.7 118.7

NAVAIDS - **IN AMENAS VORW-DME** - HA 112.900 IMN CH 76 (200/50) N28°04.20'

E9°39.92' 227° 1.6 NM to Fld. 1870/(A)0°00.0'E **ZARZAITINE NDB** - MHW 268.000 ZAR

N28°03.03' E9°37.87' At Fld. Unk/0°41.0'E

INCIRLIK AB, TU **LTAG** MIL (AF) N37°00.13' E35°25.55' 238 UTC+2(+3DT)

H-13A-16G, L-15B, AACDTD

(B) **RWY-05** L2,5,9,24,50

(10000x148 CON PCN 82 R/A/W/T)

L5,9,24,50 **RWY-23**

BAK-12A(B) (1500') BAK-12A(B) (2800')

BAK-12A(B) (2800') BAK-12A(B) (1500')

SERVICE - **AOE** **LGT** - Rwy 05-23 PAPI and PAR / ILS RPI not coincidental. Rwy 05-23 thld lgt

are gated. **A-GEAR** - Main rwy dep BAK-12 in place, rqr 15 min PN for apch end

engagement. BAK-12's extn runout. **JASU** - (AM32-95/AM32-86) **FUEL** - (N/C J8)

FLUID - SP LHOX LOX **OIL** - O-148 **TRAN ALERT** - Min svc capability to support C21, C12 and C130 models. All others supported by aircrew flt engineers, owning organization or AMC. ctc C90-322-316-6450 or DSN 314-676-6450 for further info."

REMARKS - **RSTD** - See FLIP AP/2, Chapter 3, TURKEY, FLIGHT PLANNING for arr restrictions. See the unclassified Europe FCG, Turkey, Sec 1 item D, for Turkish diplomatic clnc rqr. PPR for acft for all acft exp Turkish Mil. Twy bravo clsd SS to SR limited to ftr. All acft must use the taxi cntrline. Classified material not avbl. PPR 24 hr PN rqr (exc Turkish Armed Forces acft), ctc AM OPS Incirlik C90-322-316-6156, DSN 314-676-6156/6157, FAX C90-322-316-6056, DSN 314-676-6056, E-MAIL 39OS/ OSAB@incirlik.af.mil w/acft type, CS, arr/dep info, requestor name and phone number. **CAUTION** - Summer: slant vis is reduced due to haze and inversion on apch. Winter: increased TS activity around the base. Bird haz, stork and hawk migratory season 1 Mar-30 Jun. Small birds crossing arr/dep end of Rwy fr 30 May-30 Sep can cause tmpry Mod Bird Watch Cond. Rwy edge lgts 11' fr rwy edge. All acft traveling W on N parl must turn at Twy AN. Large acft must use min pwr setting dur taxi opr; use inboard eng only and do not pwr up. Failure to do so may result in rwy closure for removal of FOD haz. Exp less than nml BA on Rwy 05-23 and N parl twy (emerg rwy) when wet. Dragons teeth lctd at the entrance of hotel loop next to TWY, wing walkers required. **TFC PAT** - Reduced rwy separation std are in eff for USAF ftr acft only.

NS ABTMT - Flt to incl cir apch proh blw 1200' S of Rwy 05/23 dur VMC for NS ABTMT over base hsg and village. Avoid ovft city of Adana blw 3000'. Wkends and hol no overheads permitted. **CSTMS/IMG** - Avbl. **MISC** - Avoid apch/lgd at civ arpt 7 NM W of Incirlik which has same rwy drct. AMC maint 0200-1800Z+-. **METRO** opr H24 V676-1110 extn 6878/79. USAF Wx obsn/fcst avbl under ICAO KQDG vis determined by either at sfc elev or ctl twr whichever is less. Vis determination fr offl obsn pt is obsc by trees and bldgs in the S sctr. Incirlik AB has a joint use, USAF/Turkish apch ctl. Acft with VIP, ctc 39 ABW/CP 1 hr out via fone patch at DSN 676-9920, C90-322-316-9920 to confirm VIPs and est chock time. If unable or chock time chg more than 5 min, ctc Comd Post at 50 miles. AMC mission Acft ctc AMC AIRLIFT 30 min prior to arr. Coml Acft ctc AMCC at 131.9 30 min prior to arr.

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COMMUNICATIONS - SINGLE FREQ APP 378.225 **DISPATCH** - 339.05 **ATIS** - 138.65
314.175 **APP - (R) (E)** 128.0 126.5 296.75 362.3 235.125 (128.0 296.75 USAF) (126.5
235.125 TuAF) **TWR - (E)** 129.4 264.775 122.1 257.8 (129.4 264.775 USAF) (122.1 257.8
TuAF) **GND** - 123.025 313.6 376.7 251.25 (123.025 313.6 USAF) (376.7 TuAF)
COMD POST - 315.4 358.75 **AMC AIRLIFT** - 379.85 131.9 **PMSV METRO** - 284.425
OPC MSN DRCT - Call MADDOG 315.4 **VFR RADAR ADVSY SVC** - Avbl on APP freq wi
50 NM.

NAVAIDS - INCIRLIK TACAN - HA DAN CH 21 (100/10) N37°00.93' E35°26.88' 229° 1.3 NM
to Fld. 253/(A)4°00.0'E MP 0200-0400Z++ Mon,Thu.
DAN TACAN unuse 035°-065° byd 20 NM blw 5000'
095°-125° byd 28 NM blw 6500'

ILS/RADAR - ILS MP 0300-0500Z++ Tue, Wed. **RADAR** - SEE TERMINAL FLIP FOR RADAR
MINIMA. PAR apch avbl for USAF acft 2100-0500Z++, Mon-Fri excld US hol. ASR MP
0000-0300Z++ Mon-Fri, PAR MP 0500-0800Z++ Mon-Fri, 0500-1400Z++ Sat.

INEBOLU, TU VORW-DME - HA 113.300 INB CH 80 N41°57.08' E33°42.37'
2113/(A)3°00.0'E **H-4H-13A, L-15B**

INEZGANE, (AGADIR INEZGANE) MO GMAA CIV N30°22.88' W9°32.78' 89 UTC 0
H-9A,11C, L-13B

RWY-10 (9547x148 ASP) **RWY-28**

COMMUNICATIONS - AGADIR APP - (V) 120.3 **AGADIR TWR** - 119.5

NAVAIDS - INEZGANE NDB - MHW 371.000 AZR N30°22.01' W9°27.04' 285° 5.0 NM
to Fld. 90/3°56.1'W

ILS/RADAR - ➔ ILS - BRG 278° LCZR AGI 109.5 GS 2.5°

INGO, IC VORW-DME - HA 112.400 ING CH 71 N63°48.18' W16°38.28' 8/(A)16°00.0'W
ING VORW-DME unuse 336°-046°.
H-1A, L-1B

INGOLSTADT MANCHING, GM ETSI MIL/CIV N48°42.94' E11°32.04' 1202
UTC+1(+2DT) **H-6I, L-6I**

(B) **RWY-07L** L5,33 (8002x98 CON) **L5 RWY-25R**
←7400

HOOK 44B-2D(B) (607' OVRN)
RWY-07R L25,22,50 (9646x197 PEM) **L25,22,50 RWY-25L**
HOOK 44B-2D(B) (23' OVRN) HOOK 44B-2L(B) (1300')
HOOK 44B-2L(B) (1300') HOOK 44B-2D(B) (23' OVRN)

SERVICE - AOE A-GEAR - Apch end engagement O/R 10 min. **JASU** - 1(U-1003)
1(RST-180) **FUEL** - J8 (NC-100LL, J4) **FLUID** - PRESAIR LPOX LHOX LOX **OIL** -
O-133-147-148-149-155-156

REMARKS - Opr 0800-1600Z++ Mon-Thu; 0800-1300Z++ Fri, PPR 3 hr; clsd hol. (Civ
0800-1600Z++ Mon-Thu, 0800-1300Z++ Fri. PPR req only dur mil hr). PPR 0600-0800Z++,
1600-2100Z++ Mon-Thu; 0600-0800Z++, 1300-1900Z++ Fri; SR-30/0600-SS+30/1900Z++
Sat, Sun, hol. **RSTD** - Rwy 07L-25R clsd. Practice apch proh btn 1100-1300Z++. PPR fr 41st
FA. NORDO proh. **CAUTION** - Rwy 7L LDA rpt as 7400'. Propeller acft and glldr act SR-SS
Sat, Sun and hol to 3000' rad 5 NM of arpt, VMC only. Crane 2.6 NM SW fr cntr of arpt
(1341' MSL/139' AGL). **MISC** - Cargo drop area 1.7 NM S of arpt eff to 3000'. Test flt and
cargo dropping are carried out wi CTLZ, pilots are advs that this arpt should not be
considered a suitable arpt for diversion when experiencing rdo com failure enroute;
de-arming and cross-svg avbl O/R only, 15 min addn fuel rqr due to possible dly caused by
test flt otherwise diversion to altn may be exp. Rwy sfc has anti-skid layer. Fone
C08459-802133-802113. Class D airspace btn 2300Z++ Sun and 2300Z++ Fri, OT Class E.

COMMUNICATIONS - MUNCHEN CON - (R) (E) 136.525 242.2 **TWR - (E)** 122.1 125.25
139.4X 257.8 373.2 240.95X 282.1X **RADAR** - only during mil HR. **(R) (E)** 120.6 125.575
122.1X 123.3X 139.4X 278.1 344.0 385.4 313.475 369.365 379.75X

NAVAIDS - INGOLSTADT TACAN - HA IGL CH 51 (040/50) N48°43.07' E11°34.19' 264°
1.4 NM to Fld. 1233/(A)0°00.0'E (60/50 292°-338°) **INGOLSTADT NDB/LOM** - MHW
345.000 IGL N48°44.27' E11°38.68' 252° 4.6 NM to Fld. Unk/1°39.6'E Max rng btn 350
-060 is 40 NM.

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ILS/RADAR - ILS RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

IN GUEZZAM, AG **VORW** - HA 113.400 IGZ N19°33.82' E5°44.03' 1312/0°43.0'W For
sked flt only, other flt 24 hr PN. **NDB** - HW 435.000 IGZ N19°34.33' E5°45.75'
Unk/0°44.8'W **H-11D, L-19C**

INNSBRUCK, AU **LOWI** CIV N47°15.61' E11°20.64' 1906 UTC+1(+2DT) **H-61-7D, L-9C**
RWY-08 L4,5,50 (6562x148 ASP PCN 75 R/B/W/T) L2,4,5,9,11,50 **RWY-26**
6223→ ←6364

SERVICE - AOE **LGT** - PAPI Rwy 08-26 GS 3.5° MEHT 50.4'. **FUEL** - Avbl 0530-1900Z++.
(NC-100LL, A1) **FLUID** - Acft de-icing vehicles avbl.

REMARKS - Opr 0530-1900Z++. **CAUTION** - Dur seasonal mt wind eff dep N of city. **NS**
ABTMT - Dep should avoid city and hosp. If possible fly S of city along the hwy.

COMMUNICATIONS - **ATIS** - Opr 0445-2215Z++ 126.025 **APP** - Opr 0445-2215Z++ (R)
(V) 119.275 **TWR** - Opr 0445-2215Z++ (V) 120.1

NAVAIDS - **INNSBRUCK NDB** - MHW 420.000 INN N47°13.80' E11°24.11' 307° 3.0 NM
to Fld. 2969/1°35.8'E

ILS/RADAR - **LOC-DME** - BRG 068° LCZR OEJ 109.7 CH 34. Lczz 10 NM ENE afld offset
RCL. (Special performance acft only and req special authorization). **LOC-DME** - BRG 255°
(5° offset fr RCL). LCZR OEJ 111.1 CH 48.

IN SALAH, AG **DAUI** CIV N27°15.06' E2°30.72' 896 UTC+1 **H-11C, L-19C**
(B) **RWY-05** L7A (9843x148 ASP PCN 51 F/B/X/T) L7A **RWY-23**

SERVICE - **LGT** - Flg bcn O/R to twr. **FUEL** - (NC-A1)

REMARKS - Opr 0700-1500Z, OT PN rqr before 1600Z to DAUIYDID.

COMMUNICATIONS - **RDO** - 8894 **TWR** - 118.1 119.7

NAVAIDS - **IN SALAH VORW-DME** - HA 113.100 NSL CH 78 (180/27) N27°14.20' E2°29.55'
055° 1.4 NM to Fld. 955/(A)4°0.0'W **IN SALAH NDB** - HW 373.000 SAH N27°15.32'
E2°30.76' At Fld. Unk/0°41.8'W

INTERLAKEN, (MATTEN) SZ **LS--/LS02** N46°40.59' E7°52.75' 1893 UTC+1(+2DT)

H-7C, L-9B
RWY-05 L3,7,9,12,50 (6500x130 ASP) L3,7,9,12,50 **RWY-23**
5270→ ←5680
J-BAR UNK(B) (577')

SERVICE - **LGT** - PAPI Rwy 05 GS 5.5°, PAPI Rwy 23 GS 4.0°.

REMARKS - **RSTD** - Clsd UFN.

COMMUNICATIONS - **ARR/DEP** - (R) 126.825 142.225 143.775 249.8 337.975 340.325
TWR - 130.15 360.875 **INFO** - 138.05 268.625

INVERNESS, (DALCROSS) UK **EGPE** CIV N57°32.55' W4°02.85' 31 UTC 0(+1DT)

H-2E-5A, L-3C
RWY-05 L5,33,50 (6191x151 ASP PCN 40 F/C/X/T) L5,33,50 **RWY-23**
5974→ **RWY-12** (2297x59 ASP PCN 39 F/C/X/T) **RWY-30**

SERVICE - **FUEL** - Avbl 0700-1800Z++ Mon-Fri, 0630-1600Z++ Sat, 0830-1800Z++ Sun
(NC-100LL). Avbl 0600-2000Z++ Mon-Fri, 0600-1800Z++ Sat, 0800-2000Z++ Sun
(NC-A1).

REMARKS - Opr 0645-2200Z++ Mon-Fri, 0645-1915Z++ Sat, 0745-2200Z++Sun, O/T by
ang. **RSTD** - PPR. Twy btn N end of S apn and thld Rwy 12 is avbl for use only by acft with
wingspan up to 117'. Rpt LDA Rwy 23 is 5971'; Rwy 05 is 5994'. **CAUTION** - Deer haz.
CSTMS/AG/IMG - By ang. 6 hr PN rqr for European Union flts, 24 hr PN rqr for other flt.
MISC - PJE daylt hr Sat and Sun, 1.5 NM SW.

COMMUNICATIONS - **ATIS** - Opr 0630-2200Z Mon-Fri, 0630-1915Z Sat,
0730-2200Z++Sun (0530-2100Z sum). 109.2 **APP** - 122.6 **TWR** - 122.6 **RDR** - Call LOSSIE
RADAR (Low alt radar svc) (R) 119.35

AIRPORT/FACILITY DIRECTORY B-205

NAVAIDS - INVERNESS VORW-DME - L 109.200 INS CH 29 (060/25) N57°32.56' W4°02.49' At Fld. 58/(A)7°00.0'W DME avbl for apch and ldg use only and may unlock in sctr 154° - 194° byd 12 NM blw 7000'. **INVERNESS NDB** - HW 328.000 IVR N57°32.49' W4°02.76' At Fld. Unk/5°07.2'W **VHF/DF**
ILS/RADAR - ILS - BRG 055° LCZR ILN 108.5 GS 3° BRG 235° LCZR IDX 108.5 GS 3°

IOANNINA, (KING PYRROS) GR **LGIO** CIV N39°41.78' E20°49.35' 1558 UTC+2(+3DT)
H-15D, L-12G
RWY-14L50 (7874x148 ASP PCN 27 F/B/X/U) **L50 RWY-32**
←7480

SERVICE - LGT - PAPI Rwy 14 rcpt ltd to 5° either side of cntrline. PAPI Rwy 14 GS 3.02°, PAPI Rwy 32 GS 3.03°.

REMARKS - Opr by NOTAM. **CAUTION** - Bird haz.

COMMUNICATIONS - APP - (V) 118.6 O/S UFN **TWR - (V)** 132.2 257.8 (132.2 for APP/TWR) **AFIS - (V)** 132.2 257.8 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - IOANNINA TVORW-DME - HA 108.600 YNN CH 23 (060/25) N39°42.08' E20°49.20' At Fld. 1568/(A)2°0.0'E **IOANNINA NDB** - MHW 340.000 IOA N39°41.93' E20°48.97' At Fld. Unk/3°2.0'E
YNN VOR unuse 330°-090° byd 6 NM blw 10,000'

IOANNIS DASKALOGIANNIS, GR See SOUDA

IOANNIS KAPODISTRIAS INTL, GR **LGKR** CIV N39°36.12' E19°54.70' 6
UTC+2(+3DT) **H-15D, L-12G**
(B) **RWY-17**L6,50 (7792x148 ASP PCN 33 F/B/X/U) **L6,9,12,50 RWY-35**
6444→ ←7579

SERVICE - AOE LGT - ABn, white coded K. PAPI Rwy 17-35 rcpt ltd to 8° either side of cntrline. PAPI Rwy 35 GS 3.08°. **FUEL** - A1 (EKO Alda Abee, avail 0600 - 2000Z++, OT H24 PN, fone C30-66-10-45930) Caution: Quality Hold on A1. (NC-100LL)

REMARKS - CAUTION - Bird haz.

COMMUNICATIONS - ATIS - Opr 0500-2000Z 1 Apr-31 Oct 126.35

KERKIRA APP - (E) 118.075 122.1 122.35 278.25 **KERKIRA TWR - (E)** 120.85 122.1 257.8 **KERKIRA RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - GARITSA DTWORW-DME - T 108.800 GAR CH 25 (040/25) N39°36.38' E19°54.57' At Fld. 29/2°54.0'E **KERKIRA VORW-DME** - HA 114.700 KRK CH 94 (150/50) N39°26.63' E20°04.37' 322° 12.1 NM to Fld. 78/(A)0°00.0'E **KERKIRA NDB** - MHW 403.000 KEK N39°35.27' E19°54.70' At Fld. Unk/2°53.9'E

ILS/RADAR - RADAR - ASR - Call RADAR - 122.35 278.25 Opr 0500-1500Z++, OT when pers avbl - PAR - Call DIRECTOR - 118.075.

IPSA 3, SA **OEPK** PVT N27°57.25' E46°44.55' 1000 UTC+3 **H-14F, L-18E**
RWY-16L6 (6007x98 ASP) **L6,50 RWY-34**

SERVICE - FUEL - PN rqr. (NC-A1)

COMMUNICATIONS - CTAF - 122.8 **DISPATCH** - Opr SR-SS. 138.25

IRAKLION, GR See NIKOS KAZANTZAKIS

IRAN SHAHR, IR **OIZI** CIV N27°14.17' E60°43.21' 2037 UTC+3:30 **H-13D, L-18H**
(B) **RWY-17**L5 (7631x150 ASP PCN 30 F/B/Y/T) **L5 RWY-35**

REMARKS - Opr SR-SS. **RSTD** - 24hr PPR for non sched flt before est off back time fr Zahedan afld mgr.

COMMUNICATIONS - INFO - 121.7 121.9 122.7

B-206 AIRPORT/FACILITY DIRECTORY

NAVAIDS - IRAN SHAHR VORW-DME - HA 117.000 ISR CH 117 N27°14.06' E60°43.34'
At Fld. 2037/1°20.8'E **IRAN SHAHR NDB** - HHW 309.000 ISR N27°13.97' E60°43.05'
At Fld. 2037/1°22.0'E
ISR VOR/DME unusable byd 40 020°-120° blw 10,500'
DME 120°-210° blw 10,000'
210°-270° blw 9,000'
270°-320° blw 11,000'
320°-020° blw 9,000'

ISAFJORDUR, IC **BIIS** CIV N66°03.48' W23°08.12' 8 UTC 0 **H-1A, L-1A**
RWY-08 L6 (4593x148 BIT) **L6 RWY-26**

SERVICE - FUEL - (NC-100LL PN rqr, A1)

REMARKS - Opr 0700-1900Z Mon-Fri; 0800-1900Z Sat, Sun. OT O/R. **CAUTION** - Rwy is sfc dressing; use brakes with ctn and use as big a turning rad as possible. **CSTMS/IMG** - Avbl O/R. **MISC** - Ldg fees. **RWY** - Rwy PCN is 15.

COMMUNICATIONS - REYKJAVIK ACC - 119.7 **INFO** - 118.8

NAVAIDS - ISAFJORDUR NDB - MHW 385.000 IS N66°05.90' W23°02.33' 245° 3.4 NM to Fld. Unk/18°51.0'W Usable only wi 15 NM NW to NE.

ILS/RADAR - ➔ **LOC-DME** - BRG 331° LCZR IOG 110.1 CH 38 13 NM to Fld. Offset lczr apch.

ISFJORD, SV **NDB** - MHW 304.000 ISD N78°03.68' E13°36.02' Unk/3°26.0'E **T-2G**

ISKENDERUN, TU **LTAK** CIV N36°34.41' E36°09.24' 25 UTC+2(+3DT) **L-15C**
RWY-07 (3806x98 ASP) **RWY-25**

COMMUNICATIONS - INCIRLIK APP - 118.0 126.5

NAVAIDS - ISKENDERUN NDB - MHW 434.000 ISK N36°34.57' E36°09.60' At Fld. 25/4°17.6'E

ISLAY, UK **EGPI** CIV N55°40.92' W6°15.40' 56 UTC 0(+1DT) **H-2E-3D-5A, L-3B**
RWY-08 L7 (2083x59 ASP PCN 14 F/D/Y/T) **L7 RWY-26**

RWY-13 L7,20,50 (5069x151 ASP PCN 18 F/D/Y/T) **L7,50 RWY-31**
4577➔ **←1886**
←4577

SERVICE - LGT - PAPI Rwy 31 GS 4°. **FUEL** - (NC-100LL).

REMARKS - Opr 0930-1745Z++ Mon-Fri, 0930-1030Z++ Sat. OT by arng. **RSTD** - PPR **CAUTION** - Gldr act SR-SS. Aerial cables to 300' 1 NM E of arpt. Rpt LDA for Rwy 13 is 4085'; for Rwy 31 is 4035'.

COMMUNICATIONS - INFO - 123.15 Usable only wi 10NM and blw 3,000'.

NAVAIDS - ISLAY DME - T ISY CH 36(Y) N55°40.98' W6°14.96' At Fld. 70/5°39.6'W Co-lctd with LAY NDB. DME may unlock in sctr 060°-080° due to terrain effect. Opr dur arpt hr.

ISLAY NDB - MHW 395.000 LAY N55°40.97' W6°14.97' At Fld. 58/5°39.6'W Co-lctd with ISY DME. Opr dur arpt hr.

ISLE OF MAN, (RONALDSWAY) IM **EGNS** CIV N54°05.00' W4°37.43' 52
UTC 0(+1DT) **H-3D-5A, L-3B**

RWY-03 L5,50 (3934x151 ASP PCN 28 F/B/X/T) **L5,23,50 RWY-21**
3622➔

RWY-08 L4,5,23,50 (5751x151 ASP PCN 32 F/C/X/T) **L4,5,33,50 RWY-26**
4800➔ **←5292**

SERVICE - AOE LGT - PAPI Rwy 21 GS 3.5°; Rwy 03, 08, 21, 26 HIRL bi-direc with LIRL omni-direc component. **FUEL** - Avbl 0630-2030Z++ (NC-100LL, A1) **OIL** - O-123-125

REMARKS - Opr 0615-2045Z++ Mon-Sat, 0700-2045Z++ Sun, OT by arng. **RSTD** - NORDO PPR. No ngt OPS Rwy 17-35. Rpt LDA Rwy 21 is 4022', rpt LDA Rwy 35 is 2946'.

CAUTION - Hi terrain E of Rwy 21, estab on RCL before descent using PAPI. A known windshear problem exists on short final for Rwy 08 when the wind is fr the SE. Bird haz.

CSTMS/AG/IMG - PPR by 1600Z++ prev day.

AIRPORT/FACILITY DIRECTORY B-207

COMMUNICATIONS - ATIS - Opr 0600-2045Z++ Mon-Sat, 0645-2045Z++ Sun, OT by arng. 123.875 **RONALDSWAY APP** - Intmt (R) 120.85 **REMARKS**: Opr 0600-2045Z++ Mon-Sat, 0645-2045Z++ Sun, OT by arng. **RONALDSWAY TWR** - Opr 0600-2045Z++ Mon-Sat, 0645-2045Z++ Sun, OT by arng. 118.9

NAVAIDS - ISLE OF MAN VORW-DME - HA 112.200 IOM CH 59 (060/50) N54°04.01' W4°45.81' 084° 5.0 NM to Fld. 573/(A)6°00.0'W **CARNANE NDB** - HHW 366.500 CAR N54°08.47' W4°29.50' 239° 5.8 NM to Fld. Unk/4°31.1'W **VHF/DF**

ILS/RADAR - ➔**ILS-DME** - BRG 087° LCZR I-RH 111.15 CH 48(Y) GS 3° ➔ **ILS-DME** - BRG 263° LCZR I-RY 111.15 CH 48(Y) GS 3° ■ **RADAR** - Call RONALDSWAY RADAR - 120.85 d118.2 d125.3

ISPARTA, TU **VORW-DME** - HA 117.500 IPT CH 122 N37°51.07' E30°21.50' At SULEYMAN DEMIREL. 2841/4°1.0'E **NDB** - HW 349.000 IPT N37°51.20' E30°21.50' At SULEYMAN DEMIREL. Unk/4°3.0'E **H-15E-16F, L-15A**

ISPARTA INTL, TU See SULEYMAN DEMIREL

ISTANBUL ACC, TU **LTBB** (CIV) **CON - (R) (E) GND-FL255** - 119.3 119.3 132.6 132.6 362.3 362.3 **FL255-FL325** - 132.4 136.15 362.3 **FL325-FL460** - 132.15 135.4 362.3 **S sctr** - 119.5 119.5 120.1 120.1 128.60 128.60 128.7 128.7 129.3 129.3 132.9 132.9 311.4 311.4 314.8 314.8 362.3 362.3 **H-4H-10H, L-12H-14H-15A, B**

ISTANBUL, TU **VORTACW** - HA 112.500 IST CH 72 N40°57.75' E28°48.58' At ATATURK. 108/(A)2°00.0'E **H-4H, L-15A**

ISTRANA, (V BRAGADIN) IT **LIPS MIL** N45°41.09' E12°04.97' 137 UTC+1(+2DT)

H-7D, L-9C
(B) **RWY-08 L7,9** (9816x105 ASP SWL66) L7,9,33 **RWY-26**
8860→ ←8863
←NET SAFEBAR (522') HOOK BAK-12A(B) (1530')
HOOK BAK-12A(B) (1264') NET SAFEBAR (246') →

SERVICE - LGT - Rwy lgt are lctd 13' off rwy. **JASU** - Atlas Copco M26-6D P60 T-MD60D Hobart Atlas B Atlas D. Nr unk. **FUEL** - J8 **FLUID** - Avbl 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri. **HPOX LOX OIL** - O-148-149-156 **TRAN ALERT** - H24

REMARKS - RSTD - PPR H24, PPR Nr on FPL. **MISC** - Porous friction sfc, no 180° turns or jet runup perm on this sfc. Fst 270' Rwy 26 and fst 276' Rwy 08 conc.

COMMUNICATIONS - TREVISO APP - (R) (E) 120.4 122.1 121.15X 234.875 379.525 362.3 **TWR - (E)** 122.1 257.8 234.1 **GND** - 279.5 **EMERG** - 243.4 (243.4 O/S UFN)

NAVAIDS - ISTRANA TACAN - HA ISA CH 54 (200/60) N45°41.25' E12°07.02' 262° 1.4 NM to Fld. 189/1°45.5'E MP 0500-0700Z++ 1st and 3rd Fri. **ISTRANA NDB** - MHW 340.000 ISA N45°41.92' E12°13.70' 261° 6.2 NM to Fld. Unk/1°47.1'E MP 1000-1300Z++ 1st and 3rd Thu. **UHF/DF**

ISA TACAN MRA 40 NM	050°-250° 4000'
	250°-050° 15,000'
ISA NDB MRA 50 NM	020°-050° 8000'
	050°-250° 2000'
	250°-290° 8000'
	290°-020° 13,000'

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

ISTRES, FR **TACAN** - HA ITR CH 104 (200/60) N43°31.56' E4°55.62' At LE TUBE. 82/(A)1°0.0'W (300/60 S) **NDB** - MHW 390.500 ITR N43°31.57' E4°55.80' At LE TUBE. 82/0°3.0'E **H-7B-15A, L-11D**

IVALO, FI **EFIV CIV** N68°36.44' E27°24.32' 481 UTC+2(+3DT) **H-1D, L-1D**
RWY-04 L5,33,50 (8199x148 ASP PCN 100 F/A/W/T) L5,33,50 **RWY-22**
RWY-08 L7 (2625x148 ASP PCN 13 F/B/X/T) L7 **RWY-26**

SERVICE - AOE **LGT** - PAPI Rwy 04 GS 3.2°. **FUEL** - Avbl dur twr hr, fone C016-6758650/049-458313; OT C0400-458313. (NC-100LL, A1) **FLUID** - De-Ice

B-208 AIRPORT/FACILITY DIRECTORY

REMARKS - Opr HO. **RSTD** - Rwy 08-26 clsd yearly btn 1 Oct and 31 May. **MISC** - Class D
Airspace eff twr hrs, OT Class G.

COMMUNICATIONS - **ATIS** - Opr H24. 123.2 **TWR** - (V) 118.0 119.7

NAVAIDS - **AKUJARVI NDB** - MHW 432.000 AKU N68°40.70' E27°36.88' 216° 6.3 NM
to Fld. Unk/10°57.7'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 217° LCZR IV 109.9 CH 36 GS 3°

IZKI, MU **VORW-DME** - HA 113.500 IZK CH 82 N22°53.31' E57°45.71' 1676/(A)0°0.0'E
IZK VOR-DME unuse 010°-049° byd 10 NM blw FL 90
240°-320° byd 17 NM blw FL 140
050°-090° all alt
320°-010° byd 20 NM blw FL 160

H-14G, L-20H

IZMIR, TU **VORW-DME** - HA 113.700 IMR CH 84 N38°19.03' E27°00.43' 3304/(A)0°00.0'E
H-15E, L-12H-15A

J. HOZMAN, IS See EILAT

JABLONKA, PL **VORW-DME** - HA 116.400 JAB CH 111 N49°28.97' E19°40.72'
2264/(A)3°00.0'E **NDB** - HW 387.000 JAB N49°28.60' E19°41.64' Unk/3°40.9'E
H-8G-6J, L-22F

JAGEL, GM See SCHLESWIG

JAHROM, IR **OISJ** CIV N28°35.20' E53°34.75' 3358 UTC+3:30 **H-13C, L-18F**
RWY-08 (7899x98 ASP PCN 25 F/C/Y/T) **RWY-26**

REMARKS - O/R

COMMUNICATIONS - **INFO** - 121.7

NAVAIDS - **JAHROM NDB** - HW 374.000 JRM N28°35.12' E53°35.04' At Fld. 3350/2°17.0'E
O/R

JAM, IR **OIBJ** CIV N27°49.23' E52°21.13' 2173 UTC+3:30 **H-13C, L-18F**
(B) **RWY-11** L6,50 (7711x148 ASP PCN 32 F/C/X/T) **L6 RWY-29**

SERVICE - LGT - PAPI Rwy 11 GS 3.3°. Afld bcn flg green and orange. **FUEL** - (NC-A1)

REMARKS - Opr SR-SS, OT PPR. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - **INFO** - (V) 121.65 124.35

NAVAIDS - **JAM VORW-DME** - HA 116.800 JAM CH 115 N27°49.31' E52°20.58' At Fld.

2173/2°16.0'E **JAM NDB** - HHW 385.000 JAM N27°49.39' E52°20.38' At Fld.
2173/2°16.0'E

JAM VOR-DME unuse 030°-100° byd 20 NM blw 7000'
100°-130° byd 20 NM blw 7500'
130°-150° byd 20 NM blw 8000'
150°-240° byd 20 NM blw 7500'
240°-320° byd 20 NM blw 7000'
320°-350° byd 20 NM blw 7500'
350°-030° byd 20 NM blw 8000'
030°-070° byd 40 NM blw 11,000'
070°-110° byd 40 NM blw 12,000'
110°-260° byd 40 NM blw 15,000'
260°-320° byd 40 NM blw 13,000'
320°-030° byd 40 NM blw 14,000'

JAN MAYEN, JN **NDB** - HW 362.000 JAN N70°57.67' W8°34.55' 20/11°44.0'W
H-1C-4I, L-1B

AIRPORT/FACILITY DIRECTORY B-209

JANOVCE, LO **VORW-DME** - HA 110.800 JAN CH 45 N48°10.72' E17°32.68' 265°
13.3 NM to M R STEFANIK. 423/(A)1°00.0'E **H-4E-6J, L-10F**

JASIONKA, PL **EPRZ** CIV N50°06.60' E22°01.14' 675 UTC+1(+2DT) **H-8G, L-22G**
RWY-08 (2700x1125 GRS) **RWY-26**
RWY-09 L5,13,50 (10499x148 CON PCN 51 R/B/X/T) L2,5,35,50 **RWY-27**
SERVICE - AOE **FUEL** - Opr 0500-2100Z++ Mon-Sat; 1000-2100Z++ Sun. (NC-100LL, A1)
REMARKS - Opr 0500-2100Z++ **MISC** - 8209x328 grass emerg ldg strip lctd S side of rwy.
COMMUNICATIONS - **RZESZOW TWR** - Opr H24. 126.8
NAVAIDS - **RZESZOW VORW-DME** - HA 116.200 RZE CH 109 N50°06.59' E22°05.93' 267°
3.1 NM to Fld. 689/(A)3°00.0'E **RZESZOW NDB** - HW 440.000 OR N50°06.62' E21°59.21'
088° 1.2 NM to Fld. Unk/4°17.4'E **RZESZOW NDB** - HW 474.000 RZ N50°06.52'
E22°08.04' 271° 4.4 NM to Fld. Unk/4°19.5'E

JASK, IR **TACAN** - T JSK CH 110 N25°38.77' E57°47.03' 13/1°18.3'E O/S UFN.
H-13D, L-18G

JASZBERENY, HU **NDB** - HHW 517.000 JBR N47°29.63' E19°53.68' Unk/3°32.2'E
L-10F

JAYENA, SP **LE--/LE84** CIV N36°55.84' W3°50.12' 3654 UTC+1(+2DT) **L-13C**
RWY-09 (3695x30 ASP) **RWY-27**

JEBEL DHANA, AE **OMAJ** PVT N24°11.25' E52°36.84' 43 UTC+4 **H-14G, L-20H**
RWY-13 L7,34,50 (7218x151 MAC) L7,34,50 **RWY-31**
REMARKS - Opr SR-SS.
COMMUNICATIONS - **OPS** - (V) 118.1
NAVAIDS - **JEBEL DHANA NDB** - HHW 302.500 JD N24°11.60' E52°37.50' At Fld.
Unk/1°38.5'E

JEDDAH ACC/FIC, SA **OEJD** CIV **CON** - (R) (V) **N Sctr** - 134.8 133.3 134.4 128.1
132.9 345.6 **E Sctr** - 134.4 128.1 133.8 134.3 344.0 **S Sctr** - 132.1 132.7 125.35 133.9
133.1 132.4 133.8 327.0 344.5 346.8 **W Sctr** - 132.6 134.0 132.3 133.7 132.9 340.5 343.5
Central Sctr - 126.5 134.3 125.45 **Upper Sctr** - 119.1 358.7
H-12H, 13A-B-C, 14E-F, L-16F-G-H, 18E, 20F-G

JEDOW, PL **VORW-DME** - HA 115.600 JED CH 103 N50°38.84' E20°15.07'
984/(A)2°00.0'E **H-8G, L-22F**

JENA SCHONGLEINA, GM **EDBJ** CIV N50°54.91' E11°42.87' 1228
UTC+1(+2DT) **L-5C,D**
RWY-02 L7,9,50 (3960x75 ASP) L7,9,50 **RWY-20**
RWY-08 (2000x100 GRS) **RWY-26**
SERVICE - **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0500-0800Z++; OT O/R (O/R 0700-2000Z sum). **CSTMS/AG/IMG** - 24hr
PPR before ARR/DEP. C0345-5602700.
COMMUNICATIONS - **BERLIN INFO** - (E) 125.8 **INFO** - 122.05 15 NM to 3000 ft AGL.
NAVAIDS - **VHF/DF**

JEREZ, SP **LEJR** CIV N36°44.68' W6°03.61' 93 UTC+1(+2DT) **H-16H, L-13C**
RWY-02 L5,9,50 (7546x148 ASP PCN 66 F/B/W/T) L5,33,50 **RWY-20**
SERVICE - **FUEL** - (NC-100LL, A1) **OIL** - 0-125
REMARKS - Opr 0600-2200Z++ ps 1 hr PPR **CSTMS/IMG** - Avbl.
COMMUNICATIONS - **APP** - 128.5 **TWR** - (E) 118.55 257.8 **GND** - 121.6

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NAVAIDS - JEREZ VORW-DME - T 113.000 JRZ CH 77 N36°48.91' W6°01.59' 201° 4.5 NM to Fld. 285/2°49.9'W **JEREZ NDB/LOM** - HW 433.000 JER N36°50.07' W6°00.97' 205° 5.8 NM to Fld. Unk/2°49.8'W **VHF/DF**
ILS/RADAR - ILS/DME 21

JERSEY, JE EGJJ CIV N49°12.48' W2°11.73' 277 UTC 0(+1DT) **H-3C-6F, L-7B**
RWY-09 L45,38,50 (5597x151 ASP PCN 39 F/A/X/T) L45,33,50 **RWY-27**
5397→ ←5298

SERVICE - FUEL - (NC-100LL avbl til 1930Z++, A1 avbl til 2000Z++, OT by arng) **OIL** - O-123

REMARKS - Opr 0700-2100Z++, OT by arng. **RSTD** - PPR. Arpt not avbl aft 2359Z til notified opening time exp for emerg or ambulance flt. **CAUTION** - Twy A unavbl to large acft (B757 etc). Large acft will have to back taxi on rwy and should use turnaround at apch end of Rwy 27. Twy D rstd to a max wt of 66,138 lbs. Lgt twr 462' AGL 044° 3.7 NM fr fld. **CSMTS/IMG** - Avbl. **MISC** - Ldg fees.

COMMUNICATIONS - INFO - Opr 0515-2100Z (0415-2030Z sum). 112.2 129.725 **APP** - Opr 0515-2100Z (0415-2030Z sum), OT by arng. **(R) (V)** 120.3 **TWR** - Opr 0515-2100Z (0415-2030Z sum), OT by arng. 119.45 **GND** - Opr 0630-1800Z Mon-Fri, 0630-1900Z Sat, Sun (sum). 121.9 **RDR** - Opr 0530-0730Z (0415-0630Z sum). **(R)** 118.55 125.2 120.3 120.45

NAVAIDS - JERSEY VORW-DME - HA 112.200 JSY CH 59 (040/50) N49°13.27' W2°02.77' 265° 5.9 NM to Fld. 276/(A)4°00.0'W (60/50 184°-047°)

ILS/RADAR - ➔ ILS-DME - BRG 087° LCZR I-JJ 110.9 CH 46 GS 3° ➔ **ILS-DME** - BRG 267° LCZR I-DD 110.3 CH 40 GS 3° ■ **RADAR** - Call RADAR - 118.55 120.3 120.45 125.2

JERUSALEM, (ATAROT) WE OJJR CIV N31°51.88' E35°13.15' 2485 UTC+2(+3DT)
H-13A-16G, L-16F, T-2F
(B) **RWY-12** L5,50 (6447x148 ASP PCN 15 F/B/X/T) L5,9,50 **RWY-30**
←6043

SERVICE - LGT - PAPI Rwy 12 GS 4°, PAPI Rwy 12-30 lt side only. **FUEL** - Avbl 0600-1400Z++ Sun-Thu, 0600-1300Z++ Fri and hol evenings, 24 hr PN rqr Sat and hol. (NC-100LL, A1)

REMARKS - **RSTD** - Ovft of cities of Jerusalem and Bethlehem on Sat and hol blw 6000' proh. **CSMTS/IMG** - Avbl. **MISC** - Arpt is under admin of Israel. Ldg fees rqr.

COMMUNICATIONS - ATIS - Opr 0430-1600Z++ 132.65 **TWR - (V)** 118.8 122.85

NAVAIDS - JERUSALEM NDB - HW 336.000 IRM N31°51.80' E35°12.98' At Fld. 2485/3°40.9'E (35 NM-W) **VHF/DF**

ILS/RADAR - ➔ ILS - BRG 293° LCZR IR 111.9 GS 3.0°

JEVER, (SCHORTENS) GM ETNJ MIL N53°32.01' E7°53.32' 24 UTC+1(+2DT) **H-5C, L-5B**
(B) **RWY-10** L25,9,24,50,53 (8136x98 PEM) L25,9,24,50,53 **RWY-28**
HOOK 44B-2D (23' OVRN) HOOK 44B-2L(B) (1300')

HOOK 44B-2L(B) (1300') HOOK 44B-2D (EOR)

SERVICE - AOE LGT - Red ovrn lgts, 900' both ends. **A-GEAR** - HOOK 44B-2L(B) O/R 15 min. **JASU** - 1(GPE-160) **FUEL** - J8 **FLUID** - PRESAIR LHOX LOX **OIL** - O-133-148-156

REMARKS - Clsd hol. **RSTD** - PPR 24 hrs. **MISC** - Fone C04461-18-0, extn 1319. **RWY** - Rwy 10-28 TODA 9039'.

COMMUNICATIONS - BREMEN CON - (R) (E) 124.075 313.225 **TWR - (E)** 118.725 122.1 138.15X 257.8 379.25 **WITTMUND RADAR - (R) (E)** 123.3 123.6X 248.05 258.7 344.0 385.4

NAVAIDS - WITTMUNDHAFEN TACAN - HA WTM CH 82 (060/50) N53°33.26' E7°43.51' 102° 6.0 NM to Fld. 61/(A)0°00.0'E

JIJEL, (FERHAT ABBAS) AG DAAV CIV N36°47.71' E5°52.42' 36 UTC+1 **H-9C, L-14E**
RWY-17 L50 (7874x148 ASP PCN 60 F/D/X/T) L50 **RWY-35**

REMARKS - Opr 0700-1500Z, non-sked flt PN before 1400Z prev day to DAAVYDYP.

COMMUNICATIONS - TWR - 119.7

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NAVAIDS - JIJEL VORW-DME - HA 117.900 JIL CH 126 N36°46.60' E5°52.63' 352° 1.1 NM to Fld. 49/0°21.8'E

JIROFT, (SABZEVARAN) IR **OIKJ** CIV N28°43.62' E57°40.22' 2663 UTC+3:30
H-13D, L-18G
RWY-13 (7236x98 ASP PCN 25 F/C/Y/T) **RWY-31**
REMARKS - Opr 0330-1130Z Sat-Wed, OT O/R. **RSTD** - PPR for non-sched flt.
COMMUNICATIONS - INFO - 118.65
NAVAIDS - JIROFT NDB - HHW 276.000 JIR N28°43.88' E57°40.33' At Fld. 2663/1°56.0'E

JIWANI, PK **VORW-DME** - L 112.700 JI CH 74 N25°03.83' E61°47.73' 227/(A)0°0.0'E
NDB - HW 330.000 JI N25°04.30' E61°47.98' 282/0°49.7'E **L-18H**

JOAO PAULO II, PO See PONTA DELGADA

JODAY, LY **NDB** - HHW 328.000 TRO N32°47.75' E12°49.67' Unk/1°27.2'E **H-10E, L-14F**

JOENSUU, FI **EFJO** CIV N62°39.77' E29°36.45' 398 UTC+2(+3DT) **H-1D, L-1D**
RWY-10 L5,38,50 (8202x171 ASP PCN 50 F/B/W/U) L5,30,50 **RWY-28**
RWY-17 (3937x98 COM PCN 2 F/C/Z/T) **RWY-35**
SERVICE - FUEL - 3 hr PN rqr. (NC-100LL, A1)
REMARKS - Opr HO. **CSTMS/IMG** - Avbl HO. **MISC** - Ldg fees. Class D Airspace eff twr hr, OT Class G.
COMMUNICATIONS - ATIS - Opr H24. 115.7 **TWR** - . (V) 120.9 119.7
NAVAIDS - JOSIE DVORW-DME - HA 115.700 JNS CH 104 N62°39.63' E29°36.63' At Fld. 413/(A)7°00.0'E **JOENSUU NDB** - MHW 325.000 JOE N62°41.16' E29°28.32' 101° 4.0 NM to Fld. Unk/9°42.7'E **VHF/DF**
ILS/RADAR - ➔ **ILS-DME** - BRG 281° LCZR JO 109.5 CH 32 GS 3° LOM JP 401.

JOIGNY, FR **LFGK** CIV N47°59.53' E3°23.53' 732 UTC+1(+2DT) **L-7D**
RWY-08 (3510x98 ASP S23) **RWY-26**
3083➔ ←2768
SERVICE - FUEL - (NC-100LL)
REMARKS - Opr HX. **RSTD** - Avoid ovft of Joigny.

JOKKMOKK, SW **ESNJ** MIL (CIV) N66°29.77' E20°08.83' 904 UTC+1(+2DT)
H-1C, L-1D
RWY-14 L5,50 (6562x82 ASP PCN 20 F/B/X/T) L2,57,50 **RWY-32**
←J-BAR UNK (525' OVRN)
SERVICE - LGT - Mil PAPI both rwy GS 2.86°, Civ PAPI Rwy 14 MEHT 15'.
REMARKS - **RSTD** - Mil PPR C+46 (0)971 559 28. Civ PPR 24 hr PN fone C+46 (0)971 172 92. **CAUTION** - Rwy 14 has two painted thld. Mil is at apch end and civ is displ 2260'. Exp downdrafts with W wind. **MISC** - Kallax fone C+46 (0)920 23 40 00. Altn AFIS O/R fone C+46 (0)703 11 36 71. Ldg fees, INCR charges outside sked AFIS hr.
COMMUNICATIONS - CON - Opr by mil NOTAM thru Kallax. Provides TWR svc. (V) 133.0 124.85 **AFIS** - Opr 0600-1500Z++ Mon-Thu, 0600-1100Z++ Fri, OT O/R 24 hr PN fr civ PPR. (V) 124.85 **MIL INFO** - O/R thru Kallax. 124.85
NAVAIDS - VHF/DF

JONKOPING, SW **ESGJ** CIV N57°45.46' E14°04.12' 741 UTC+1(+2DT) **H-2G, L-2F**
RWY-01 L5,11,50 (7228x148 ASP PCN 55 F/B/X/T) L5,11,50 **RWY-19**
RWY-11 (1969x82 GRE) **RWY-29**
SERVICE - FUEL - Avbl dur Twr hr. (NC-100LL, A1)
REMARKS - **RSTD** - PPR for ops outside Twr opr hr. **CSTMS/IMG** - CSTMS avbl dur Twr hr. **MISC** - Opr hr of Twr and svc may be reduced around hol by NOTAM. Ldg fees, INCR charges outside Twr opr hr.

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COMMUNICATIONS - TWR - Opr 0445-2230Z++ Mon-Fri, 0515-0545Z++ , 1130-1245Z++
Sat, 1130-2230Z++ Sun. **(R) (V)** 118.25

NAVAIDS - JONKOPING DVORW-DME - HA 115.800 JON CH 105 (100/50) N57°45.63'
E14°03.93' At Fld. 772/(A)2°00.0'E **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 196° LCZR SJ 109.9 GS 3°. LOM OA 338

JOSIE, FI **DVORW-DME** - HA 115.700 JNS CH 104 N62°39.63' E29°36.63' At JOENSUU.
413/(A)7°00.0'E **H-1D, L-1D**

JUBAIL, SA **OEJB** MIL N27°02.34' E49°24.30' 26 UTC+3 **H-14F, L-18F**
RWY-17 L7A,50 (13124x148 ASP PCN 52 R/B/W/T) L7A,50 **RWY-35**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr SR-SS. **RSTD** - PPR O/R 6 hr PN King Abdulaziz Navy Base. Fone
C03-341-6023/6031/6040, FAX C03-341-6005, 0430-1130Z.

COMMUNICATIONS - DHAHRAN APP - H24 **(R) (E)** 130.5 125.1 318.95 250.8 310.5

TWR - Opr 0400-1600Z. 120.5 341.3 **GND** - 121.9 347.1

NAVAIDS - JUBAIL DVORW-DME - HA 112.900 JBL CH 76 N27°02.37' E49°24.42' At Fld.
25/2°27.3'E

ILS/RADAR - **ILS-DME** - 35

JULIETT-PAPA, FI **NDB** - MHW 401.000 JP N62°38.27' E29°45.45' Unk/9°48.7'E **L-1D**

JULIETT-ROMEO, FI **NDB/LOM** - MHW 370.000 JR N62°13.51' E27°46.83'
Unk/8°50.9'E **H-1D-2H, L-1D**

JYVASKYLA, FI **EFJY** CIV N62°23.97' E25°40.70' 459 UTC+2(+3DT) **H-1D-2H, L-1D**
RWY-12 L5,33,50 (8533x197 ASP PCN 67 F/A/W/T) L5,39,50 **RWY-30**
←NET UNK (260' OVRN) NET UNK (260' OVRN) →

SERVICE - LGT - PAPI Rwy 12 GS 3.5°. **FUEL** - Avbl 0530-1400Z Mon-Fri, OT 3 hr PN.
(NC-100LL, A1) **FLUID** - De-Ice

REMARKS - Opr HO. **CSTMS/IMG** - CSTMS avbl HO 1.5 hr PN rqr dur office hr 0600-1415Z
Mon-Fri, (0600-1315Z Jul-Aug). IMG avbl H24. **MISC** - Ldg fees. Class D Airspace eff twr
hr, OT Class G.

COMMUNICATIONS - ATIS - Opr H24. 134.15 **APP - (R) (V)** 119.7 127.0 **TWR - (V)** 118.0
119.7

NAVAIDS - LUONET DVORW-DME - HA 112.300 LNE CH 70 N62°25.25' E25°37.40' 124°
2.0 NM to Fld. 696/(A)6°00.0'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 307° LCZR JY 110.9 CH 46 GS 3° Coverage ± 40° LOM JYV
296 LMM L 306 ■ **RADAR** - ASR - Call RADAR 119.7 127.0 128.8. PAR - Call Precision 130.2
119.7.

KABUL ACC/FIC, AF **OAKX** (CATA) **CON** - **(V)** 120.9 **INFO** - 10018 5658 3467
H-13D, L-17D, 18H

KADIFEKALE, TU **NDB** - HHW 330.000 KAD N38°24.82' E27°08.90' Unk/3°44.5'E
L-12H-15A

KADRA, LY **NDB** - HW 314.000 KDR N32°22.00' E13°37.00' Unk/1°32.7'E **H-10E, L-14F**

KADUGLI, SU **HSLI** CIV N11°08.28' E29°42.07' 1848 UTC+3 **L-20F**
RWY-06 (8375x175 ASP) **RWY-24**

REMARKS - Opr 0400-1600Z. **CSTMS/IMG** - Avbl O/R.

COMMUNICATIONS - INFO - Opr SR-SS. 120.7

KAEDI, MR **GQNK** CIV N16°09.57' W13°30.46' 75 UTC 0 **H-11B, L-19A**
RWY-07 (8202x148 ASP) **RWY-25**

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SERVICE - FUEL - Opr 0800-1230Z, 1445-1900Z Mon-Fri, 0800-1215Z Sat, OT O/R to GQNNYDYX. (NC-100LL, J)

REMARKS - Opr SR+15-SS+15. **RSTD** - 180° turn only at rwy end.

COMMUNICATIONS - INFO - Opr HS OT O/R 24hr. 118.9

NAVAIDS - KAEDI NDB - MHW 289.000 KAE N16°09.40' W13°30.44' At Fld.
Unk/6°51.7'W

KAHRAMANMARAS, TU **LTCN** CIV N37°32.34' E36°57.20' 1723 UTC+2(+3DT)

H-13A, L-15C

(B) **RWY-08** L6,43

(7546x98 ASP PCN 87 F/C/W/T)

L6,13,43 **RWY-26**

←6562

REMARKS - Opr by NOTAM.

COMMUNICATIONS - TWR - 118.75 387.775 **SAR** - 123.1 282.8

NAVAIDS - KAHRAMANMARAS VORW-DME - HA 113.900 KHM CH 86 N37°32.28' E36°57.22' At Fld. 1723/4°28.7'E **KAHRAMANMARAS NDB** - MHW 374.000 KHM N37°32.28' E36°57.22' At Fld. 1723/4°28.7'E

KAHRIZAK, IR **NDB** - MHW 358.000 KAZ N35°31.00' E51°22.01' 3298/3°59.8'E

H-13C, L-17B

KAINUU, FI **VORW-DME** - HA 114.900 KNI CH 96 N64°16.95' E27°39.35' 071° 1.0 NM

to KAJAANI. 447/(A)8°00.0'E **H-1D, L-1D**

KAISERSLAUTERN DEPOT AHP, GM **ETED** A N49°26.87' E7°50.37'

(32UMV1588777895) 886 UTC+1(+2DT)

(50x50 CON UH60)

REMARKS - Unattended. Opr SR-SS. **RSTD** - 1 hr PPR, fone DSN 483-3030/8028; CELL 0162-2341038 or C0631-414-3030/8028. **CAUTION** - Acft must maint at least 120' fr all bldg. Bldg N and W quad. Avoid ovft depot. Former Cross on PSP pad atop small hill. Small 15' windsock 50M N. **MISC** - Rhine Ordnance Barracks (On-site cantonement ldg area), 32 UMW 05897805, N49°26.80 E07°42.10, Unattended. **RSTD** - PPR fone DSN 493-2224/2225, C0631-340-6224.

KAJAANI, FI **EFKI** CIV N64°17.13' E27°41.54' 483 UTC+2(+3DT) **H-1D, L-1D**

RWY-07 L5,33,50

(8199x157 ASP PCN 63 F/B/W/T)

L5,38,50 **RWY-25**

SERVICE - FUEL - Avbl O/R 1 hr PN, fone C358-400-584 815. (NC-100LL, A1)

REMARKS - Opr HO. **CAUTION** - Bird haz migration rte Mar thru May and Sep thru Nov.

CSTMS/IMG - CSTMS avbl with 1.5 hr PN, IMG avbl with 2 hr PN. Req for svc dur office hr: 0600-1415Z++ Mon-Fri. **MISC** - Ldg fees.

COMMUNICATIONS - ATIS - Opr H24. 114.9 **AFIS - (V)** 118.1 119.7

NAVAIDS - KAINUU VORW-DME - HA 114.900 KNI CH 96 N64°16.95' E27°39.35' 071°

1.0 NM to Fld. 447/(A)8°00.0'E **KAJAANI NDB** - MHW 337.000 KAJ N64°16.38'

E27°31.79' 071° 4.3 NM to Fld. 483/9°24.9'E **VHF/DF**

ILS/RADAR - **→ILS-DME** - BRG 071° LCZR KI 109.9 CH 36 GS 3°

KAKLIC, (CIGLI WEST) TU **LTFA** MIL N38°31.06' E26°58.64' 13 UTC+2(+3DT)

H-15E, L-12H-15A

(B) **RWY-17** LA,43,55

(9844x148 ASP)

L43,55 **RWY-35**

←HOOK UNK (165' OVRN) HOOK UNK(B) (1400')

HOOK UNK(B) (1400') HOOK UNK (184' OVRN) →

REMARKS - Opr 0600-1630Z++ Mon-Fri; OT 3 hr PPR. **CAUTION** - Ints Turkish Undergraduate Pilot Trng in progress 0545-1500Z++ Mon-Fri, 0545-1100Z++ Sat. Freq ngf flying at Cigli 2 NM E.

COMMUNICATIONS - MENDERES APP - (R) (V) 120.1 132.9 314.8 362.3

TWR - (E) 122.1 **GND** - 121.95

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NAVAIDS - KAKLIC TACAN - T KLC CH 115 N38°30.84' E26°58.43' At Fld. 22/3°44.0'E
CIGLI TACAN - T CIG CH 83 N38°29.70' E27°00.54' 312° 2.0 NM to Fld. 52/3°44.0'E
CIGLI NDB - MHW 363.000 CIG N38°31.85' E27°01.03' 247° 2.0 NM to Fld. 17/3°44.0'E

KAKMA, HR **NDB** - HW 330.000 ZRA N43°59.83' E15°29.79' 314° 9.3 NM to ZADAR.
211/2°25.3'E **L-12F**

KALAJOKI, FI **EFKO** CIV N64°13.72' E23°49.58' 43 UTC+2(+3DT) **L-1D**
RWY-05 (3937x98 ASP) **RWY-23**
3281→ ←3281
REMARKS - Opr HX.
COMMUNICATIONS - **RDO** - 123.4

KALALEH, IR **OINE** CIV N37°23.00' E55°27.12' 425 UTC+3:30 **H-13C, L-17B**
RWY-10 (7277x92 ASP PCN 29 F/C/Y/T) **RWY-28**
REMARKS - Opr O/R.
COMMUNICATIONS - **AFIS** - (V) 121.9 121.7
NAVAIDS - **KALALEH NDB** - HHW 325.000 KLH N37°23.30' E55°27.40' At Fld.
500/4°19.1'E

KALAMATA, GR **LGKL** MIL N37°04.10' E22°01.53' 26 UTC+2(+3DT) **H-15D, L-14G**
(B) **RWY-17R** L6,9,50 (9260x148 ASP) L6,9,33,50 **RWY-35L**
9020→ ←9010
←NET RAF (EOR) HOOK 500S-6(B) (1915') HOOK 500S-6(B) (1850') NET RAF (EOR) →
SERVICE - **A-GEAR** - 15 min PN. **JASU** - 1(ST22/28) **FUEL** - 115/145, J4(Mil), (NC- A1); 24 hr
PN in win.
REMARKS - Opr by NOTAM. **RSTD** - Pilots are req to ctc twr, five min before start-up, for
gnd tfc security reasons. For protection of arresting barrier nets, start tkof 197' inward fr
thld Rwy 17R-35L. **CAUTION** - Parl Twy marked 17L-35R but used only as Twy.
CSTMS/IMG - Avbl H24, 4 hr PN.
COMMUNICATIONS - **APP** - (E) 120.75 122.1 362.3 **TWR** - (E) 120.75 122.1 257.8
RDO - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)
NAVAIDS - **KALAMATA VORW-DME** - L 112.600 KAM CH 73 (040/25) N37°03.99'
E22°01.43' At Fld. 32/2°59.7'E **KALAMATA TACAN** - T KLM CH 99 (100/25) N37°04.60'
E22°01.13' At Fld. 27/2°59.7'E Opr SR-SS. **KALAMATA NDB** - MHW 348.000 KTA
N37°03.39' E22°01.47' At Fld. Unk/2°59.7'E O/S UFN. **UHF/DF**
KAM VOR-DME unuse byd 25 NM blw 9000'
ILS/RADAR - ■ **RADAR** - ASR - Call GCA - 122.0 344.0 PAR - Call FINAL CONTROLLER 123.3
120.75 385.4 Opr - 0300-1100 Z++, OT and hol 30 min PN.

KALININGRAD ACC, RS **UMKK** (CIV) (R) (V) **CON** - 123.7 123.7 124.0X 124.0X
H-2H-5E, L-2G

KALININGRAD, RS **NDB/LOM** - HHW 840.000 KR N54°54.60' E20°40.30' 246° 3.0 NM
to KHRABROVO. Unk/4°35.4'E **H-5E, L-2G**

KALIXFORS, SW **ESUK** MIL N67°45.89' E20°15.43' 1549 UTC+1(+2DT) **L-1D**
RWY-05 (3017x131 ASP) **RWY-23**
RWY-11 (3014x131 ASP) **RWY-29**
RWY-17 (3949x131 ASP) **RWY-35**
REMARKS - Opr HX. **RSTD** - PPR, fone C0980-12070.

KALLAX, (LULEA) SW **ESPA** MIL/CIV N65°32.63' E22°07.32' 65 UTC+1(+2DT)
H-1D, L-1D
RWY-14 L5,33,50 (10990x148 ASP PCN 60 F/B/X/T) L5,33,50 **RWY-32**
SERVICE - **LGT** - PAPI both rwy GS 2.86°, MEHT 57.4'. **FUEL** - Avbl 0430-2100Z++ Mon-Fri,
0500-1500Z++ Sat, 0800-2100Z++ Sun. (NC-100LL, A1) **FLUID** - De-Ice (Call 121.95)

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REMARKS - RSTD - PPR for ops outside TWR opr hr. **CSTMS/IMG** - Avbl O/R. **MISC** - Ldg fees, Increased charges outside TWR opr hr. Mil (F21) fone C+46 (0)920 23 40 00, civ fone C+46 (0)920 24 49 00. **RWY** - Mil marker boards 1969' from rwy ends.

COMMUNICATIONS - CON - (R) (E) 125.45 130.8 257.8 **TWR** - Opr 0445-2300Z++ Mon-Fri, 0615-1730Z++ Sat, 0845-2300Z++ Sun. **(V)** 128.2 **REMARKS**: Opr hr may be reduced around hol by NOTAM. **VADER NORTH** - (Base OPS) 122.6

NAVAIDS - LULEA VORW-DME - HA 115.100 SLU CH 98 (060/50) N65°32.41' E22°08.06' At Fld. 58/(A)6°00.0'E unmtto **VHF/UHF/DF**

ILS/RADAR - ➔ ILS - BRG 130° LCZR PA 110.3 GS 2.86° LOM OL 377. Not suitable for coupled autopilot apch. ➔ **ILS** - BRG 310° LCZR SPA 109.9 GS 2.86°. ■ **RADAR** - PAR - Call Precision. 119.0.

KALMAR, SW ESMQ CIV N56°41.13' E16°17.25' 17 UTC+1(+2DT) **H-2G-5D, L-2F**
RWY-05 (2179x131 ASP PCN 30 F/B/X/T) **RWY-23**
RWY-16 L5,33,50 (6726x148 ASP PCN 50 F/B/X/T) **L5,50 RWY-34**

SERVICE - LGT - Rwy 16 has dual PAPI; the civ PAPI is 560' past the fst PAPI, the ILS GP is at the civ PAPI. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0545-2015Z++ Mon-Thu, 0545-1845Z++ Fri, 1030-1230Z++ Sat, 1315-2015Z++ Sun. **CSTMS/IMG** - CSTMS, IMG avbl. **MISC** - Ldg fees, INCR charges outside opr hr. Opr hr may be reduced by NOTAM around hol.

COMMUNICATIONS - TWR - (R) (V) 130.8 125.45X (APP svc)

NAVAIDS - KALMAR VORW-DME - HA 111.600 KAL CH 53 (160/50) N56°41.12' E16°17.05' At Fld. 26/(A)2°00.0'E (Btn 22.5° and 67.5° 80 NM) **VHF/DF**

ILS/RADAR - ➔ ILS - BRG 150° LCZR MQ 108.7 GS 3° LOM KM 366

KALOTINA, BU VORW-DME - HA 114.500 KAL CH 92 N42°56.95' E22°52.53'
3150/(A)2°00.0'E **H-4F, L-12G**

KAMENZ, GM EDCM CIV N51°17.82' E14°07.65' 495 UTC+1(+2DT) **L-5D**
(B) **RWY-03 L7** (3609x92 CON PCN 23 R/B/W/T) **L7,38 RWY-21**
RWY-03L (3609x131 GRS) **RWY-21R**

SERVICE - LGT - ABn flg W. **FUEL** - (NC-100LL)

REMARKS - Opr 0800Z-SS+30, PPR 0500-0800Z, SS+30-2100 (0700-1800Z/SS+30, PPR 0400-0700Z, 1800Z/SS+30-2000Z DT). **CAUTION** - Cable winch launchers NW of rwy. Ints stu flt trng. **CSTMS/AG/IMG** - CSTMS avbl O/R H24 Mon-Fri; O/R Sat, Sun and hol til 1100Z++ Fri.

COMMUNICATIONS - BERLIN INFO - (E) 125.8 375.325 **BERLIN RADAR - (R) (V)** 125.625 **INFO** - 122.05

KAMIEN SLASKI, PL EPKN CIV N50°31.75' E18°05.10' 683 UTC+1(+2DT)
H-4E-5E-6J-8F, L-22E

RWY-11 (7546x197 CON) **RWY-29**

REMARKS - Opr 0700-1500Z++ Mon-Fri. **RSTD** - PPR 24hr in advance. **CAUTION** - Bldg not equipped with obst lgts.

COMMUNICATIONS - RDO - Opr H24 O/R 24hr in advance 120.3

KAMISHLY, SY OSKL CIV N37°01.24' E41°11.48' 1480 UTC+1(+2DT) **H-13B, L-15C**
RWY-03 (11860x150 ASP PCN 23 F/D/Y/T) **RWY-21**

REMARKS - HO, OT O/R. **CAUTION** - Bird haz, especially Autumn thru Spring. Hvy equip or const debris may be near rwy or twy during WIP. Due WIP, twr may estab unmrk displ thld by NOTAM. **MISC** - Ldg fees rqr. Wx.

COMMUNICATIONS - TWR - 118.225

NAVAIDS - KAMISHLY VORW-DME - HA 115.100 KML CH 98 N37°01.00' E41°12.32' At Fld. 1480/4°32.5'E **KAMISHLY NDB** - HHW 312.500 KML N37°01.82' E41°12.32' At Fld. Unk/4°32.7'E Opr HO.

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KAMSAR, GV **NDB** - HW 308.000 KAM N10°39.75' W14°36.40' Unk/8°34.0'W Opr
SR-SS. **L-19A**

KANKAN, GV **NDB** - MHW 276.000 KN N10°22.56' W9°17.01' Unk/6°27.8'W Opr
0800-1800Z. **L-19A**

KANO ACC/FIC, NI **DNKK CON** - 121.7 **INFO** - 8903 9495 13294 6879 **L-19C, D**

KANO, NI See MALLAM AMINU INTL

KANTOLA, FI **DVORW-DME** - HA 114.400 KLA CH 91 N65°59.50' E29°14.15'
At KUUSAMO. 923/(A)9°00.0'E **H-1D, L-1D**

KAOLACK, SG **GOOK CIV** N14°08.81' W16°03.08' 26 UTC 0 **L-19A**
RWY-06 (5249x98 ASP) **RWY-24**
REMARKS - Opr 0600-0800Z, 1200-1400Z, 1800-2230Z Mon-Fri; 0600-0800Z, 1200-2230Z
Sat; 0700-2230Z Sun.
NAVAIDS - **KAOLACK NDB** - HW 350.000 SKK N14°09.43' W16°02.51' At Fld.
85/8°19.7'W

KAPADOKYA, TU **LTAZ CIV** N38°46.31' E34°32.07' 3100 UTC+2(+3DT) **H-13A, L-15B**
(B) **RWY-11** L3,4,10,50,55 (9842x148 CON PCN 110 R/C/W/T) L3,4,11,50,55 **RWY-29**
REMARKS - Opr by NOTAM.
COMMUNICATIONS - **ESENBOGA APP** - Opr H24 119.1 119.6 120.6 122.1 362.3
TWR - Opr H24 (U) 119.0 120.35 128.45 128.8 131.05 358.925
NAVAIDS - **TUZKOY VORW-DME** - HA 115.300 TZK CH 100 N38°46.05' E34°32.45' At Fld.
3100/4°30.5'E **TUZKOY NDB** - MHW 371.000 TZK N38°46.05' E34°32.45' At Fld.
3100/4°30.5'E

KARACHI ACC/FIC, PK **OPKR (CIV)** **INFO** - (V) (126.5 133.2 127.3 E Sctr) (128.3
123.7 W Sctr) (125.4 133.2 N Sctr) **RDO** - 2923 3467 5601 10018 13288
H-13D, 14H, L-18H

KARAJ, IR See PAYAM

KARDLA, EN **EEKA CIV** N58°59.45' E22°49.84' 18 UTC+2(+3DT) **H-2H, L-2G**
RWY-14 L5,50 (4987x98 ASP) L5,39,50 **RWY-32**
←4199
SERVICE - **FUEL** - Avbl dur Twr opr. (NC-100LL, A1) **FLUID** - Avbl dur Twr opr. De-Ice
REMARKS - Opr 0600-1500Z++ Mon-Fri, OT O/R fone C372 50 91499. **CAUTION** - Bird
haz. **CSTMS/IMG** - Avbl.
COMMUNICATIONS - **TWR** - Opr 0400-0800Z++,1300-1700Z++Mon-Fri;
0500-0900Z++Sat; 1300-1700Z++Sun, OT O/R. 130.3 **AFIS** - 130.3
NAVAIDS - **KARDLA NDB** - HW 317.000 OZ N58°57.43' E22°52.33' 322° 2.4 NM to Fld.
Unk/6°02.6'E **VHF/DF**
ILS/RADAR - **■RADAR** - PAR- Call TWR 130.3.

KARIATAIN, SY **VORW-DME** - HA 117.700 KTN CH 124 N34°12.80' E37°15.85'
2457/(A)3°00.0'E **NDB** - HHW 372.500 KTN N34°13.63' E37°14.02' Unk/4°01.1'E
H-13A-16G, L-16G

KARISTOS, GR **VORW-DME** - HA 112.200 KRO CH 59 (120/50) N37°59.65' E24°29.70'
2024/3°23.0'E **NDB** - MHW 285.000 KRS N37°59.65' E24°29.70' Unk/3°23.1'E
H-15E, L-12H-14H, T-2E

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KARLOVY VARY, EZ LKKV CIV N50°12.18' E12°54.90' 1989 UTC+1(+2DT)

H-6I, L-6I

RWY-11 L6,50

(7054x98 ASP PCN 38 F/C/X/T)

L6,34,50 **RWY-29**

6594→

SERVICE - FUEL - (NC-A1, 100LL)

REMARKS - Opr 0600-1600Z++ Mon-Sun 1 Apr - 31 May, 0600-1600Z++ Mon-Thu 1 Jun-31 Aug(0600-1800Z++ Fri-Sun), 0600-1600Z++ Mon-Sun 1 Sep-31 Oct., 0600-1400Z++ Mon-Sun 1 Nov-31 Mar. **RSTD** - NORDO proh.

COMMUNICATIONS - **ATIS** - 118.95 **TWR - (V)** 121.225 122.9 **INFO** - 121.225

RADAR - 119.95

NAVAIDS - **KARLOVY VARY VORW-DME** - T 111.550 KVV CH 52(Y) N50°12.07' E12°55.56'

At Fld. 2167/2°1.0'E

KARLSBORG, SW ESIA MIL N58°30.83' E14°30.43' 308 UTC+1(+2DT) **H-2G, L-2F**

RWY-06 L5,33,50

(7472x131 ASP)

L5,30,50 **RWY-24**

←NET UNK (210' OVRN)

NET UNK (418' OVRN) →

SERVICE - LGT - PAPI Rwy 06, 24 GS 2.86°.

REMARKS - **RSTD** - PPR thru the flight chief, fone C+46 (0)505 45 10 00. **MISC** - Base HQ fone C+46 (0)505 850 12, mil info fone C+46 (0)505 100 80.

COMMUNICATIONS - **APP** - Opr HX. **(V)** 130.0 **MIL INFO** - Opr O/R thru base HQ. **(V)** 130.0

NAVAIDS - **KARLSBORG NDB** - MHW 312.000 KBG N58°29.00' E14°22.84' 063° 4.4 NM to Fld. 308/2°43.1'E **VHF/DF**

KARLSKOGE, SW ESKK CIV N59°20.75' E14°29.76' 400 UTC+1(+2DT) **L-2F**

RWY-03 L5,12

(4919x98 ASP PCN 15 F/B/X/T)

L5,12 **RWY-21**

4722→

SERVICE - FUEL - Avbl O/R btn 0700-1400Z++ Mon-Fri, fone C 0586 527 60. (NC-100LL, A1)

REMARKS - **RSTD** - PPR for IFR tfc fone C 070 775 33 60, fax C 0586 517 31. **NS ABTMT** - Avoid ovft of city blw 2000 AGL. **MISC** - Ldg fees.

COMMUNICATIONS - **AFIS** - Opr O/R, 24 hr PN rqr, fone C 070 775 33 60, fax C 0586 51731. **(V)** 122.55

KARLSRUHE UAC, GM See RHEIN RADAR

KARLSRUHE, GM DVORW-DME - HA 115.950 KRH CH 106(Y) (040/50) N48°59.58'

E8°35.05' 908/(A)0°00.0'E (60/FL 500 315° - 068°; 40/FL 500)

KRH VOR/DME unuse

to 12 NM blw 5000'

btn 12 NM and 25 NM blw 10,000'

btn 25 NM and 40 NM blw 15,000'

H-6H, L-5G

KARLSRUHE BADEN BADEN, (SOLLINGEN) GM EDSB CIV

N48°46.76' E8°04.83' 408 UTC+1(+2DT) **H-6H, L-6G**

(B) **RWY-03** L5,39,50

(9787x148 ASP PCN 50 R/B/X/T)

L2,5,23,50 **RWY-21**

8957→

←8957

SERVICE - FUEL - (NC 100LL, A1) **FLUID** - De-Ice O/R.

REMARKS - Opr 0500-2100Z++ Mon-Sat, 0800-1900Z++ Sun and hol. **RSTD** - Flt OPS proh 2100-0500Z++ Mon-Sat and regional GM hol; 1900-0800Z++ Sun and GM hol; before 0600Z++ or 1200-1400Z++ Mon-Fri; before 0800Z++ and aft 1200Z++ Sat, Sun and hol. Twy N max Wgspan 79'. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - **BADEN ATIS** - Opr 0430-2300Z++. 121.275

STRASSBOURG RADAR - Opr H24. **(R)** 119.45 **BADEN TWR** - 125.875 25NM 4000 ft AGL. **BADEN GND** - 121.825 **REMARKS**: Call for start-up and taxi.

REIMS INFO - 124.1 **LANGEN INFO** - 128.95

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NAVAIDS - KARLSRUHE BADEN BADEN DME - T KBD CH 105 (030/25) N48°46.81' E8°05.31' At Fld. 495/0°41.0'E **KARLSRUHE BADEN BADEN NDB/LMM** - HW 431.000
KBA N48°47.88' E8°05.85' 211° 1.3 NM to Fld. 408/0°41.2'E **VHF/DF**
KBA NDB unuse 310°-050° byd 15 NM
ILS/RADAR - ➔ILS - BRG 212° LCZR I-KBW 108.75 GS 3.0° ➔**ILS** - BRG 032° LCZR I-KBE 109.95 GS 3.0°.

KARLSTAD, SW **ESOK** CIV N59°26.68' E13°20.24' 352 UTC+1(+2DT) **H-2G, L-2F**
RWY-03 L4,5,20,50 (8255x148 ASP PCN 40 F/B/X/T) L4,5,20,50 **RWY-21**
RWY-03L (1840x170 GRE) **RWY-21R**
SERVICE - FUEL - Avbl 0500-2000Z++ Mon-Fri, 0800-1030Z++ Sat, 1100-1800Z++ Sun. OT O/R dur reg hr. (NC-100LL, A1)
REMARKS - CSTMS/IMG - CSTMS avbl 0600-2000Z++ Mon-Fri. **MISC** - Ldg fees, INCR charges outside TWR opr hr.
COMMUNICATIONS - TWR - Opr 0500-2100Z++ Mon-Fri, 0800-1130Z++ Sat, 1100-2000Z++ Sun. OT O/R dur reg hr. **(V)** 119.45
NAVAIDS - KARLSTAD VORW-DME - HA 117.800 KSD CH 125 (120/50) N59°26.55' E13°19.89' At Fld. 348/(A)1°00.0'E **VHF/DF**
ILS/RADAR - ➔ILS - BRG 025° LCZR SOK 119.35 GS 3° LOM SKS 330. ➔**ILS** - BRG 205° LCZR NOK 110.7 GS 3° LOM NKS 341.

KARMOY, (HAUGESUND KARMOY) NO **ENHD** CIV N59°20.72' E5°12.50' 86 UTC+1(+2DT) **H-2F, L-2E-3D**
RWY-14 L2,5,24,50 (6957x148 ASP PCN 50 F/A/W/T) L2,5,24,50 **RWY-32**
6760➔ ←6760
SERVICE - FUEL - Avbl 0600-1900Z++ Mon-Fri, O/R Sat, 1000-1900Z++ Sun, OT O/R. (NC-100LL, A1)
REMARKS - Opr 0520-2315Z++ Mon-Fri, 0620-1730Z++ Sat, 0920-2315Z++ Sun.
CAUTION - Windshear/turb may occur on short final Rwy 14 and 32, especially when wind 170°-270° abv 25 Kt. Standing water occurs W side of RCL dur mod/hvy rain and wind 210°-260° abv 25 Kt. **CSTMS/IMG** - Avbl O/R 1 hr to twr. **RWY** - Rwy 14 and 32 LDA 6561', TORA 6757'.
COMMUNICATIONS - ATIS - 118.175 **TWR** - **(V)** 120.5 121.1
NAVAIDS - KARMOY DVORW-DME - HA 115.150 KRM CH 98(Y) N59°20.79' E5°12.10' At Fld. 102/(A)3°00.0'W **VHF/DF**
ILS/RADAR - ➔ILS-DME - BRG 137° LCZR HD 109.1 CH 28 GS 3° LOM FNO 267. GS rstd to ± 5° LCZR beam due to full fly up sgl.

KARNICE, PL **VORW-DME** - HA 117.800 KRN CH 125 N51°56.77' E20°26.68' 591/4°08.2'E **H-8G, L-21B, T-1**

KARPATOS, GR **LGKP** CIV N35°25.28' E27°08.76' 66 UTC+2(+3DT)
H-10G-15E, L-14H-15A
RWY-12 L7,50 (7871x98 ASP PCN 53 F/D/X/U) L7,50 **RWY-30**
7379➔ ←7379
BAK-14 34B-1A(B) (1640')

SERVICE - A-GEAR - Rwy 30L (1154') 10 min PN. **FUEL** - (NC-A1)
REMARKS - Opr by NOTAM.
COMMUNICATIONS - RDO - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++) **INFO** - **(E)** 122.1 123.2 257.8
NAVAIDS - KARPATOS TACAN - HA RPA CH 33 (040/25) N35°25.27' E27°09.92' At Fld. 66/3°27.0'E SR-SS. **KARPATOS NDB** - HW 314.000 KRC N35°25.18' E27°09.00' At Fld. Unk/3°26.9'E

KARS, TU **LTFC** CIV N40°33.73' E43°06.90' 5889 UTC+2(+3DT) **H-13B, L-15D**
(B) RWY-06 L4,50,55 (11483x148 CON PCN 68 R/A/X/T) L50,55 **RWY-24**
SERVICE - FUEL - (NC-J8)
REMARKS - Opr by NOTAM.
COMMUNICATIONS - TWR - 122.4 121.9 376.575

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NAVAIDS - KARS VORW-DME - HA 113.800 KAR CH 85 N40°34.05' E43°07.45' At Fld.
5902/(A)3°00.0'E **KARS NDB** - MHW 431.000 KAR N40°34.05' E43°07.45' At Fld.
5889/5°21.5'E
ILS/RADAR - ➔ **ILS** - BRG 058° LCZR IKAR 108.3 CH 20 GS 3.0°

KARTUZY, PL VORW-DME - HA 113.200 KRT CH 79 N54°17.98' E18°12.48' 061°
10.2 NM to LECHA WALESY. 689/(A)2°00.0'E **H-8F-2H-5E, L-2G-21A**

KARUP, DA EKKA MIL/CIV N56°17.85' E9°07.48' 170 UTC+1(+2DT) **H-2G-5C, L-2E**
RWY-04L7 (2936x50 PEM C130) **L7 RWY-22**
RWY-09 (2789x197 GRS) **RWY-27**
RWY-09LL7,50 (9816x75 ASP DC9) **L7,50 RWY-27R**
← HOOK BAK-12A (770')
RWY-09R L4,5,24,50 (9607x150 PEM C17) **L3,4,5,33,50 RWY-27L**
BAK-14 DUAL(B) (1282') **BAK-14 DUAL(B) (1282')**
RWY-14L7 (2296x60 PEM C130) **L7 RWY-32**

SERVICE - AOE **LGT** - PAPI Rwy 09R-27L, PAPI Rwy 09L-27R GS 2.75°. Rwy 04-22 and 14-32
blue edge lgt. Rwy 09L-27R yellow edge lgt. **A-GEAR** - Rwy 09L, 09R-27L BAK-12/14 aprch
end arrestment O/R. **JASU** - 1(A2) 1(A3) 1(AC-35) **FUEL** - 100LL, A1 (100LL PN dur opr
hr) **FLUID** - LOX, De-Ice. **OIL** - O-123-128-133-148-149

REMARKS - Opr 0600-2230Z++ Mon-Fri, 0600-1500Z++ Sat, 1100-2100Z++ Sun
(0630-1430Z++ Mon-Thu, 0630-1230Z++ Fri mil). **RSTD** - 24 hr PPR req fone mil OPS
C+45 99 62 49 20. **CAUTION** - Ints stu trng 0700-1430Z dly. Gldr act. Shooting rng 1NM
N rwys wkdays, MSA 800' AGL. **NS ABTMT** - Rwy 09/27 dep or overshoot, climb rwy hdg
til 2000' before turn, unless authorized by ATC. Rwy 9 dep nml aft burner cut off before
NE/SW Viborg-Herning road. **MISC** - Ldg fees. **RWY** - Rwy 14-32 opr daylt only.

COMMUNICATIONS - **APP** - Opr H24. **(R)** 120.425 292.75 362.3 **ARRIVAL** - Opr
0630-1430Z++ Mon-Thu, 0630-1230Z++ Fri. **(R) (E)** 241.75 344.0 **TWR** - Opr H24. **(V)**
119.575 241.025 **HANDLING** - 123.4

NAVAIDS - KARUP TACAN - HA KAR CH 37 (200/50) N56°17.80' E9°00.52' 089° 3.9 NM
to Fld. 173/(A)1°00.0'W **KARUP NDB** - MHW 369.000 KA N56°17.91' E9°14.22' 269°
3.8 NM to Fld. Unk/0°43.1'E **UHF/DF**

ILS/RADAR - ILS-DME 27L - SEE TERMINAL FLIP FOR ILS-DME 27L DATA. ➔ **ILS** - BRG 089°
LCZR KAP 108.3 GS 2.75° LOM KP 351 ■ **RADAR** PAR - Call Precision - **(E)** 122.1 360.65
385.4. Opr 0630-1430Z++ Mon-Thu, 0630-1230Z++ Fri

KASHAN, IR OIFK MIL N33°53.72' E51°34.62' 3465 UTC+3:30 **H-13C, L-17B**
RWY-11 (8845x145 ASP) **RWY-29**

REMARKS - Opr SR-SS.

COMMUNICATIONS - **TWR** - 118.175 121.775

KASOS, GR LGKS CIV N35°25.28' E26°54.60' 35 UTC+2(+3DT) **H-10G-15E, L-14H-15A**
RWY-09L55 (3221x82 ASP) **L55 RWY-27**

REMARKS - Opr by NOTAM.

COMMUNICATIONS - **INFO** - 123.2 **RDO** - 5637 2989 (5637 0400-1700Z)(2989
1700-0400Z)

KASSALA, SU HSKA CIV N15°23.25' E36°19.73' 1671 UTC+3 **H-14E, L-20F**
RWY-02L7,12,55 (8202x148 ASP) **RWY-20**

SERVICE - **FUEL** - (NC-A1)

REMARKS - Opr 0400-1600Z. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - **TWR** - Opr SR-SS. 118.2

KASSEL CALDEN, GM EDVK CIV N51°24.50' E9°22.66' 908 UTC+1(+2DT) **L-5C**
(B) **RWY-04L2,5,34** (4921x98 ASP PCN 35 F/B/X/T) **L2,5,23,50 RWY-22**
RWY-04L (2297x98 GRS) **RWY-22R**

SERVICE - **FUEL** - (NC-100LL, A1)

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REMARKS - Opr 0630-1930Z++ Mon-Fri; 0800-1730Z++ Sat, Sun and hol; OT PPR. **NS**
ABTMT - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft
1200Z++ Sat, Sun, hol. **CSTMS/IMG** - Avbl 2 hr O/R 0700Z++-SS+30. PPR 12 hr
0500-0700Z++. **MISC** - Fone C05674-9977-0. Class D Airspace eff 0700-1930Z++ Mon-Fri,
exc hol; OT Class E.

COMMUNICATIONS - TWR - Opr 0700-1930Z++ Mon-Fri. 118.1 369.025

BREMEN RADAR - (R) (E) 120.35 262.9 277.7 362.3 (362.3 Mil grd.)

BREMEN INFO - 119.825 385.2

NAVAIDS - KASSEL NDB - MHW 349.000 KSL N51°27.89' E9°27.44' 221° 4.5 NM to Fld.

886/0°59.3'E **VHF/DF**

KSL DME unuse

040°-230° byd 5.5 NM blw 2500'

040°-230° byd 7.5 NM blw 3000'

040°-230° byd 10 NM blw 3500'

040°-230° byd 15 NM blw 4000'

040°-230° byd 20 NM blw 6000'

ILS/RADAR - ➔ LOC-DME - BRG 221° LCZR KSL 108.1 CH 26

KASTELI, GR **LGTL** MIL N35°11.52' E25°19.62' 1180 UTC+2(+3DT) **H-10G-15E, L-14H**

(B) **RWY-02** L50,55 (9813x148 ASP)

L50,55 **RWY-20**

8843→

←8858

HOOK UNK (2190')

HOOK UNK (2728') 61QSII UNK (796') →

SERVICE - JASU - (A3) **FUEL** - (NC-100LL, J4)

REMARKS - Opr by NOTAM. **CAUTION** - Twy 3200' fr apch end Rwy 02 O/S due to sfcc
subsidence.

COMMUNICATIONS - TWR - Opr SR-SS (E) 122.1 257.8 362.3

NAVAIDS - KASTELI TACAN - T KLI CH 56 (150/50) N35°11.77' E25°19.80' At Fld.

1180/3°14.1'E Opr SR-SS

KLI TACAN unuse

000°-155°byd 9 NM blw 9300'.

ILS/RADAR - ■ RADAR - ASR - Call GCA 344.0. PAR - Call Final Controller 385.4. Ngt opr
O/R.

KASTORIA, GR See ARISTOTELIS

KASTRUP, DA **EKCH** CIV N55°37.08' E12°39.36' 17 UTC+1(+2DT) **H-2G-5D, L-2F**

RWY-04L L3,4,5,10,50 (11811x148 ASP PCN 80 F/C/X/U)

L4,5,34,50 **RWY-22R**

←9844

RWY-04R L4,5,23,50 (10827x148 ASP PCN 80 F/C/X/U)

L3,4,5,10,50 **RWY-22L**

RWY-12 L5,34,50 (10072x148 PEM PCN 80 F/C/X/U)

L5,23,50 **RWY-30**

7759→

←9186

SERVICE - AOE **LGT** - PAPI MEHT Rwy 04L 61', PAPI MEHT Rwy 22R 59', PAPI MEHT Rwy
04R 57', PAPI MEHT RWY 22L and 30 60', PAPI MEHT Rwy 12 49'. **FUEL** - A1 (NC-100LL)
FLUID - De-Ice

REMARKS - RSTD - Rwy 04L/22R clsd for AN124, AN225, KC10 and C5 acft. Rwy 12/30 clsd
for AN225 acft. VFR tfc wi Kastrup CTZ use 118.7. **CAUTION** - Five unlit masts 117' aprx
5200' fr thld Rwy 22R. Apch min chg by NOTAM. Dur testing of ILS fac, false sgl likely to
be received by apch acft but should be disregarded. Special wng issued via ATIS. Exp tall
ship obst E of arpt (fairway Drogden) for Rwy 22L and Rwy 30, dep Rwy 04R and Rwy 12.
NS ABTMT - See FLIP PLANNING AP/2. **MISC** - Ldg fees. Exp abbreviated apch/dep to
avoid Swedish airspace. Rwy 30 rpt LDA 7858', TODA 7759'.

COMMUNICATIONS - ATIS - 122.75 122.85 (122.75 ARR)(122.85 DEP)

COPENHAGEN APP - (R) (V) 119.8 340.3 **TWR - (E)** 118.1 119.35 118.7 340.3 (118.1 ARR,
4000' to 25NM)(119.35 DEP FL100 to 25NM)(118.7 VFR 4000' to 25NM) **GND** - 121.65
121.9 121.725 (121.65 ARR)(121.9 req start up, push-back, taxi inst - exclud TAXI)(121.725
HO) **CLNC DEL** - 119.9 **TAXI** - 121.825 118.575 **REMARKS:** (121.825 Apn East, Area
South-req start up, push-back, taxi inst)(118.575 Apn West-req start up, push-back, taxi
inst)

NAVAIDS - KASTRUP VORW-DME - HA 112.500 KAS CH 72 (060/50) N55°35.43'
E12°36.82' 040° 2.2 NM to Fld. 29/(A)2°00.0'E

AIRPORT/FACILITY DIRECTORY B-221

ILS/RADAR - ➔ **ILS-DME** - 22L BRG 221° LCZR OXS 109.5 CH 32 GS 3° . ➔ **ILS-DME** - 04L BRG 041° LCZR CH 110.5 CH 42 GS 3° . ➔ **ILS-DME** - 12 BRG 123° LCZR KA 109.9 CH 36 GS 3° . ➔ **ILS-DME** - 22R BRG 221° LCZR KLK 110.9 CH 46 GS 3° . ➔ **ILS** - 04R BRG 041° LCZR NE 109.3 GS 3° . ➔ **ILS-DME** - 30 BRG 303° LCZR OY 108.9 CH 26 GS 3° .

KATOWICE, PL **NDB** - HHW 285.000 PT N50°28.44' E19°09.02' 267° 2.7 NM to PYRZOWICE. Unk/3°38.8'E **H-4E-8G, L-22F**

KATSINA, NI **DN--/DN57** CIV N13°00.47' E7°39.63' 1660 UTC+1 **L-19C**
RWY-04 L50,55 (9947x98 ASP) L50,55 **RWY-22**
REMARKS - Opr 0600-1800Z.
COMMUNICATIONS - **TWR** - 125.0 130.0
NAVAIDS - **KATSINA NDB** - MHW 365.000 KT N12°59.43' E7°38.60' 044° 1.4 NM to Fld.
Unk/1°16.9'W

KATTERBACH KASERNE, GM See ANSBACH AHP

KAUHAJOKI, FI **EFKJ** PVT N62°27.75' E22°23.58' 407 UTC+2(+3DT) **L-1D**
RWY-07 LA,55 (3806x75 ASP) LA,55 **RWY-25**
3412→ ←3609
REMARKS - Opr HX. **CAUTION** - Gldr act with acft tows and winch launches to 2700' AGL.
COMMUNICATIONS - **RDO** - 118.45

KAUHAVA, FI **EFKA** MIL N63°07.62' E23°03.09' 151 UTC+2(+3DT) **H-1D, L-1D**
RWY-17 L5,33,50 (8858x197 ASP PCN 24 F/D/X/T) L5,33,50 **RWY-35**
←61QSII UNK (EOR) HOOK UNK(B) (3149') 61QSII UNK (EOR) →
SERVICE - **LGT** - PAPI Rwy 17-35 GS 3.5°.
REMARKS - Opr HO. **RSTD** - PPR. 24 hr PN fone C358-6-434 0328, fax 2132.
CSTMS/IMG - Avbl PPR - 48 hr PN. **MISC** - Ldg fees. Class D Airspace eff twr hr, OT Class G.
COMMUNICATIONS - **ATIS** - Opr H24. 112.4 **APP** - (R) (V) 130.1 126.6 119.7
TWR - (V) 122.8 119.7
NAVAIDS - **KAUHAVA DVORW-DME** - T 112.400 KAU CH 71 N63°07.35' E23°03.36'
At Fld. 159/7°03.1'E **VHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 171° LCZR KA 109.7 GS 3.5° LOM SUS 345 LCTR D 378. ■ **RADAR**
- ASR - Opr 0600-1400Z++ Mon-Thu, 0600-1200Z++ Fri. Call **RADAR** - 128.15 119.7 PAR -
Opr by arng 0600-1400Z++ Mon-Thu 0600-1200Z++ Fri. Call Precision-119.7 130.3.

KAUNAS INTL, LH **EYKA** CIV N54°57.84' E24°05.09' 256 UTC+2(+3DT) **H-2H, L-2H**
RWY-08 L7,34 (10335x148 ASP PCN 50 F/B/X/T) L7,34 **RWY-26**
9219→ ←9547
SERVICE - AOE **FUEL** - (NC-A1, AvGas) **FLUID** - De-Ice
REMARKS - Opr 0500-2000Z++, OT O/R fone C370 37 399 250, fax C370 37 399 345.
MISC - Ldg fees. Class C Airspace eff ATS hr, OT Class G.
COMMUNICATIONS - **APP** - (R) (V) 124.2 **TWR** - (V) 118.5 **HANDLING** - 121.6
NAVAIDS - **KAUNAS VORW-DME** - HA 114.400 KNA CH 91 N54°57.59' E24°03.92'
At Fld. 256/(A)4°00.0'E **KAUNAS NDB/LMM** - HW 343.000 KUS N54°57.95' E24°07.32'
261° 1.3 NM to Fld. Unk/5°38.8'E Opr HO **VHF/DF**
ILS/RADAR - **ILS-DME** - 08, 26

KAUNIS, FI **VORW-DME** - HA 115.800 KNS CH 105 N68°27.24' E27°27.09'
1340/(A)9°00.0'E **H-1D, L-1D**

KAUTOKEINO, NO **TACAN** - HA KNO CH 33 N69°01.13' E23°01.38'
1262/(A)6°00.0'E **H-1C, L-1D**

B-222 AIRPORT/FACILITY DIRECTORY

KAVALA, GR **TACAN** - T KRP CH 90 N40°54.94' E24°36.96'
At MEGAS ALEXANDROS INTL. 18/3°41.1'E Opr SR-SS. **TVORW-DME** - HA 108.800 KPL
CH 25 (040/25) N40°54.71' E24°36.85' At MEGAS ALEXANDROS INTL. 23/(A)2°0.0'E
KPL VOR unuse byd 10 NM 330°-010° blw 7000'
H-4G, L-12H

KAVOURI, GR **NDB** - MHW 357.000 KVR N37°48.85' E23°45.57' Unk/3°16.6'E
H-15D, L-12H-14H, T-2E

KAVRAN, HR **NDB** - HW 265.000 KAV N44°53.72' E14°00.49' 267° 3.7 NM to PULA.
56/2°09.3'E **H-4E, L-9D-10E**

KAYES DAG DAG, ML **GAKY** CIV N14°28.87' W11°24.26' 164 UTC 0
L-19A, H-11C
RWY-09 LA,50,55 (5267x98 ASP) **L55 RWY-27**
REMARKS - Opr HS.
COMMUNICATIONS - **TWR** - 118.1 **INFO** - 8861
NAVAIDS - **KAYES VORW-DME** - HA 116.700 KAY CH 114 N14°28.74' W11°25.31' At Fld.
510/6°21.4'W

KAYSERI, TU **VORW-DME** - HA 116.300 KSR CH 110 N38°46.54' E35°31.30' 252° 1.3 NM
to ERKILET. 3489/4°35.0'E **TACAN** - T KSR CH 116 N38°45.81' E35°28.65' At ERKILET.
3525/4°34.7'E
KSR VOR unuse 170°-210° byd 10 NM blw FL 150.
H-13A, L-15B

KBELY, EZ **LKKB** MIL N50°07.28' E14°32.62' 939 UTC+1(+2DT) **H-6I-8F, L-6J, T-1A**
RWY-06 L6,17,50 (6562x148 ASP PCN 23 F/C/W/T) **L2,6,9,11,50 RWY-24**
UNK (400') UNK (400')
SERVICE - **LGT** - Non std WARSAW PACT lgt sys. **A-GEAR** - Non std. Rwy 06-24 two
rollstops 492' into dep end cwy of each rwy. **JASU** - Non std. **FUEL** - (NC-A1) **FLUID** -
OX
COMMUNICATIONS - **APP** - 124.675 279.0X **TWR** - 120.875 126.475
PRECISION - (R) 123.3 315.0
NAVAIDS - **KBELY NDB** - HHW 300.000 KD N50°09.16' E14°38.20' 240° 4.1 NM to Fld.
Unk/2°28.2'E
ILS/RADAR - ■ **RADAR** - PAR - Call **PRECISION** 123.3 315.0

KEA, GR **DVORW-DME** - HA 115.000 KEA CH 97 (150/50) N37°33.43' E24°17.87'
1388/(A)1°00.0'E **H-15D, L-12H-14H, T-2F**

KECSKEMET, (TITAN) HU **LHKE** MIL N46°55.05' E19°44.95' 376 UTC+1(+2DT)
H-4F, L-10F
RWY-12 L4,5,12,43,50 (8200x197 CON) **L4,5,12,43,50 RWY-30**
←NET UNK (180' OVRN) NET UNK (215' OVRN) →
SERVICE - **LGT** - ALPHA-ATA lgt sys avbl. **A-GEAR** - (ATU-2) Rwy 12-30, end of rwy. **FUEL** -
(NC-A1+)
REMARKS - **RSTD** - PPR. **CAUTION** - Identical NDB freq on ea EOR. Afld min ceil 328' vis
3km. RSBN ldg sys and PAR for info only.
COMMUNICATIONS - **APP** - (R) (E) 120.25 344.4 **TWR** - (E) 135.75 311.1
NAVAIDS - **TITAN NDB** - MHW 440.000 N N46°55.73' E19°43.54' 122° 1.2 NM to Fld.
376/3°27.1'E **TITAN NDB** - MHW 440.000 T N46°54.40' E19°46.56' 297° 1.3 NM to Fld.
376/3°27.6'E **TITAN NDB** - MHW 313.000 NT N46°56.57' E19°41.64' 121° 2.7 NM to Fld.
376/3°26.8'E **TITAN NDB** - MHW 313.000 TN N46°53.53' E19°48.55' 299° 2.9 NM to Fld.
376/3°27.9'E

KEDAINIAI, LH **EYKD** CIV N55°18.70' E23°57.38' 171 UTC+2(+3DT) **H-2H, L-2H**
RWY-16 (6562x148 PEM PCN 32 F/A/X/T) **RWY-34**

AIRPORT/FACILITY DIRECTORY B-223

REMARKS - Opr HX. **RSTD** - PPR. Fone C370-5 273 9259. **CAUTION** - Gldr and prcht act.
COMMUNICATIONS - **KAUNAS APP** - Opr 0500-2000Z++, OT O/R. **(R) (V)** 124.2
KAUNAS TWR - Opr 0500-2000Z++, OT O/R. **(V)** 118.5 **KAUNAS INFO** - 124.6
INFO - 122.35 125.0

KEDOUGOU, SG **GOTK** CIV N12°34.34' W12°13.22' 584 UTC 0 **L-19A**
RWY-11 *L55 (5906x148 ASP) *L55 **RWY-29**

REMARKS - Regular sked flt 30 min before arr; non-sked flt wkd O/R 3 hr PN. Sun and hol O/R preceding day before 1700Z.

NAVAIDS - **KEDOUGOU NDB** - MHW 320.000 SKG N12°33.98' W12°12.99' At Fld.
643/7°05.2'W Opr SR-SS Mon-Fri O/T 3 hr PN, Sun and hol O/R prior 1700Z prev day.

KEFALLINIA, GR **LGKF** CIV N38°07.20' E20°30.03' 59 UTC+2(+3DT)
H-15D, L-12G-14G
(B) RWY-14 L5 (7992x148 ASP PCN 50 F/C/X/T) **L5 RWY-32**
←7080

SERVICE - **LGT** - ABn coded KFL. **FUEL** - (NC-A1)

REMARKS - Opr by NOTAM. **CAUTION** - When E winds fr 050° -130° of 15 Kt or more prevail, exp severe turb on apch Rwy 14. Bird haz. **CSTMS/IMG** - Avbl H24 - 4 hr PN.

COMMUNICATIONS - **AFIS INFO** - **(E)** 122.25 122.1 257.8 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - **KEFALLINIA VORW-DME** - HA 115.500 KFN CH 102 (040/25) N38°06.70' E20°30.35' At Fld. 32/(A)1°00.0'E **KEFALLINIA NDB** - HHW 318.000 KEF N38°06.94' E20°29.96' At Fld. Unk/2°52.4'E

KEFLAVIK NAS, IC **BIKF** MIL/CIV (Air Force) N63°59.10' W22°36.33' 171 UTC 0
H-1A, L-1A

(B) RWY-02 L4,6,A,50,54 (10019x197 ASP PCN 68 F/B/W/T) L3,4,6,11,50,54 **RWY-20**
10000→ ←10000
E28(B) (1000') E28(B) (1500')
RWY-11 L3,4,6,11,50,54 (10056x197 ASP PCN 80 F/C/W/T) L4,6,13,50,54 **RWY-29**
10013→ ←10013
E28(B) (1140') E28(B) (2000')

SERVICE - **AOE** **LGT** - Rot Bcn is secured when wind exceeds 40K. **A-GEAR** - Dur sked fighter ops, 0700-1900Z Mon-Sat only, E-28 A-G rigged on dep end of duty rwy and Rwy 11. For all others, A-G avbl 20 min ntc dur same operating hrs. **JASU** - 1(A/M47A-4), 2(A/M32A-108). **FUEL** - A1+ (OLIUFELAGIO) Fone (354) 560-3300, (NC-100LL) (Ident plate DD Form 1896/97 rqr for all fuel purchases). **FLUID** - ADI SP PRESAIR OX LHGX (LOX TMU-27/M-24 24 hr PN rqr) NIT (A/M26U-4) **OIL** - O-128-133-148-156 SOAP **TRAN ALERT** - No tran maint avbl. Hgr space extremely ltd.

REMARKS - **RSTD** - PPR DSN 450-6202/4494, C011-354-425-6202/4494, METRO DSN 450-4302. Fr 1600-1800Z dly, W bound flt ltd to 1 dep ev 5 min. See AP/2 Supplementary Arpt Rmk-Transient/Weapons. **CAUTION** - Abandoned afld 3 NM SE of Keflavik. Bird haz May-Sep. Unctl veh/pedestrian cros SE corner mil ramp and Twy S-1, not vis fr twr. Pilots ctc GND to have veh tfc lgt turned to RED when apch cros and advs when clear cros. Twy C2 clsd to mil acft. Twy C-1 clsd. 92' tmpry crane 2000' fr Rwy 11 thld/4855' S of cntrline. **TFC PAT** - VFR tfc pat alt 1200'. **NS ABTMT** - See AP/2 Supplementary Arpt Rmk. **MISC** - Keflavik Intl is a level 3, SCR/Coordinated arpt. Acft arr/dep civil side rqr slot times via SIMMS format. See www.keflavikairport.com. MU-Meter rwy BA expressed in friction coefficient for ea third of rwy. All in-flt emerg (IFE) mil acft diverting to NAS Keflavik, and/or their supporting tanker, should attempt ctc on 390.0 (Raymond 85, Comd Post; Loki; or the Ftr SOF) as soon as practical to determine rwy/cable status and coord avbl base support. Four eng acft use idle or secure outboard eng for taxi. AMC acft mnt AMC SOF 349.4 dur all gnd opr. Rwy 07-25 clsd. Mil Ramp hr 0700-1900Z Mon-Sat, clsd Sun. Mil Ramp usage after hr rqr 24 hr notice and will be approved on a case by case basis. Iceland Defense Force units (deployed F-15/F-16 and KC-135) have priority.

COMMUNICATIONS - **ATIS** - 128.3 311.6 **APP** - **(E)** 119.3 377.2 (GCI avbl in distress.) **TWR** - **(E)** 118.3 257.8 **GND** - **(E)** 121.9 359.8 **DEP** - **(E)** 119.3 377.2 (GCI avbl in distress.) **85 GROUP COMD POST** - 284.125 (Call Raymond 85). **PMSV METRO** - 125.0 344.6 (MIL TAF uses KQNT ident sent vis auto wx network.) **A/G** - 131.9 **AIR TRML OPS CENTER** - (ATOC) 131.1 232.7 **BASE OPS** - 129.0 283.825 **CW NRK** - 500R 8364R

B-224 AIRPORT/FACILITY DIRECTORY

NAVAIDS - KEFLAVIK VORTACW - HA 112.000 KEF CH 57 N63°59.22' W22°36.87' At Fld. 146/(A)19°00.0'W Rad 067° - 077° rstd outside 20 NM fr stn. **KEFLAVIK NDB/LOM** - HHW 392.000 KF N63°59.10' W22°43.90' 109° 3.3 NM to Fld. Unk/17°30.0'W
OSCAR KILO NDB/LOM - MHW 364.000 OK N64°02.97' W22°36.30' 199° 3.9 NM to Fld. Unk/17°27.7'W

ILS/RADAR - ILS, ILS-DME 2, 11, 20, 29.

KEMBLE, UK **EGBP** CIV N51°40.08' W2°03.42' 433 UTC 0(+1DT) **H-3C-6F, L-4F**
RWY-03 (1148x66 GRS) **RWY-21**
RWY-08 L7,50 (6591x148 ASP) **L7 RWY-26**
6030→ ←5722
RWY-09L (1476x66 GRS) **RWY-27R**
RWY-13 (3087x150 ASP) **RWY-31**

SERVICE - FUEL - (NC-100LL, A1+)

REMARKS - Opr 0900-1700Z++ or SS; OT by arng. **CAUTION** - PJE and unmanned acft act. **MISC** - Bcn flg green coded KM. **RWY** - Rpt LDA for Rwy 08 is 5833', rpt LDA for Rwy 26 is 5230'.

COMMUNICATIONS - INFO - 118.9

KEMI TORNIO, FI **EFKE** CIV N65°46.91' E24°35.95' 61 UTC+2(+3DT) **H-1D, L-1D**
RWY-18 L5,30,50 (8212x157 ASP PCN 106 F/A/W/T) **L5,38,50 RWY-36**

SERVICE - AOE **LGT** - PAPI Rwy 18 GS 3.5°. **FUEL** - Opr 0500-1300Z Mon-Fri rqr 1 hr PN, fone C040-571 4469 (NC-100LL, A1) **FLUID** - De-icing avbl O/R C016-211 8777.

REMARKS - Opr HO. **CSTMS/IMG** - CSTMS avbl with 1.5 hr PN, IMG avbl with 2 hr PN. Req for svc dur office hr: 0600-1415Z++ Mon-Fri. **MISC** - Class D Airspace eff twr hrs, OT Class G.

COMMUNICATIONS - ATIS - Opr H24. 123.15 **TWR - (V)** 119.4 119.7

NAVAIDS - KEMI NDB - MHW 373.000 KEM N65°50.79' E24°36.17' 174° 3.9 NM to Fld. Unk/8°29.9'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 181° LCZR KE 110.9 CH 46 GS 3.5°

KEMIJARVI, FI **EFKM** CIV N66°42.77' E27°09.41' 692 UTC+2(+3DT) **L-1D**
RWY-17 (4593x75 ASP) **RWY-35**

REMARKS - Opr HX. **CAUTION** - Gldr act with acft tows and winch launches to 2700' AGL.

COMMUNICATIONS - RDO - 123.5

KEMPTEN, GM **DVORW-DME** - HA 109.600 KPT CH 33 (060/50) N47°44.75' E10°20.98' 2529/(A)0°00.0'E At FL 230 and blw scalloping of short duration btn 15 and 20 NM fr stn. KPT MRA Rad 262 at
20 NM - 5000'
40 NM - 7000'
43 NM - 8000'
63 NM - 13,000'

H-6I, L-6H

KENANA, SU **VORW-DME** - HA 115.400 KNA CH 101 N13°01.72' E32°54.43' 1303/2°13.4'E **NDB** - MHW 400.000 KNA N13°10.04' E32°43.04' Unk/2°13.8'E **L-20F**

KENITRA, MO **NDB** - HHW 380.000 CNL N34°17.23' W6°37.23' Unk/2°58.0'W **H-9A, L-13C**

KERKIRA, GR **VORW-DME** - HA 114.700 KRK CH 94 (150/50) N39°26.63' E20°04.37' 322° 12.1 NM to IOANNIS KAPODISTRIAS INTL. 78/(A)0°00.0'E **NDB** - MHW 403.000 KEK N39°35.27' E19°54.70' At IOANNIS KAPODISTRIAS INTL. Unk/2°53.9'E **H-15D, L-12G**

KERMAN, IR **OIKK** CIV N30°16.47' E56°57.07' 5736 UTC+3:30 **H-13D, L-18G**
(B) **RWY-05** (6645x148 ASP PCN 40 F/B/X/T) **RWY-23**
RWY-16 L5,12,50 (13456x148 ASP PCN 50 F/B/X/T) **L5,12,50 RWY-34**
13128→ ←12964

AIRPORT/FACILITY DIRECTORY B-225

SERVICE - FUEL - (NC-100LL, A1, J4)

REMARKS - Opr SR-1830Z. **CAUTION** - Animal haz.

COMMUNICATIONS - **ATIS** - Opr 0200-1830Z. 127.25 **TWR** - Opr H24. (V) 122.5 121.9

NAVAIDS - **KERMAN VORW-DME** - HA 114.200 KER CH 89 N30°15.13' E56°57.67' 336°

1.4 NM to Fld. 5736/(A)2°00.0'E **KERMAN TACAN** - HA KER CH 97 N30°15.94'

E56°57.64' At Fld. 5736/2°19.5'E **KERMAN NDB** - HHW 290.000 KER N30°15.56'

E56°57.88' 320° 1.1 NM to Fld. 5736/2°19.4'E

KER TACAN unuse

000°-100° byd 20 NM blw 14,000'

100°-120° byd 30 NM blw 16,000'

330°-360° byd 30 NM blw 12,000'

000°-049° byd 20 NM blw FL 140

070°-110° byd 20 NM blw FL 140

265°-300° byd 10 NM blw FL 120

KER VOR unuse

KERMANS SHAH, IR See SHAHID ASHRAFI ESFAHANI

KERRY, EI **EIKY** CIV N52°10.85' W9°31.43' 112 UTC 0(+1DT) **H-3C, L-3A**

(B) **RWY-07** (CLSD 4035x98 ASP PCN 25 F/C/Y/T)

RWY-25

3740→

←3740

RWY-08 L7,38,50,55

(6562x148 ASP PCN 44 F/C/W/T)

L7,23,50,55 **RWY-26**

SERVICE - LGT - PAPI Rwy 08 MEHT 49', PAPI Rwy 26 MEHT 52'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0445-0530Z++, 0620-1810Z++, 2100-2245Z++ Mon-Fri; 0445-0530Z++, 0620-1610Z++, 1820-1940Z++ Sat; 0620-1810Z++, 2100-2245Z++ Sun; OT 24 hr PPR via fone C353-66-976-4644 or C353-66-976-4350. **CAUTION** - Hi gnd 366' AMSL mrk with red flg lgt SW of arpt aprx 1 NM fr Rwy 08 thld. GP flags may be experienced byd 9NM due to low sgl coverage. **CSTMS/IMG** - CSTMS avbl with 24 hr PN.

COMMUNICATIONS - **TWR** - 123.325 **GND** - 121.6

NAVAIDS - **KERRY NDB** - MHW 334.000 KER N52°10.93' W9°31.47' At Fld. Unk/6°12.6'W

ILS/RADAR - ➔ **ILS-DME** - BRG 258 LCZR IKR 108.7 CH 24 GS 3°.

KHALDEH, LE **VORW-DME** - HA 112.600 KAD CH 73 N33°48.34' E35°29.08'

At RAFIC HARIRI INTL. 87/(A)3°00.0'E **H-13A-16G, L-16F**

KHAMIS MUSHAIT, SA See KING KHALED AB

KHARK ISLAND, IR **OIBQ** CIV N29°15.62' E50°19.43' 17 UTC+3:30 **H-13C, L-18F**

RWY-14

(5922x148 ASP PCN 26 F/B/Y/T)

RWY-32

SERVICE - FUEL - Opr 0230-1430Z. (NC-A1)

REMARKS - Opr SR-SS. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - **INFO** - 122.1 129.0 3650 5690 5400 (5400 Heliport)

NAVAIDS - **KHARK ISLAND VORW-DME** - L 113.400 KHG CH 81 N29°15.87' E50°19.03'

At Fld. 17/(A)2°30.0'E **KHARK ISLAND NDB** - HW 325.000 KHG N29°15.64' E50°19.27'

At Fld. 17/2°44.0'E

KHG VOR-DME unuse

210°-290° byd 20 NM blw 5000'

KHARTOUM ACC/FIC, SU **HSSS** (CIV) **CON** - (V) 124.7 125.4 11300 5517

H-12H-14E, L-20F

KHARTOUM, SU **HSSS** MIL/CIV N15°35.37' E32°33.19' 1265 UTC+3

H-12H-14E, L-20F

(B) **RWY-18** L4,5,10,50

(9777x148 ASP)

L4,5,50 **RWY-36**

SERVICE - AOE **FUEL** - (NC-100LL, A1) - Due to shortage of A1 fuel at Khartoum arpt, flts are rqr'd to uplift max fuel from last point of dep.

REMARKS - **CAUTION** - Do not confuse sodium lgt prior to Rwy 18 with HIRL.

COMMUNICATIONS - **APP** - (V) 118.1 **TWR** - (V) 119.2 **FIRE** - 121.9 (Firefighting svc)

NAVAIDS - **KHARTOUM VORW-DME** - HA 112.100 KTM CH 58 N15°33.97' E32°33.20'

357° 1.4 NM to Fld. 1280/2°23.9'E

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ILS/RADAR - ➔ **ILS** - BRG 180° LCZR KIS 117.0 GS 3° LOM KIS 358 ➔ **ILS-DME** - BRG 360°
LCZR KIN 109.7 CH 34 GS 3° LOM KIN 335.

KHASAB, MU **OOKB** MIL N26°10.26' E56°14.43' 100 UTC+4 **H-13D, L-18G**
RWY-01 (8202x75 ASP PCN 15 F/A/X/U) **RWY-19**
7382→ ←7382
→HOOK UNK (1755') HOOK UNK (1847') ←
REMARKS - Opr 0300-0900Z exc. Fri. **RSTD** - PPR 48 hr.

KHATAMI AB, IR See ESFAHAN SHAHID BEHESHTI INTL

KHATANGA ACC, RS **UOHH** (CIV) **(R) CON** - **128.0** 128.0 **RDO** - 4720 5550X
T-2G

KHATANGA, RS **UOHH** CIV N71°58.68' E102°29.43' 95 UTC+7(+8DT) **T2-G**
RWY-06 L5,20 (8872x158 CON PCN 16 R/A/X/T) L3,5,20 **RWY-24**
←8216

SERVICE - FUEL - (NC-TS1)

REMARKS - **RSTD** - First 492' of Rwy 06 unse for tkof of cat C, D acft. First 262' of Rwy 24 unuse for tkof. **MISC** - Afld for emerg ldg of flt opr along the cross-polar rte.

COMMUNICATIONS - TWR - 118.1 **KRUG** - Svc as LANDING. **(R) (V)** 118.1 129.0X
METEO - 126.6

NAVAIDS - KHATANGA NDB - HW 332.000 ZT N71°59.90' E102°37.80' 245° 2.9 NM to Fld.
Unk/5°15.0'E **KHATANGA NDB/LOM** - HW 332.000 OA N71°57.00' E102°18.60' 063°
3.8 NM to Fld. Unk/5°38.0'E

ILS/RADAR - ➔ **ILS** - BRG 056° LCZR IOA 110.3 GS 2.8° LOM OA 332. Opr HO.

KHORAM ABAD, IR **OICK** CIV N33°26.12' E48°16.97' 3782 UTC+3:30
H-13C, L-17A
RWY-11 L5,12,50 (10498x148 ASP PCN 50 F/C/Y/T) L5,12,50 **RWY-29**
←9798

SERVICE - LGT - PAPI Rwy 11 GS 3.5°, Rwy 29 GS 3.5° **FUEL** - Opr 0330-1200Z OT O/R.
(NC- A1)

REMARKS - Opr SR-SS. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - INFO - **(V)** 118.35 121.9

NAVAIDS - KHORAM ABAD VORW-DME - HA 116.400 KRD CH 111 N33°26.11'
E48°17.35' At Fld. 3762/(A)3°00.0'E **KHORAM ABAD NDB** - MHW 350.000 KRD
N33°23.11' E48°26.07' 292° 8.2 NM to Fld. 3782/3°40.0'E

KHOY, (QOTAR) IR **OITK** CIV N38°25.65' E44°58.41' 3981 UTC+3:30 **L-15D, H-13B**
RWY-15 (9190x98 ASP PCN 30 F/C/X/T) **RWY-33**

REMARKS - Opr 0400-1030Z.

COMMUNICATIONS - INFO - Opr O/R. 122.25 121.85

NAVAIDS - KHOY NDB - MHW 288.000 KHY N38°25.75' E44°58.15' At Fld. Unk/4°52.9'E

KHRABROVO, RS **UMKK** MIL/CIV N54°53.40' E20°35.56' 42 UTC+2(+3DT)
H-2H-5E, L-2G
RWY-06 L5,50 (8202x148 CON PCN 34 R/C/X/T) L5,33,50 **RWY-24**

SERVICE - FUEL - (NC-TS1)

REMARKS - Opr 0600-1900Z+.

COMMUNICATIONS - KALININGRAD TWR - Opr HO. **(V)** 129.425

KALININGRAD GND - Opr HO. 126.0 **KALININGRAD RADAR** - Opr HO. **(R) (V)** 126.0
KALININGRAD METEO - Opr HO. 122.05 **KALININGRAD TRANSIT** - Opr HO. 131.7

NAVAIDS - KALININGRAD NDB/LOM - HHW 840.000 KR N54°54.60' E20°40.30' 246°
3.0 NM to Fld. Unk/4°35.4'E **VHF/DF**

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ILS/RADAR - ➔ **ILS** - BRG 243° LCZR IKR 109.5 GS 2.4° LOM KR 840. ■ **RADAR** - ASR - Call KALININGRAD KRUG 126.0 Opr HO. GCA - Call KALININGRAD PRECISION 120.0 Opr HO

KHURAI, SA **OEKR** PVT N25°04.17' E48°11.70' 1300 UTC+3 **H-13F, L-20G**
RWY-16 (6250x98 ASP) **RWY-34**
COMMUNICATIONS - **CTAF** - Opr SR-SS 122.8 **AG** - Call Dispatch. Opr SR-SS. 138.22
NAVAIDS - **KHURAI NDB** - MH 310.000 KHA N25°04.00' E48°11.70' At Fld. Unk/2°18.1'E SR-SS

KIDLINGTON, (OXFORD) UK **EGTK** CIV N51°50.22' W1°19.20' 270 UTC 0(+1DT)
L-4G
(B) **RWY-01** L7,23,50 (4327x75 ASP) L7,50 **RWY-19**
RWY-03 (2887x154 GRS) **RWY-21**
RWY-09 L7 (2887x148 GRS) L7,50 **RWY-27**
RWY-11 (2493x92 ASP) **RWY-29**
SERVICE - **LGT** - PAPI Rwy 01 GS 3.5°. Arpt IBn, green coded KD. **FUEL** - (NC-100-LL, A1)
OIL - O-113-117-123-125
REMARKS - Opr 0730-2000Z++ Mon-Fri; 0800-1700Z++ Sat; 0900-1700Z++ Sun and hol. OT by arng. **RSTD** - PPR.
COMMUNICATIONS - **OXFORD ATIS** - Opr 0730-2000Z++ Mon-Fri; 0930-1600Z++ Sat 136.225 **OXFORD APP** - Opr 0730-2000Z++ Mon-Fri; 0930-1600Z++ Sat 125.325
OXFORD TWR - Opr 0730-2000Z++ Mon-Fri; 0800-1700Z++ Sat. 133.425
OXFORD GND - 121.95
NAVAIDS - **OXFORD DME** - T OX CH 124 N51°49.95' W1°19.37' At Fld. 276/2°47.1'W
OXFORD NDB - MHW 367.500 OX N51°49.95' W1°19.39' At Fld. Unk/2°47.1'W
VHF/DF

KIEL HOLTEAU, GM **EDHK** CIV N54°22.77' E10°08.71' 101 UTC+1(+2DT)
H-5D, L-2E
(B) **RWY-08** L2,7,35,43 (4134x98 ASP) L2,7,24,43 **RWY-26**
3609→ ← 3990
RWY-08L (1476x115 GRS AUW12) **RWY-26R**
SERVICE - AOE **FUEL** - (NC-100LL, A1) **TRAN ALERT** - Delay in gnd svc must be exp due to ltd cap on the refuel area. Acft have to be moved prior and aft refuel. Cross-svc via AFTN only.
REMARKS - Opr 0600-2030Z++ Mon-Fri, 0700-2000Z++ Sat, 0800-2030Z++ Sun and hol; OT PPR. **RSTD** - Any jet apch exc for tkof/lbg proh. For other acft and copter practice apch proh btn 1200-1400Z++. PPR for practice apch aft 1500Z++. PPR via AFTN only. A/D 24 hr PPR. Pilots must etc Kiel-Military on 338.325 10 min prior to lbg and to req eng start.
CAUTION - Ocnl copter tfc must be exp while CTLZ is not active. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **MISC** - Fone C(0431)322604. Class D Airspace eff twr hrs, OT Class E.
COMMUNICATIONS - **TWR** - Opr 0500-1910Z Mon-Fri, 0600-1900Z Sat, 0700-1910Z Sun and hol. OT PPR. (E) 119.975 25NM 4000FT GND. **GND** - 125.6 338.325
BREMEN INFO - 125.1 **BREMEN RADAR** - (R) 136.225 284.4 **KIEL MIL** - 338.325
NAVAIDS - **KIEL HOLTEAU DME** - T KHD CH 32 (025/10) N54°22.73' E10°08.72' At Fld. 119/1°07.2'E **KIEL HOLTEAU NDB/LMM** - MHW 353.000 KIL N54°22.65' E10°07.20' At Fld. Unk/1°06.7'E **VHF/DF**
ILS/RADAR - **ILS** - ILS GP Rwy 26 O/S, LOC DME avbl.

KIFFA, MR **GQNF** CIV N16°35.40' W11°24.37' 423 UTC 0 **H-11C, L-19A**
RWY-07 (5208x95 ASP) **RWY-25**
REMARKS - Opr HX.
COMMUNICATIONS - **AFIS** - Opr HS, OT O/R 24 hr to GQNNYDYX. 118.9
AG VOICE RDO - Opr HS, OT O/R 24 hr to GQNNZTZX. 5680
NAVAIDS - **KIFFA NDB** - MHW 265.000 KF N16°37.26' W11°24.16' 186° 1.9 NM to Fld. Unk/5°56.9'W

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KIIKALA, FI EFIK CIV N60°27.75' E23°39.15' 381 UTC+2(+3DT) **L-1D**

RWY-10 (1520x49 GVL)
RWY-18 (3051x49 ASP)

RWY-28
RWY-36

REMARKS - Opr HX. **CAUTION** - Gldr act with aero tows and winch launches to 2700' AGL.

COMMUNICATIONS - **RDO** - 123.6

KILLINEY, EI **NDB** - MHW 378.000 KLY N53°16.17' W6°06.39' 327° 10.9 NM to DUBLIN.
Unk/5°0.0'W Unrel byd 45NM blw 8000' btn 180°-270°. **H-3D-5A, L-3B**

KILO-SIERRA, FI **NDB/LOM** - MHW 340.000 KS N66°02.53' E29°05.56' Unk/10°46.5'E **L-1D**

KING ABDULAZIZ AB, (DHAHRAN) SA **OEDR MIL** N26°15.93' E50°09.12' 84
UTC+3 **H-14G, L-18F-20G**

(B) **RWY-16L** L3,4,5,11,46 (11811x148 ASP PCN 56 F/A/W/T) L3,4,5,11,46 **RWY-34R**
RWY-16R L4,5,11,46 (12008x148 ASP PCN 56 F/A/W/T) L4,5,11,46 **RWY-34L**
←NET UNK (357' OVRN) BAK-14 UNK (984') BAK-14 UNK (1233') NET UNK (237' OVRN) →

SERVICE - AOE **FUEL** - A1 J8 (Saudi Aramco. Fone C966-3-862-2225) (NC-J4)

REMARKS - **RSTD** - All RON aircrews will clear CSTMS and IMG before going to billeting.
PPR rqr for civ ops (Fone C03-864-4608). **CAUTION** - Ints stu jet flying.

COMMUNICATIONS - **ATIS** - 117.2 **APP** - (R) 125.4 124.65 318.95 340.0 310.5

TWR - (E) 118.2 124.3 343.7 (EAST 118.7 WEST 118.4 287.35) **GND** - 121.6 362.3

CLNC DEL - 126.3 121.8 **HOTEL 1** - Opr 0400-1530Z Sat-Wed. 9130 11100 **REMARKS**: (US

Mil Trng Msn) **AMC OPS** - Call BOATER ALPHA 127.9 349.4 **REMARKS**: (Call CRAYON
8993 USB 0700-1500Z, 6738 USB 1500-0700Z) (All AMC msn ctc AMC OPS 3 hr and 1 hr

out.) **PMSV METRO** - Call EAGLE METRO 259.9 **ACC OPS** - Call MAESTRO 301.65

ACC SOF - Call SABRE 280.3

NAVAIDS - **DHAHRAN DVORTACW** - HA 117.200 DHA CH 119 N26°15.65' E50°08.41'
At Fld. 65/(A)2°00.0'E

ILS/RADAR - **→ILS-DME** - BRG 163° LCZR I-DHC 109.3 CH 30 GS 3.2° **→ILS-DME** - BRG 163°
LCZR I-DHH 109.1 CH 28 GS 3° **→ILS-DME** - BRG 343° LCZR I-DHL 109.7 CH 34 GS 3°
→ILS-DME - BRG 343° LCZR I-DHA 109.9 CH 36 GS 3°

KING ABDULAZIZ INTL, (JEDDAH) SA **OEJN MIL/CIV** N21°40.77' E39°09.39'
48 UTC+3 **H-14F, L-20F**

(B) **RWY-16L** L5,33,43 (12106x148 ASP AUW950/747) L5,33,43 **RWY-34R**
RWY-16C L2,3,4,5,10,43 (10825x197 CON 747) L2,3,4,5,10,43 **RWY-34C**
RWY-16R L2,3,4,5,10,43 (12467x197 CON 747) L2,3,4,5,10,43 **RWY-34L**

SERVICE - AOE **FUEL** - A1 (Arabian Petroleum Supply Co. Fone C966-2-685-7777)
(NC-100LL, J4)

REMARKS - **RSTD** - Ovft of city proh blw 5000'. **CAUTION** - Unctl veh crossing some twy.
Bird haz.

COMMUNICATIONS - **ATIS** - 114.9 **JEDDAH APP** - 119.1 124.0 123.8 358.7 345.6

JEDDAH TWR - 118.2 124.3 343.7 **GND** - 121.6 362.3 **JEDDAH CLNC** - 121.8

NAVAIDS - **KING ABDULAZIZ VORTACW** - HA 114.900 JDW CH 96 N21°40.75' E39°09.97'
At Fld. 28/(A)1°00.0'E

ILS/RADAR - **ILS-DME** - SEE TERMINAL FLIP FOR ILS-DME 16L/R/C, 34L/R DATA. **→**
ILS-DME 34C BRG 338° LCZR I-JDW 109.5 CH 32 GS 3°. **■ RADAR** - Call Jeddah Radar -
ASR - (E) 119.1

KING ABDULLAH AB, JO See MARKA INTL

KING ABDULLAH BIN ABDULAZIZ, (JAZAN) SA **OEGN MIL/CIV**
N16°54.07' E42°35.15' 20 UTC+3 **H-14F, L-20G**

(B) **RWY-15L** L6,12,50 (10006x148 ASP PCN 68 F/A/W/T) L6,33,50 **RWY-33**

SERVICE - **FUEL** - (NC-A1)

REMARKS - **RSTD** - PPR. **CSTMS/IMG** - Avbl, PN rqr.

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COMMUNICATIONS - JAZAN TWR - (E) 118.0 235.9 **GND** - 121.9

NAVAIDS - JAZAN VORTACW - HA 117.700 GIZ CH 124 N16°54.46' E42°34.65' At Fld.
14/(A)1°00.0'E

ILS/RADAR - ➔ **ILS-DME** - BRG 329° LCZR I-GZN 109.9 CH 36 GS 3°

KING FAHD INTL, (DAMMAM) SA **OEDF** CIV N26°28.27' E49°47.87' 72 UTC+3

H-14G, L-18F

(B) **RWY-16L** L3,4,5,10,50 (13124x197 ASP PCN 103 F/A/X/T) L3,4,5,10,50 **RWY-34R**
RWY-16R L3,4,5,10,50 (13124x197 ASP PCN 103 F/A/X/T) L3,4,5,10,50 **RWY-34L**

SERVICE - **FUEL** - (NC-100LL, A1) **OIL** - Turbine/Tubro-prop.

COMMUNICATIONS - DAMMAM APP - (R) 126.3 126.1 374.4 382.2

DAMMAM ARR/DEP - (R) 125.0 369.7 **TWR** - 118.2 124.35 345.0 (WEST 124.35 345.0)
(EAST 118.2) **GND - (E)** 121.65 121.75 345.0

NAVAIDS - DAMMAM DVORTACW - HA 112.500 KFA CH 72 N26°21.89' E49°49.17' 348°
6.5 NM to Fld. 66/(A)2°00.0'E

ILS/RADAR - ➔ **ILS-DME** 16R - BRG 162° LCZR IWSR 108.1 CH18 GS 3° ➔ **ILS-DME** 34L - BRG
342° LCZR IWMR 108.9 CH 26 GS 3° ➔ **ILS-DME** 16L - BRG 162° LCZR IMBF 111.7 CH54 GS
3° ➔ **ILS-DME** 34R - BRG 342° LCZR IABF 110.7 CH44 GS 3°

KING KHALED AB, (KHAMIS MUSHAIT) SA **OEKM** MIL N18°17.84' E42°48.21'

6778 UTC+3 **H-14F, L-20G**

RWY-06 LA,50,55 (12467x148 ASP PCN 56 F/A/W/T) LA,50,55 **RWY-24**
←NET UNK (190' OVRN) UNK(B) (1282') UNK(B) (1357') NET UNK (180' OVRN) →
RWY-14 LA,43,55 (12467x148 ASP PCN 56 F/A/W/T) LA,43,55 **RWY-32**
←NET UNK (250' OVRN) UNK(B) (1500') UNK(B) (1317') NET UNK (180' OVRN) →

SERVICE - **LGT** - VASI Rwy 32 GS 2.5°. **FUEL** - (NC-A1, J4)

REMARKS - **RSTD** - PPR.

COMMUNICATIONS - APP - 130.5 120.9 124.5 131.0 **TWR** - 118.9 **GND** - 127.7

DEP - 125.8

NAVAIDS - KHAMIS MUSHAIT VORTACW - T 115.900 KAM CH 106 N18°17.98' E42°47.40'
At Fld. 6701/2°10.6'E

ILS/RADAR - ➔ **ILS-DME** - BRG 239 LCZR I-KAM 109.5 CH 32 GS 3°

KING KHALED INTL, (RIYADH) SA **OERK** MIL/CIV N24°57.46' E46°41.93' 2049

UTC+3 **H-14F, L-20G**

(B) **RWY-15L** L3,4,5,10,46 (13796x197 ASP PCN 80 F/A/W/T) L3,4,5,10,46 **RWY-33R**
RWY-15R L3,4,5,10,46 (13796x197 ASP PCN 80 F/A/W/T) L3,4,5,10,46 **RWY-33L**

SERVICE - AOE **FUEL** - A1 (Saudi Aramco, Fone C966-1-221-1291) (NC-100LL)

REMARKS - CAUTION - Lgtd and flagged well rig is lctd on lside of Rwy 15L at a dist of
3966' fr the apch end. The hgt of the well rig is aprx 154'. Exer ctn dur apch to Rwy
15L/33R.

COMMUNICATIONS - ATIS - 113.3 **RIYADH APP - (R) (E)** 120.0 124.1 339.4 343.4 FNA
118.9M 359.2M **TWR** - 118.8 342.6 118.6 342.2 (WEST 118.8 342.6) (EAST 118.6 342.2)

GND - 121.7 339.1 121.6 348.6 (WEST 121.7 339.1) (EAST 121.6 348.6)

CLNC DEL - 121.8 335.7

NAVAIDS - KING KHALED DVORTACW - HA 113.300 KIA CH 80 N24°53.16' E46°45.56'
321° 5.4 NM to Fld. 1960/(A)1°00.0'E

ILS/RADAR - **ILS-DME** - 15L, 15R, 33L, 33R

KING KHALED MILITARY CITY, SA **OEKK** MIL N27°54.06' E45°31.69'

1352 UTC+3 **H-14F, L-16H-18E**

RWY-13 L50 (12005x148 ASP 747) L50 **RWY-31**

REMARKS - Opr HS. **RSTD** - PPR, 3 hr PN rqr.

COMMUNICATIONS - CTAF - Opr 1400-0400Z. 122.8 **ATIS** - Opr SR-SS 127.6 366.6

GND - 121.6 381.4 **INFO** - Opr 0400-1400Z. 120.7 237.6 **FIRE RESCUE SVC** - 133.5

REMARKS: Ctc 15 min prior ETA 1400-0400Z.

NAVAIDS - KING KHALED MILITARY CITY VORTACW - T 115.900 KMC CH 106
N27°52.77' E45°33.41' 310° 2.0 NM to Fld. 1342/2°56.6'E

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ILS/RADAR - ➔ILS-DME BRG 308° LCZR IKMC 108.7 CH 24 GS 3°

KING PYRROS, GR See IOANNINA

KINLOSS, UK EGQK MIL N57°38.96' W3°33.64' 22 UTC 0(+1DT) **H-2E-5A, L-3C**
(B) **RWY-08** L5,41,50 (7582x151 ASP 747) L5,24,50 **RWY-26**
HOOK RHAG(B) (1635') HOOK RHAG(B) (2311')
SERVICE - AOE **LGT** - ABn, red coded KS. **JASU** - 1(A4) 1(C1) 1(C5) 1(C6) 1(E4) 1(E7)
1(E12) **FUEL** - 100LL, A1+ **FLUID** - LHOX, LOX, De-Ice (1 Oct - 30 Apr, OT 1 hr PN). **OIL** -
O-128-147-149-156
REMARKS - Opr HO. PPR 24hr. **RSTD** - PPR. **CAUTION** - Bird haz.
COMMUNICATIONS - **LOSSIE APP** - (R) (E) 123.3 234.875 362.3X **TWR** - 122.1X 235.025
257.8X **GND** - Call INFO - 389.4 **REMARKS**: (GND info and start-up clnc only.)
LOSSIE DEP - 119.35 123.3 308.85 **OPS** - (50 NM rng) 278.975
NAVAIDS - **KINLOSS TACAN** - HA KSS CH 35 (100/60) N57°39.56' W3°32.11' At Fld.
75/(A)6°00.0'W (200/60 270°-090°) MP 1300-1700Z++ 2nd Mon. **KINLOSS NDB** - HHW
370.000 KS N57°39.02' W3°35.22' At Fld. Unk/4°56.0'W MP mthly 0900-0930Z++ 4th
Wed. **UHF/DF**
ILS/RADAR - **ILS** ■ **RADAR**- ASR-CALL **LOSSIE DIRECTOR** 258.7 123.3x **PAR-CALL**
TALKDOWN 118.35 279.15 240.475

KIRCOOBREE RANGE, UK RAR RDO - Opr 0800-1630Z++ (O/T ctc Scottish Info
119.875) 122.1. **H-2E-3D, L3C**

KIRKENES/HOYBUKTMOEN, NO See HOYBUKTMOEN

KIRKUK ACC, IZ ORBB MIL **CON** - 125.3 237.325 **H-13B,C, L-15D, 16H, 17A, 18E**

KIRKUK AB, (AL HURIYYAH) IZ ORKK AF N35°28.17' E44°20.94' 1061 UTC+3(+4DT)
H-13B, L-15D
RWY-13 L50,53 (9809x148 CON PCN 46 R/B/W/T) L50,53 **RWY-31**
HOOK MAAS(B) (1918') HOOK MAAS(B) (2036')
RWY-14 L50,53 (8535x160 ASP PCN 79 F/B/W/T) L50,53 **RWY-32**
SERVICE - **LGT** - Thld lgt installed nstd on apch end of Rwy 31. Rwy 13/31 and 14/32, emerg
afld lgt sys (EALS) in use at reduced intensity, nstd lighting. Dist Remaining Markers for
Rwy 13/31 and 14/32 in place. PAPI for Rwy 13/31 and 14/32 mil certified only. **FUEL** -
J8. **TRAN ALERT** - No Fleet svc.

AIRPORT/FACILITY DIRECTORY B-231

REMARKS - RSTD - PPR rqr for all acft exc R/W t/c ldg at the forward refuel pt. R/W repositioning fr forward refuel pt to AMC and/or DV ramps must ctc AMOPS on the VHF/UHF freq for coord. For prior coord, ctc AMOPS at DSN 318-444-2456/2457 or E-mail: NIPR 506EOSS.AMOPS@krab.centaf.af.mil. and SIPR: 506EOSSAMOPS@krab.aorcentaf.af.smil.mil. Acft not issued a PPR may be turned away. Twy A ltd C130 and smaller, N of TWR. Rwy 32 thld displ 550'. Numerous obst not marked with obst lgt. Explosive demolition N35°27.022' E44°18.259' (KRR R-241/2.5NM) 5000' rad, 0630-1000Z++ Wed and Sat. All hvy acft (C5 and hvy) are rstd to ldg and prk on Rwy 14/32. PAPI are avbl only when the emerg afld lgt sys (EALS) is turned on. Afld blackout opr in eff dly fr SS to SR. Rwy lgt avbl upon req prior to dep and arr. Acft with a wg span greater than 135' are rstd fr using twy F due to obst. Acft with a GWT of more than 41 thou lb are not auth to make 180° turns on the asphalt portion of Rwy 14/32. 180° turns may be made on the underrun portion (conc) 14/32. **CAUTION** - Twy C is ltd to C17 and smaller acft. Rwy 13/31 is nongrooved sfc and potential for hydroplaning exists in addition to braking action being poor. Haz use caution when taxiing fr Rwy 13 to twy A. Raised thld lgt on apch end of Rwy 32 aprx 33 ft fr Rwy 13/31 extn cntrl. All prk aprons have FOD haz due to weathered joint seals. GPN-20 ASR, TPX-42 sec'd radar, or the TPN-25 PAR eqpt lctd cntr infield btn the rwy may result in radar wng indications to incl search, acquisition, and launch. AN/TTQ-36 version 8 fire finder radar lctd immed N of the afld; eqpt may result in radar wng indications to incl search, acquisition, and launch. R/W utilizing the forward refuel pt should always use extreme caution when arr/dep the landing sfc. **TFC PAT** - Cir not auth E of field for all apch. All acft apch Kirkuk need to ctc Kirkuk ATC ASAP for afld update and current threat status. Unmanned acft veh act in the vcnty of Kirkuk AB. Due to threat avoidance, all acft exp Rwy 13/14 arr and Rwy 31/32 dep. Acft must not overfly or opr within 1000' of radar trans lctd aprx 2NM W of afld. Severe radiation haz exists. All acft must ctc Kirkuk twr prior to entering cl D airspace (5NM, sfc to 3000' AGL). **MISC** - No acft slings avbl. For A-G cable (MAAS) removal please ctc twr no later than 45 min prior to arr. Wx DSN 318-444-2690/2461. Vis obst N-SE for wx obsn. Attn aircrew: do not confuse the abandoned afld (K-1) lctd on the KRR R307/004 DME (N35°30'E44°17'") for Kirkuk AB when attempting to land. Use of posn lgt are mandatory for all R/W utilizing the N forward refuel pt SS to SR. Ltd wx radar avbl.

COMMUNICATIONS - PTD - 119.25 253.7 **ACC** - 125.3 237.325 **APP** - 129.75 264.2
TWR - 125.55 327.8 **GND** - 127.375 256.45 **COMD POST** - (call Stone Krab) 128.1 245.6
METRO - 298.3

NAVAIDS - KIRKUK TACAN - HA KRR CH 86 N35°28.27' E44°20.87' At Fld. 1049/4°14.0'E
 MP Wed 0400-0600Z++.

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA. PAR - MP Sat thru Tue, and Thu 0400-0600Z++ addl 0600-0800Z++ on Wed and 0400-0800Z++ on Fri. SSR - MP 0001-0200Z++ 1st Fri mthly. ASR - MP Sat thru Tue, and Thu 1900-2059Z++ addl 1900-2259Z++ Fri.

KIRK WALL, UK **EGPA** CIV N58°57.47' W2°54.30' 51 UTC 0(+1DT) **L-1B**
RWY-06 (3881x151 ASP) **L50 RWY-24**
 3432→
RWY-09 L5,23,50 (4685x151 ASP PCN 15 F/D/Y/T) **L5,41,50 RWY-27**
 4108→ ←4554
RWY-15 (2231x59 ASP) **RWY-33**
 ←1837

SERVICE - LGT - PAPI Rwy 09 GS 3.5° MEHT 42', PAPI Rwy 27 GS 3.5° MEHT 47' **FUEL** -
 Opr 0730-1730Z++ Mon-Fri, 0800-1600Z++ Sat, O/T by arng. (NC-100LL, A1) **FLUID** -
 WAI

REMARKS - Opr 0730-1945Z++ Mon-Fri, 0730-1845Z++ Sat, 0900-1945Z++ Sun, O/T by arng. **RSTD** - PPR. Rwy 06-24 ltd to use by acft 12,566 lb or less. Rpt LDA Rwy 15 is 1837'. Rpt LDA Rwy 09 is 4160'. Rpt LDA Rwy 27 is 4275'. **CSTMS/IMG** - Ltd CSTMS avbl with PN.

COMMUNICATIONS - 0730-1945Z++ Mon-Fri; 0730-1845Z++Sat; 0730-1100Z++Sun.
APP - 0715-1945Z++ Mon-Fri; 0715-1845Z++ Sat; 0845-1945Z++ Sun. 118.3
TWR - 118.3

NAVAIDS - KIRK WALL TVORW-DME - T 108.600 KWL CH 23 (025/10) N58°57.58' W2°53.64' At Fld. 65/(A)6°48.0'W Avbl for apch and ldg aid dur APP hr only. (DME unlock may occur in sc'tr 185° -210° byd 15NM. **KIRK WALL NDB** - MHW 395.000 KW N58°57.58' W2°54.69' At Fld. Unk/4°55.7'W **VHF/DF**

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ILS/RADAR - ➔ILS-DME BRG 093° LCZR I-ORK 110.10 CH 35 GS 3.5°➔ILS-DME BRG 273°
LCZR I-KIR 110.10 CH 35 GS 3.5°.

KIRN, GM VORTACW - HA 117.500 KIR CH 122 (040/50) N49°51.01' E7°22.17'
1453/(A)0°00.0'E
KIR VORTAC unuse

- 070°-110° byd 10 NM blw 5500'
- 070°-110° byd 25 NM blw 8000'
- 250°-300° byd 15 NM blw 8000'
- 250°-300° byd 25 NM blw 10,000'
- 110°-250° and 300°-070° 0-10NM blw 2500'
- 110°-250° and 300°-070° 10-20NM blw 3800'
- 110°-250° and 300°-070° 20-30NM blw 5100'
- 110°-250° and 300°-070° 30-40NM blw 6700'

H-6H, L-6G

KIRUNA, SW ESNO CIV N67°49.32' E20°20.21' 1508 UTC+1(+2DT) H-1C, L-1D
RWY-03 L5,33,50 (8209x148 ASP PCN 60 F/B/X/T) L5,33,50 RWY-21

SERVICE - LGT - PAPI both rwy GS 2.86°. FUEL - (NC-100LL, A1)
REMARKS - Opr 0445-2230Z++ Mon-Fri, 0500-1330Z++ Sat, 1200-2245Z++ Sun. RSTD -
PPR for ops outside TWR opr hr. CSTMS/AG/IMG - CSTMS avbl. MISC - Ldg fees, INCR
charges outside opr hr.
COMMUNICATIONS - TWR - (V) 130.15
NAVAIDS - KIRUNA VORW-DME - HA 115.200 KRA CH 99 N67°49.15' E20°20.25' At Fld.
1489/(A)5°00.0'E KIRUNA NDB/LOM - MHW 360.000 OP N67°53.25' E20°27.17' 209°
4.7 NM to Fld. 1507/6°47.2'E VHF/DF
ILS/RADAR - ➔ ILS - BRG 209° LCZR NQ 110.3 GS 2.86° LOM OP 360. Dur win GS may vary
btn 2.86° and 3.1° because of snow.

KISH ISLAND, IR OIBK MIL/CIV N26°31.57' E53°58.81' 100 UTC+3:30 H-13D, L-18G
(B) RWY-09L (CLSD 12600x215 ASP RWY-27R
PCN 60 F/B/W/T)

RWY-09R L5,12,50 (12028x148 ASP PCN 60 F/B/W/T) L5,11,50 RWY-27L
SERVICE - FUEL - Avbl 0230-2030Z. Fuel svc eqpt unavbl for Airbus, B747 and similar wide
body acft. (NC-A1)
REMARKS - Opr 0300-1430Z OT PPR. CAUTION - Animal and bird haz. Rwy 09L clsd exc int
rwy and twy A, B and C. Rwy 09L btn apch end and twy B open and usable as twy til 19
JUN 2006 est.
COMMUNICATIONS - ATIS - Opr 0230-2030Z. 128.0 TWR - Opr 0230-2030Z. (V) 118.45
119.6 121.675 257.8

NAVAIDS - KISH ISLAND VORW-DME - HA 117.400 KIS CH 121 N26°31.55' E53°57.71'
087° 1.0 NM to Fld. 91/(A)2°0.0'E KISH ISLAND TACAN - HA KIH CH 112 N26°31.40'
E54°00.60' 276° 1.6 NM to Fld. 90/1°51.0'E KISH ISLAND NDB - HHW 201.000 KIH
N26°31.65' E53°57.17' 092° 1.5 NM to Fld. Unk/1°52.4'E
KIS VOR-DME unuse
005°-050° 15-25 NM blw 3500'
020°-030° byd 35 NM blw 7000'
020°-050° 25-35 NM blw 5000'
030°-050° byd 35 NM blw 6000'
050°-070° byd 25 NM blw 3500'
070°-090° byd 35 NM blw 3000'
310°-320° 15-25 NM blw 2500'
310°-320° byd 25 NM blw 3000'
320°-005° 12-20 NM blw 3000'
320°-005° 20-25 NM blw 4000'
320°-330° 25-35 NM blw 5000'
320°-330° byd 35 NM blw 6000'
330°-350° byd 25 NM blw 6500'
350°-020° 25-35 NM blw 6500'
350°-020° byd 30 NM blw 7000'
000°-060°
140°-170°

KIH VORTAC unuse

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KITEE, FI **EFIT** CIV N62°09.97' E30°04.42' 364 UTC+2(+3DT) **L-1D**
RWY-01 L5,50 (4921x98 ASP) L5,50 **RWY-19**
REMARKS - Opr HX. **CAUTION** - Glfr act with acft tows and winch launches to 2700' AGL.
COMMUNICATIONS - **RDO** - 123.45

KITHIRA, GR **LGKC** CIV N36°16.46' E23°01.02' 1045 UTC+2(+3DT) **H-10G-15D, L-14H**
RWY-02 L6,50 (4794x98 ASP PCN 29 F/B/X/T) L6,50 **RWY-20**
REMARKS - Opr by NOTAM. **CAUTION** - Possible visual illusion: Rwy pavement 148' wide but area 1150' fr apch end Rwy 02 to fst twy steeply shouldered: rwy sfc 98' wide. No edge mrk.
COMMUNICATIONS - **AFIS** - (V) 123.25 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)
NAVAIDS - **KITHIRA TACAN** - HA KTR CH 31 (200/60) N36°18.15' E22°57.07' 116° 3.6 NM to Fld. 1185/3°03.0'E Opr SR-SS. **KITHIRA NDB** - MHW 372.000 KIT N36°16.59' E23°00.91' At Fld. 1043/3°03.3'E

KITTILA, FI **EFKT** CIV N67°42.06' E24°50.81' 644 UTC+2(+3DT) **H-1D, L-1D**
RWY-16 L5,38,50 (8202x148 ASP PCN 80 F/A/W/T) L5,30,50 **RWY-34**
MA-1 UNK (128' OVRN) HOOK UNK (2231') MA-1 UNK (160' OVRN)
SERVICE - **LGT** - PAPI Rwy 34 GS 3.4°. **FUEL** - 3 hr PN req for jet fuel dur AFIS hr, C358-16-366 8940; O/T C0400-191-320 (NC-100LL, A1) **FLUID** - De-Ice
REMARKS - Opr HO. **CSTMS/IMG** - Avbl HO. **MISC** - Ldg fees.
COMMUNICATIONS - **ATIS** - Opr H24. 133.85 **AFIS** - (V) 118.95 119.7
NAVAIDS - **KITTILA NDB** - MHW 328.000 KIT N67°37.38' E24°53.85' 338° 4.8 NM to Fld. Unk/9°09.6'E **VHF/DF**
ILS/RADAR - ➔ **ILS** BRG 339° LCZR KT 111.9 GS 3.4°. LCTR B 364. ➔ **LOC-DME** - BRG 160° LCZR HOU 111.9 CH 56 LCTR L 344. Lczt crs offset + 1.3' fr rwy hdg.

KITZINGEN AAF, (HARVEY BARRACKS) GM **ETIN** A N49°44.58' E10°12.03' (32UNA8649710755) 689 UTC+1(+2DT) **VFR**
(B) **RWY-07** (2625x100 CON PCN 13 R/C/W/T) **RWY-25**
REMARKS - Unattended, Opr SR-SS. **RSTD** - PPR thru Giebelstadt Base OPS. **CAUTION** - Glfr act wkend and GM hol. **TFC PAT** - R/W N and S 1200', F/W N 1700'. **NS ABTMT** - SEE VFR ARR/DEP RTE EUR. **MISC** - All acft shall avoid ovft of town of Grosslangheim 1 NM E of afld on extn Rwy 25 cntrline. Armor and infantry trng area 600M N of apch end Rwy 25; Trap-skeet rng, midfield, 350M S of apch end Rwy 07, active ev Thu, 1500-2000Z++, Sat 0800-1600Z++, Sun 0900-1600Z++. Base OPS ctc Giebelstadt Base OPS for flt planning and PPR DSN 352-7323/7454 or C09334-87-7454, Fax DSN 352-7623 or C09334-87-7623. All acft ctc Giebelstadt Twr prior to ldg/tkof.
COMMUNICATIONS - **GIEBELSTADT DISPATCH** - 33.7 122.5
GIEBELSTADT TWR - (E) 31.8 129.85 142.05 309.75 **GIEBELSTADT METRO** - 140.3
NAVAIDS - **KITZINGEN VORW** - T 111.400 KTG (025/10) N49°44.75' E10°12.82' At Fld. 697/(A)1°00.0'W MP 4th working day ea month 0600-0800Z++. KTG VOR unuse 270°-020°

KIYIKISLACIK, TU **VORW-DME** - L 113.900 GML CH 86 N37°16.57' E27°33.07' 106° 5.6 NM to MILAS BODRUM. 164/3°40.2'E **H-15E, L-14H, -15A**

KJAERSTAD, (MOSJOEN KJAERSTAD) NO **ENMS** CIV N65°47.04' E13°12.89' 237 UTC+1(+2DT) **L-1C**
RWY-16 L1,5,38,48 (3015x98 ASP PCN 15 F/B/Y/U) L1,25,17,48 **RWY-34**
2818→ ←2818
SERVICE - **LGT** - APAPI 4.5°. APAPI use lim to 1.6NM fr thld Rwy 16. **FUEL** - Avbl 0430-2150Z++ Mon-Fri, 0430-1230Z++ Sat, 1120-2150Z++ Sun. (NC-100LL,A1)
REMARKS - Opr 0410-2150Z++ Mon-Fri, 0410-1250Z++ Sat, 1120-2150Z++ Sun.
CAUTION - Possible windshear at 1000' on apch or dep when wind SW-NW abv 15kt.
COMMUNICATIONS - **ATIS** - HO. 112.25 **MOSJOEN INFO** - (V) 123.4

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NAVAIDS - VARDEFJELL DVOR-DME - HA 112.250 VFL CH 59(Y) N65°52.76' E13°18.48' 201° 6.2 NM to Fld. 2092/(A)1°00.0'E Signal fluctuations btn 8-11NM on 22° and btn 6-8NM on 282° from VFL. **MOSJOEN TACAN** - HA MOS CH 86 (200/40) N65°52.66' E13°18.51' 201° 6.1 NM to Fld. 2105/(A)1°00.0'E

KJELLER, NO **ENKJ** MIL/CIV N59°58.16' E11°02.17' 354 UTC+1(+2DT) **H-2G, L-2F**
RWY-12 (5321x98 ASP) **RWY-30**
4607→ ←5089

SERVICE - FUEL - (NC-100LL avbl for Statoil key holders.)

REMARKS - Opr 0700-2200Z++ PPR for all aircraft. **RSTD** - PPR Diplomatic clnc req to COMAIRNORTH. Day VFR or IFR IMC dep only. **CAUTION** - Flt over atomic reactor, 1640' NE of arpt, is PROH. Mil test flying 0700-1400Z++ Mon-Fri. Birds.

COMMUNICATIONS - RDO - PPR 119.1 396.85

KJEVIK, (KRISTIANSAND KJEVIK) NO **ENCN** CIV N58°12.25' E8°05.12' 57
UTC+1(+2DT) **H-2G, L-2E**
RWY-04 L2,5,7,35,50 (6660x148 ASP PCN 40 F/B/X/T) L2,5,7,24,50 **RWY-22**
6266→ ←6037

SERVICE - LGT - PAPI Rwy 04 GS 3.4°, PAPI Rwy 22 GS 3.5° and is not coincidental with ILS Rwy 22 GS 3.6°. **FUEL** - Avbl 0500-2100Z++ Mon-Fri, 0500-1900Z++ Sat, 0900-2100Z++ Sun. (NC-100LL, A1) **FLUID** - De-Ice avbl O/R.

REMARKS - Opr 0500-2300Z++ Sun-Fri, 0520-2045Z++ Sat. **NS ABTMT** - See AP/2 Supplementary Arpt Info. **RWY** - Rwy 22 LDA 5938'.

COMMUNICATIONS - INFO - 124.475 **TWR** - Opr 0500-1900Z++ Mon-Fri, 0500-1700Z++ Sat, 0500-2000Z++ Sun. **(V)** 118.1 119.95 122.1X

NAVAIDS - VHF/UHF/DF

ILS/RADAR - ➔ **ILS** - BRG 037° LCZR CN 110.3 GS 3.4° LOM ODR 372. ➔ **ILS** - BRG 217° LCZR KJ 110.9 GS 3.6° LCTR BN 345. Autopilot not authorized inside 4NM of thld. LcZR not to be used outside 10° of LcZR front crs.

KLAGENFURT, (WORTHERSEE INTL) AU **LOXK/LOWK** MIL/CIV
N46°38.55' E14°20.26' 1470 UTC+1(+2DT) **H-4E-6J-7D, L-9D-10E**
RWY-10L L4,5,13,50 (8924x148 CON PCN 37 R/B/W/T) L2,4,5,9,10,50 **RWY-28R**
8268→
RWY-10R (2427x90 GRS AUW4) **RWY-28L**
2231→ ←2231

SERVICE - AOE LGT - PAPI Rwy 10 GS 3.5°. **FUEL** - Avbl 0430-1900Z++, OT PN. (NC-100LL, A1) **FLUID** - De-icing veh.

REMARKS - Opr 0500-2230Z++. **CAUTION** - Storks at afld, especially apch sctr Rwy 10. **NS ABTMT** - Land Rwy 28R, tkof Rwy 10L if practicable.

COMMUNICATIONS - ATIS - Opr 0445-2245Z++ 124.075 **APP** - Opr 0445-2245Z++ **(R)** **(V)** 126.825 **TWR** - Opr 0445-2245Z++ **(V)** 118.1

NAVAIDS - KLAGENFURT DVORW-DME - HA 113.100 KFT CH 78 (060/50) N46°35.85' E14°33.74' 285° 9.7 NM to Fld. 2279/(A)1°00.0'E (80/50 NW) VOR unrel 050°-080° 19-22 NM blw 11,500'. Use GRZ VOR 116.2. DVOR MP 1000-1200Z++ 2nd Tue. DME MP 1200-1400Z++ 4th Tue. **KLAGENFURT NDB** - MHW 405.000 KW N46°40.05' E14°13.10' 105° 5.2 NM to Fld. Unk/2°15.3'E **KLAGENFURT NDB** - MHW 374.000 KFT N46°37.51' E14°32.05' 276° 8.2 NM to Fld. 1509/2°19.4'E MP 0800-0930Z++ 3rd Thu.

ILS/RADAR - ➔ **ILS-DME** - BRG 285° LCZR OEK 110.1 CH 38 GS 3°

KLAIPEDA, LH **VORW-DME** - L 113.900 KLA CH 86 N55°42.94' E21°14.63'
82/(A)3°00.0'E **H-2H,5E, L-2G**

KLASDORF, GM **VORW-DME** - HA 115.150 KLF CH 98(Y) (060/50) N52°01.18'
E13°33.83' 233/(A)2°00.0'E **H-5D, L-5**

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KLEINE BROGEL, BE **EBBL** MIL N51°10.10' E5°28.20' 200 UTC+1(+2DT)

H-6H, L-5A
(B) **RWY-05L** L2,5,24,50 (10158x148 PEM PCN 109 F/A/W/T) L2,5,24,50 **RWY-23R**
9073→ ←9030
BAK-14 UNK(B) (971') BAK-14 UNK(B) (951')
RWY-05R (7874x75 PEM PCN 45 F/A/W/T) **RWY-23L**
←7850

SERVICE - AOE **LGT** - ABn coded BL. PAPI Rwy 05 GS 2.5°, PAPI Rwy 23 GS 2.75°. SFL Rwy 05L/23R unrel. **JASU** - 1(A1) 1(DSA300) **FUEL** - J8, 100LL **FLUID** - De-Ice PRESAIR LHOX LOX **OIL** - 0-148-156-160, SOAP

REMARKS - Opr 0730-1630Z++ Mon-Fri; clsd Sat, Sun and hol. **RSTD** - Acft larger than C-130 rqr 3 working days PPR; 6 working days PPR for acft over load classification nr (LCN) 45, state LCN on req. Practice apch proh. **CAUTION** - Not all twy avbl for use by transport and/or strategic transport acft. Adhere strictly to taxi instr. **NS ABTMT** - Ltd to one lo apch fr a practice GCA or TACAN apch. A go-around followed by a close in pat rstd to a missed apch with lo fuel. **RWY** - Rpt LDA for Rwy 05L is 7979', rpt LDA for Rwy 23R is 7959.

COMMUNICATIONS - **APP** - Opr HO. (R) (E) 122.5 337.975 362.3 243.4X

TWR - Opr HO. (V) 122.1 314.375 243.4 257.8 **TAXI** - Opr HO. (V) 122.1 278.925

NAVAIDS - **KLEINE BROGEL TACAN** - L BBL CH 33 (040/25) N51°10.22' E5°27.98' At Fld. 180/0°16.4'W (35 NW-W) **KLEINE BROGEL NDB** - MHW 431.000 ONT N51°12.80' E5°33.45' 231° 4.3 NM to Fld. Unk/0°14.8'W

ILS/RADAR - **ILS-DME** 23R ■ **RADAR** - GCA - Call GCA - (E) 123.3x 243.4x 282.2x 284.275x MP 0615-1015Z++ Tue. Opr HO.

KLEYATE, LE See RENE MOUAWAD

KLISA, HR See OSIJEK

KLOTEN, SZ **DVORW-DME** - L 114.850 KLO CH 95(Y) (050/25) N47°27.43' E8°32.73' At ZURICH. 1410/0°51.4'E **H-6I-7C, L-6G-9B**

KLOTZSCHE, GM See DRESDEN

KMIECIN, PL **VORW** - HA 116.800 KMI N54°12.08' E19°08.70' Unk/(A)3°12.1'E **H-8F-2H-5E, L-2G-21B**

KNOCK, EI See CONNAUGHT

KOBBE, NO **NDB** - MHW 283.000 KBV N69°30.31' E18°49.30' 005° 10.9 NM to LANGNES. Unk/6°08.7'E **L-1C**

KOBILJACA, BK **NDB** - MHW 357.500 KG N43°52.88' E18°10.62' 114° 7.5 NM to SARAJEVO. 1707/2°55.1'E **L-12F**

KOBLENZ WINNINGEN, GM **EDRK** CIV N50°19.53' E7°31.72' 640 UTC+1(+2DT) **L-6G**

(B) **RWY-06L** L43,55 (3855x66 ASP AUW12.5) L43,55 **RWY-24**
3264→

SERVICE - **LGT** - VASI Rwy 06-24 GS 5.5°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700Z++-SS+30/1900Z Mon-Fri; 0800Z++-SS+30/1900Z Sat, Sun and hol; OT PPR. **RSTD** - No acft dep when amber flg lgt at rwy hold posn on. PPR for acft AUW 12.5 to AUW 22. Rwy 24 TODA 3264'. **CAUTION** - Rwy 06 pwr line 5600' prior to thld 880' MSL. PJE and glldr act. **NS ABTMT** - Avoid ovft of Bisholder, Guis, Moselweiss, Karthause, Lay, Winnigen and Dieblisch. **CSTMS/IMG** - CSTMS avbl O/R 1 hr PN.

COMMUNICATIONS - **LANGEN INFO** - 123.525 **INFO** - 122.65 15NM 3000FT/GND

NAVAIDS - **VHF/DF**

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KOKKOLA PIETARSAARI, FI See KRUUNUPYY

KOKSIJDE, BE **EBFN** MIL N51°05.42' E2°39.17' 20 UTC+1(+2DT) **H-6G, L-4H**
RWY-11 L5,7 (8786x164 PEM PCN 22 F/C/W/T) L5,7,A **RWY-29**
7260→ ←8475
SERVICE - AOE **JASU** - 4(Macchi 37 KVA (208/120 VAC-28 VDC) 3 phase - 400 Hz)
3(Houchin 40 KVA (208/120 VAC-28 VDC) 3 phase-400 Hz) 4(Houchin 40 KVA (28 VDC))
2(Atlas COPCO) **FUEL** - J8 **FLUID** - De-Ice HPOX LHOX LOX **OIL** - 0-117-147-148-156
SOAP
REMARKS - Opr 0730-1630Z++ Mon-Fri, clsd Sat,Sun and hol. **RSTD** - PPR for F/W acft cat
4 or higher. **CAUTION** - Adhere strictly to taxi instr.
COMMUNICATIONS - **APP** - Opr HO. **(R) (E)** 122.5 235.05 362.3 243.4X **TWR** - Opr HO.
(E) 122.1 231.8 257.8 243.4X **TAXI** - Opr HO. **(V)** 122.1 308.775 **SAR** - Opr H24. Call
RESCUE 123.1 282.8X 2182 8364 3023 5680 (5680 Day) (3023 Ngt)
BELGA INFO - 129.325 373.55
NAVAIDS - **KOKSY DVORTACW** - HA 114.500 KOK CH 92 (080/50) N51°05.68' E2°39.10'
At Fld. 30/(A)2°00.0'W (100/50 SE) CH 92 not co-located, 51° 06.0' N 02° 39.3' E.
ILS/RADAR - **RADAR** - **(E)** PAR - Call GCA - 123.3 243.4 278.675x 338.275x Opr HO.

KOKSY, BE **DVORTACW** - HA 114.500 KOK CH 92 (080/50) N51°05.68' E2°39.10'
At KOKSIJDE. 30/(A)2°00.0'W (100/50 SE) CH 92 not co-located, 51° 06.0' N 02° 39.3' E.
H-6G, L-4H

KOLDING VAMDRUP, DA **EKVD** CIV N55°26.18' E9°19.86' 143 UTC+1(+2DT)
L-2E
(B) **RWY-01** L5,34,50 (3301x75 ASP PCN 17 F/B/X/T) L5,34,50 **RWY-19**
←3203
RWY-08 (2310x75 GRS) **RWY-26**
SERVICE - **LGT** - ABn opr when acft exp at ngt or in lo vis dur day. PAPI Rwy 01/19 MEHT
30'. **FUEL** - Avbl 0700-1600Z Mon-Fri; 0800-1500Z Sat, Sun and hol (0530-1700Z Mon-Fri;
0700-1600Z Sat, Sun and hol sum) (NC-100LL, A1)
REMARKS - Opr 0600-2100Z++. **RSTD** - 1hr PN req to OPS not later than 1hr before close
of AFIS hr. **CAUTION** - Stu trng flt and PJE act. **NS ABTMT** - Avoid ovft Hjarup,
Skanderup, and Vamdrup if possible. **CSTMS/IMG** - Avbl with 1hr PN to OPS not later
than 1hr before close of AFIS hr. **MISC** - Ldg fees.
COMMUNICATIONS - **SKRYDSTRUP APP** - **(R)** 127.475 276.0
VAMDRUP AFIS - 120.5 **REMARKS**: Opr 0700-1600Z Mon-Fri; 0800-1500Z Sat, Sun and hol
(0530-1700Z Mon-Fri; 0700-1600Z Sat, Sun and hol sum)

KOLN BONN, (COLOGNE OR WAHN) GM **EDDK** MIL/CIV N50°51.96' E7°08.56' 302
UTC+1(+2DT) **VFR, H-6H, L-5B**
(B) **RWY-06** L4,5,39,50 (8067x148 CON PCN 49 R/B/W/T) L2,4,5,9,39,50 **RWY-24**
RWY-14L L2,3,4,5,9,11,50 (12516x197 ASP PCN 75 F/B/W/T) L2,3,4,5,9,10,50 **RWY-32R**
RWY-14R L4,5,39,50 (6112x148 ASP PCN 17 F/B/W/T) L4,5,39,50 **RWY-32L**
SERVICE - AOE **LGT** - PAPI Rwy 14L MEHT 63', Rwy 32R MEHT 63', Rwy 24 MEHT 57', Rwy
32L MEHT 42'. **JASU** - 9(G-40) 3(GSU-160) 1(RST-180) **FUEL** - Avbl 0400-2400Z++, OT
O/R (NC- 100LL, A1) fone C(02203)-4001/4002. **FLUID** - LHOX **OIL** - O-123-133-148-156
TRAN ALERT - Mil tran acft prk area S of thld Rwy 06.
REMARKS - **RSTD** - Strictly 24 hr PPR Mon-Fri; 48 hr PPR Sat, Sun and hol. PPR also for
ISAF/Enduring Freedom flts. PPR only via AFTN (ETNKZPXZ) or fax C02203 9086737.
PPR-Nr must be incl in Item 18 of FPL. For flt to the mil part of Koln/Bonn, address FPL to
ETCCZQZX. Acft using Koln/Bonn mil site have to ctc Koln/Bonn mil addn on 312.1 or
136.25 15 min prior to ldg and pass ETA and POB on same freq. Gnd svc by GAF avbl
0600-1900Z++ Mon-Fri, OT O/R via fone C02203-908-3267. Ldg with armed acft proh. Use
of Rwy 24 for tkof and Rwy 06 for tkof and ldg by combat acft is only permitted if Rwy
14L-32R not avbl due to const or acft malfunction. Rwy 32L TODA 5226' due WIP.
CAUTION - Lgt pole aprx 55' AGL on S end of mil ramp. 278' crane 475' prior to Rwy 06
918' NW of extn rwy cntrl.

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COMMUNICATIONS - ATIS - 112.15 119.025 (122.1 Mil acft only) *REMARKS:* (112.15 KBO) **DIR - (R) (E)** 121.05 389.525 **TWR - (E)** 124.975 253.025 **GND** - 121.725
CLNC DEL - 121.85 **LANGEN RADAR - (R) (E)** 118.75 126.325 312.425 371.325
MIL - 136.25 254.65 Call 15 min prior to ldg is mand for acft using Koln/Bonn mil site.
LANGEN INFO - 129.875 **APRON** - 121.95

NAVAIDS - COLA DVORTACW - HA 108.800 COL CH 25 (040/25) N50°47.01' E7°35.65' 286° 17.9 NM to Fld. 990/(A)0°00.0'E (60/25 225°-315°) **KOLN/BONN VORW-DME** - L 112.150 KBO CH 58(Y) (060/20) N50°51.70' E7°08.73' At Fld. 311/(A)0°00.0'E ATIS bcst.
KOLN/BONN NDB/LOM - MHW 300.500 LW N50°53.90' E7°15.17' 246° 4.6 NM to Fld. Unk/0°19.5'E **KOLN/BONN NDB/LOM** - MHW 365.000 LJ N50°55.62' E7°03.74' 141° 4.8 NM to Fld. Unk/0°15.8'E **KOLN/BONN NDB/LOM** - MHW 327.000 LV N50°48.25' E7°14.41' 315° 5.2 NM to Fld. Unk/0°19.6'E **VHF/UHF/DF**

ILS/RADAR - ILS

KOLOCEP, HR NDB - HW 318.000 KLP N42°40.16' E18°01.25' 121° 12.7 NM to DUBROVNIK. 76/2°48.7'E **H-4F, L-12F**

KONIG, GM NDB - MHW 355.000 KNG N49°45.73' E9°05.50' Unk/0°56.2'E **H-6I, L-6H**

KONYA, TU LTAN MIL N37°58.74' E32°33.71' 3381 UTC+2(+3DT) **H-13A-16F, L-15B**
(B) **RWY-01** L25,11,50 (10990x148 ASP) L5,50 **RWY-19**
←NET BEFAB (164' OVRN) 500S(B) (1007') 500S(B) (1006') NET BEFAB (165' OVRN) →
SERVICE - JASU - 1(A-1) 7(A-3A) 2(A-3AE) **FUEL** - (N/C 115, J4) **FLUID** - LPOX LOX **OIL** - O-128-132-148 **TRAN ALERT** - Avbl.

REMARKS - Opr by NOTAM. **MISC** - NOTAMS avbl only at AOE listed in FCG.

COMMUNICATIONS - ATIS - 128.35 233.4 **APP - (E)** 122.1 362.3 **TWR** - 122.1 257.8 **GND** - 121.95 251.25

NAVAIDS - KONYA VORW-DME - T 111.200 KNY CH 49 N37°59.80' E32°33.87' 183° 1.1 NM to Fld. 3389/4°14.3'E **KONYA TACAN** - T KON CH 88 N37°59.93' E32°33.97' 186° 1.2 NM to Fld. 3390/4°14.3'E **KONYA NDB** - MHW 390.000 KNY N37°59.80' E32°33.87' 187° 1.1 NM to Fld. 3422/4°14.3'E
KNY VORW-DME unuse 280°-330° byd 15 NM blw 15000'

KOREAN VILLAGE FOB, (AR RUTBAH) IZ ORRW MC N33°01.08' E39°56.26' (37SES8757753680) 2500 UTC+3(+4DT) **H-13B, L-16G**

COMMUNICATIONS - KAY VEE TWR - 141.3 339.35

KORINTHOS, GR NDB - MHW 392.000 KOR N37°55.82' E22°56.15' Unk/3°11.0'E **H-15D, L-12H-14H, T-2E**

KORSA, DA VORW-DME - HA 112.800 KOR CH 75 (080/50) N55°26.36' E11°37.89' 136/(A)1°00.0'E **H-2G-5D, L-2F**

KORSO, FI NDB/LOM - MHW 322.000 KOR N60°22.33' E25°04.10' 224° 4.6 NM to HELSINKI VANTAA. Unk/7°12.8'E **L-1D**

KORTRIJK, BE NDB - MHW 371.000 OKT N50°49.44' E3°13.49' At WEVELGEM. 60/0°59.7'W (10NM-W) **H-6G, L-4H**

KOS, GR LGKO CIV N36°47.60' E27°05.50' 412 UTC+2(+3DT) **H-15E, L-14H-15A**
(B) **RWY-14** L6,12,50 (7841x148 ASP PCN 40 F/A/X/U) L6,9,50 **RWY-32**

SERVICE - LGT - ABn, green coded KOS. **FUEL** - (NC-100LL, A1)

REMARKS - Opr HO (H24 sum). **RSTD** - All landing acft should back track at end of rwy. Use min pwr for taxi. **CAUTION** - Bird haz, seagull concentration on rwy and vcnty of arpt. **CSTMS/IMG** - Avbl H24. **RWY** - Rwy 14 all ldg and tkof make rgt turns, Rwy 32 all ldg and tkof make lt turns.

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COMMUNICATIONS - ATIS - Opr 0600-2000Z 1 Apr-31 Oct. 126.95 **APP - (E)** 119.95
122.1 **IPPOKRATIS TWR - (E)** 121.05 122.1 257.8 **IPPOKRATIS RDO** - 5637 2989 (5637
Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - KOS VORW-DME - T 109.000 KOS CH 27 (250/40) N36°47.43' E27°05.47'
At Fld. 410/3°34.3'E **KOS NDB** - HW 311.000 KOS N36°47.72' E27°05.47' At Fld.
Unk/3°34.3'E

KOSICE, LO **LZKZ** MIL/CIV N48°39.78' E21°14.47' 755 UTC+1(+2DT) **H-4F, L-10G-22G**
RWY-01 L2,3,4,5,9,10,50 (10171x148 ASP PCN 55 F/C/W/T) L4,5,41,50 **RWY-19**

SERVICE - FUEL - (NC-A1, 100LL)

REMARKS - CAUTION - Terrain rises rapidly to the W and E of the arpt. **CSTMS/AG/IMG** -
CSTMS/IMG.

COMMUNICATIONS - APP - (R) (V) 119.85 133.75 129.575 129.583 **REMARKS:** (civ 119.85)
(mil 133.75 129.575 129.583) **TWR - (V)** 120.4 133.75 **REMARKS:** (civ 120.4) (mil 133.75)

NAVAIDS - KOSICE VORW-DME - HA 108.200 KSC CH 19 N48°40.99' E21°14.89' 190°
1.2 NM to Fld. 787/(A)3°00.0'E **KOSICE NDB/LOM** - MHW 425.000 KE N48°35.29'
E21°12.90' 010° 4.6 NM to Fld. Unk/3°55.9'E

ILS/RADAR - ➔ ILS - BRG 010° LCZR KE 109.5 GS 3.0° LOM KE 425

KOTRONI, GR **TACAN** - T KRN CH 101 (050/10) N38°08.32' E23°57.17' 755/3°19.8'E
H-15D, L-12H-14H, T-2F

KOZALA, HR **NDB/LOM** - MHW 438.000 KO N45°20.08' E14°26.81' 143° 8.8 NM
to RIJEKA. Unk/2°15.0'E **L-9D-10E**

KOZANI, GR See FILIPPOS

KRAKOW, PL See BALICE

KRALJEVO, YI **NDB** - HW 468.000 VTN N43°43.05' E20°48.62' Unk/3°22.2'E
H-4F, L-12G

KRAMFORS SOLLEFTEA, SW **ESNK** CIV N63°02.92' E17°46.13' 34
UTC+1(+2DT) **H-2G, L-1C**
RWY-17 L5,9,50 (6565x148 ASP PCN 30 F/B/X/T) L2,5,33,50 **RWY-35**

SERVICE - LGT - PAPI Rwys 17 and 35 GS 3.25°. **FUEL** - Avbl dur AFIS hr. (NC-100LL, A1)

REMARKS - MISC - Ldg fees, INCR charges outside AFIS opr hr.

COMMUNICATIONS - AFIS - (V) 122.15 **REMARKS:** Opr 0430-2050 Mon; 0430-0800Z++,
1315-2050Z++ Tue-Wed; 0430-2050Z++ Thu-Fri; 1530-1900Z++ Sun.

NAVAIDS - LUNDE NDB - HHW 427.000 LUE N62°52.81' E17°49.60' 348° 10.3 NM to Fld.
Unk/4°35.9'E

ILS/RADAR - ➔ ILS - BRG 348° LCZR NK 109.7 GS 3.25°. LCTR LUE 427 Rel only btn +/- 10°
➔ **LOC** - BRG 168° LCZR FK 109.3 LCTR KG 326

KRIM BELKACEM, AG See OUED IRARA

KRISTIANSAND/KJEVIK, NO See KJEVIK

KRISTIANSTAD, SW **ESMK** CIV N55°55.30' E14°05.13' 76 UTC+1(+2DT)
H-2G-5D, L-2F
RWY-01 L5,9,50 (7267x148 ASP PCN 45 F/B/X/T) L2,5,11,50 **RWY-19**

SERVICE - LGT - PAPI Rwy 02 GS 3.25° MEHT 58.5', PAPI Rwy 19 GS 3.25° MEHT 59'.

FUEL - Avbl dur TWR hr. (NC-100LL, A1)

REMARKS - RSTD - PPR for ops outside TWR opr hr. PPR for IFR school flt. **CSTMS/IMG** -
CSTMS avbl dur TWR hr. **MISC** - Ldg fees, INCR charges outside TWR opr hr. Rwy 01-19
grooved.

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COMMUNICATIONS - TWR - Opr 0445-2015Z++ Mon-Fri, 0730-0945Z++ Sat, 1400-2200Z++ Sun. (V) 129.35

NAVAIDS - KRISTIANSTAD NDB/LOM - HHW 363.000 OEM N55°59.39' E14°06.05' 187° 4.1 NM to Fld. Unk/2°30.6'E **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 185° LCZR MK 108.5 GS 3.25° LOM OEM 363

KRISTIANSUND/KVERNBERGET, NO See KVERNBERGET

KRK ISLAND, HR See RIJEKA

KRONOBERG, (VAXJO KRONOBERG) SW **ESMX** CIV N56°55.75' E14°43.68' 610

UTC+1(+2DT) **H-2G-5D, L-2F**

RWY-01 L5,12,50

(6900x148 ASP PCN 40 F/B/X/T)

L5,11,50 **RWY-19**

SERVICE - LGT - PAPI Rwy 01 MEHT 45.3', Rwy 19 MEHT 59.4 GS 2.86°. **FUEL** - Avbl dur Twr opr hr. (NC-100LL, A1)

REMARKS - RSTD - PPR for ops outside Twr opr hr, fone C+46 (0)470 75 85 30. **NS ABTMT** - When dep Rwy 19 rgt turn nml, start lt turn aft passing 4.5 DME. APU use in parking ltd to start-up or heat and rstd to 15 min before taxi. **CSTMS/IMG** - CSTMS O/R C+46 (0)8456 66 20. **MISC** - Ldg fees, increased charges outside Twr opr hr. Opr hr of Twr and svc may be reduced around hol by NOTAM.

COMMUNICATIONS - TWR - Opr 0500-2200Z++ Mon-Thu, 0500-1845Z++ Fri, 1315-2230Z++ Sun. (V) 118.15

NAVAIDS - VAXJO NDB - MHW 349.000 JX N56°59.77' E14°45.44' 191° 4.1 NM to Fld. Unk/2°47.4'E **VAXJO NDB** - MHW 329.000 VX N56°51.44' E14°41.86' 011° 4.4 NM to Fld. Unk/2°45.7'E

ILS/RADAR - ➔ **LOC** - BRG 010° LCZR SMX 109.1 LCTR VX 329. ➔ **ILS-DME** - BRG 190° LCZR MX 109.7 CH 34 GS 2.86° LCTR JX 349.

KRUMOVO, BU See PLOVDIV

KRUSA PADBORG, (PADBORG) DA **EKPB** CIV N54°52.22' E9°16.74' 88

UTC+1(+2DT) **L-2E**

RWY-05 L7

(3524x98 ASP PCN 8 F/B/Y/U)

L7 **RWY-23**

3340→

SERVICE - FUEL - Self svc only with Air BP Carne cards. (NC-100LL)

REMARKS - Opr H24 exc clsd Sat/Sun 0400-0800Z++. Clsd Dec 24-2 Jan. OT PPR, C+45 74 67 65 17 dur fone watch hr 0700-1530Z++ Mon-Thu, 0700-1300Z++ Fri. **CAUTION** - Prcht act. **MISC** - Self-svc.

COMMUNICATIONS - RDO - 122.075X by arng only. **SKRYDSTRUP APP** - (R) 127.475 276.0

KRUUNU, FI **NDB** - MHW 388.000 KRU N63°47.51' E23°10.43' 184° 4.3 NM to KRUUNUPYY. Unk/7°16.0'E **H-1D, L-1D**

KRUUNUPYY, (KOKKOLA PIETARSAARI) FI **EFKK** CIV N63°43.27' E23°08.59' 84

UTC+2(+3DT) **H-1D, L-1D**

RWY-01 L5,34,50

(8202x197 ASP PCN 65 F/A/W/T)

L5,33,50 **RWY-19**

RWY-11

(2297x66 ASP PCN 4 F/A/X/T)

RWY-29

SERVICE - FUEL - Avbl dur twr hr. (NC-100LL, A1) **FLUID** - De-Ice

REMARKS - Opr HO. **CSTMS/IMG** - Avbl, 1 hr PN 0600-1415Z Mon-Fri; OT 2 hr PN. **MISC** - Ldg fees. Class D Airspace eff twr hr, OT Class G.

COMMUNICATIONS - ATIS - Opr H24. 125.025 **TWR** - (V) 120.1 119.7

NAVAIDS - KRUUNU NDB - MHW 388.000 KRU N63°47.51' E23°10.43' 184° 4.3 NM to Fld. Unk/7°16.0'E **ESSE NDB** - MHW 398.000 ESS N63°38.21' E23°06.54' 003° 5.2 NM to Fld. Unk/7°11.9'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 184° LCZR KK 109.3 CH 30 GS 3°.

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KRZESINY, PL EPKS MIL N52°19.90' E16°57.99' 265 UTC+1(+2DT) **H-8F-5E, L-5E-21A**
RWY-07 (5850x185 PEM) RWY-25
RWY-12 L5,38,50 (8202x196 CON PCN 71 R/B/W/T) L2,5,33,50 RWY-30
COMMUNICATIONS - INFO - 128.5

KUCOVA, AL LAKV MIL N40°46.31' E19°54.11' 135 UTC+1(+2DT) **H-15D, L-12G**
RWY-14 L A,53 (9318x220 CON PCN 16 F/C/W/T) L53 RWY-32
9118→
SERVICE - FUEL - (NC-J4)
REMARKS - RSTD - PPR.
COMMUNICATIONS - TWR - 124.5

KUFRA, LY HLKF MIL/CIV N24°10.72' E23°18.84' 1367 UTC+2 **H-12G, L-20E**
(B) RWY-02L L7,A (12007x100 ASP) L7,A RWY-20R
RWY-02R L7,A,43 (12007x148 ASP 747) L7,A,43 RWY-20L
UNK (213' OVRN) UNK (214' OVRN)
COMMUNICATIONS - TWR - Provides APP svc. 121.9
NAVAIDS - KUFRA VORW-DME - HA 113.200 KFR CH 79 N24°09.20' E23°18.50' 011°
1.5 NM to Fld. 1367/(A)1°00.0'E **KUFRA NDB - HHW 317.000 KFR N24°14.15'**
E23°19.83' 193° 3.5 NM to Fld. Unk/2°12.2'E

KUHTAI, AU NDB/LOM - MHW 413.000 KTI N47°12.93' E11°01.67' 6726/1°30.0'E
H-6I-7C, L-9C

KUNGSANGEN, (NORRKOPING KUNGSANGEN) SW ESSP CIV
N58°35.18' E16°15.04' 32 UTC+1(+2DT) **H-2G, L-2F**
(B) RWY-09 L6,9,A,50,55 (7228x148 ASP PCN 55 F/B/X/T) L6,9,A,50,55 RWY-27
RWY-11 (1948x115 GRS) RWY-29
SERVICE - LGT - PAPI Rwy 09, 27 MEHT 55.8'. FUEL - (NC-100LL, A1)
REMARKS - Opr 0500-2130Z++ Mon-Fri; 0600-0700Z++, 1000-1430Z++ Sat; 1300-2100Z++ Sun, OT O/R. **RSTD - PPR** for clsd tfc and IFR tng 0530-1000Z++ Sat, Sun. **CAUTION -** Gldr and PJE act. **CSTMS/IMG -** Avbl 0400-1700Z++ Mon-Fri. **MISC -** Ldg fees, INCR charges outside opr hr. OPS fone C+46 (0)11 19 20 00. Flt Club fone C+46 (0)11 13 15 61 when aprt clsd. Opr hr may be reduced around hol by NOTAM.
COMMUNICATIONS - OSTGOTA APP - Opr 0455-2300Z++ Mon-Fri, 0530-2230Z++ Sat, 0530-2300Z++ Sun and hol. (R) 133.35 132.95 (AREA CON 132.95) (APP CON svc 133.35)
REMARKS: Freq extn of opr hr. **TWR - (R) (V) 120.35 123.3X**
NAVAIDS - VHF/DF
ILS/RADAR - ➡ ILS - BRG 268° LCZR SP 109.5 GS 3° LOM ON 324

KUNOVICE, EZ LKKU CIV N49°01.77' E17°26.38' 581 UTC+1(+2DT) **H-4E-6J, L-22E**
RWY-03L (4855x262 GRS) RWY-21R
RWY-03C L3,6,50 (6562x98 CON PCN 33 R/B/X/T) L3,6,38,50 RWY-21C
RWY-03R (5544x197 GRS) RWY-21L
SERVICE - FUEL - Avbl 0700-1500Z++ Mon-Fri (NC-A1, 100LL)
REMARKS - Opr 0600-1400Z++ Mon-Fri, OT 24 hr PN. **CSTMS/AG/IMG -** CSTMS, IMG avbl O/R 24 hr PN.
COMMUNICATIONS - TWR - (R) (V) 120.1 INFO - Opr outside twr opr hr. 120.1
RADAR - Opr HO. (R) 120.1
NAVAIDS - KUNOVICE NDB - MHW 434.000 KNE N49°02.79' E17°27.13' 206° 1.1 NM to Fld. Unk/3°07.1'E Opr 0500-1330Z++ Mon-Fri. **KUNOVICE NDB -** MHW 416.000 KUN N49°06.84' E17°30.08' 206° 5.6 NM to Fld. Unk/3°08.0'E Opr 0500-1330Z++ Mon-Fri.
ILS/RADAR - ■ RADAR - SSR - Call RADAR 120.1 Opr HO.

KUOPIO, FI EFKU CIV N63°00.43' E27°47.87' 323 UTC+2(+3DT) **H-1D, L-1D**
RWY-06 (4921x148 ASP) RWY-24
RWY-15 L5,38,50 (9186x197 ASP PCN 45 F/A/W/T) L5,33,50 RWY-33
←NET UNK (22' OVRN) HOOK UNK(B) (3087') NET UNK (195' OVRN) →

AIRPORT/FACILITY DIRECTORY B-241

SERVICE - FUEL - Avbl 0400-2000Z++ dly, OT 1 hr PN. (NC-100LL, A1) **FLUID** - De-Ice
REMARKS - Opr HO. **RSTD** - Rwy 06-24 clsd UFN. **CSTMS/IMG** - CSTMS avbl HO, 1.5 hr
PN btn 0600-1415Z++ Mon-Fri; IMG avbl HO. **MISC** - Ldg fees.
COMMUNICATIONS - **ATIS** - Opr H24. 113.0 **APP** - (R) (V) 130.6 119.7 **TWR** - Opr H24.
(V) 120.15 119.7
NAVAIDS - **VEHKAA DVORW-DME** - HA 113.000 VEH CH 77 N62°58.79' E27°48.83' 338°
1.7 NM to Fld. 481/(A)7°00.0'E **KURKI NDB** - MHW 310.000 KUR N62°55.35' E27°52.68'
328° 5.5 NM to Fld. Unk/9°07.2'E **VHF/DF**
ILS/RADAR - ➔ **ILS-DME** - BRG 329° LCZR KU 110.3 CH 40 GS 3° ■ **RADAR** - ASR - Call
RADAR - 119.7 122.85X 130.6 PAR - Call PRECISION 119.7 128.7 Opr by arng.

KURESSAARE, EN **EEKE** CIV N58°13.79' E22°30.57' 14 UTC+2(+3DT) **H-2H, L-2G**
RWY-05 (2621x98 ASP) **RWY-23**
RWY-17 L5,38,50 (4980x98 ASP) L5,50 **RWY-35**
SERVICE - FUEL - Opr 0500-1700Z++ Mon, Wed, Thu, Fri; 0600-1600Z++ Tue;
0600-1500Z++ Sat; 0600-1700Z++ Sun. (NC-100LL, A1) **FLUID** - De-Ice
REMARKS - Opr 0600-1500Z++ Mon-Fri; OT O/R C+372 45 33790. **CSTMS/IMG** - Avbl
0600-2000Z++ dly. **MISC** - Class D Airspace eff twr hr, OT Class G.
COMMUNICATIONS - **TWR** - Opr HO. 118.05
NAVAIDS - **KURESSAARE VORW-DME** - HA 112.400 KRS CH 71 N58°13.70' E22°30.92'
At Fld. 39/(A)3°00.0'E **KURESSAARE NDB** - HW 350.000 WA N58°16.24' E22°30.53' 174°
2.5 NM to Fld. Unk/5°46.3'E **VHF/DF**

KURKI, FI **NDB** - MHW 310.000 KUR N62°55.35' E27°52.68' 328° 5.5 NM to KUOPIO.
Unk/9°07.2'E **L-1D**

KUTAHYA, TU **LTBN** MIL N39°25.60' E30°01.01' 3026 UTC+2(+3DT) **L-15A**
(B) **RWY-16L9** (4950x132 ASP) **RWY-34**
REMARKS - Opr by NOTAM.
COMMUNICATIONS - **TWR** - (E) 122.1 257.8 **GND** - 251.25
NAVAIDS - **KUTAHYA TACAN** - T KUT CH 46 N39°25.80' E30°00.78' At Fld. 3072/4°10.6'E
Opr by NOTAM.

KUUSAMO, FI **EFKS** CIV N65°59.25' E29°14.36' 866 UTC+2(+3DT) **H-1D, L-1D**
RWY-12 L5,30,50 (8202x148 ASP PCN 60 F/A/W/T) L5,38,50 **RWY-30**
8071→
SERVICE - FUEL - (NC-100LL, A1) **FLUID** - De-Ice avbl O/R.
REMARKS - Opr HO. **CSTMS/IMG** - CSTMS avbl PPR, IMG avbl HO. **MISC** - Ldg fees.
COMMUNICATIONS - **ATIS** - Opr H24. 114.4 **AFIS** - (V) 118.65 119.7
NAVAIDS - **KANTOLA DVORW-DME** - HA 114.400 KLA CH 91 N65°59.50' E29°14.15'
At Fld. 923/(A)9°00.0'E **VHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 123° LCZR KS 110.3 GS 3° LOM KS 340

KUWAIT ACC, KU **OKAC** (CIV) **CENTER/RADAR** - (R)(V) 125.3 132.1 **CTA** - FIS (V)
125.3 **A/G** - **VOICE RDO** - All HF freq SSB. 2992 5658 5667 8918 10018 13288 13312
H-13C, L-18E

KUWAIT INTL, KU **OKBK** MIL/CIV N29°13.59' E47°58.14' 206 UTC+3 **H-13C, L-18E**
(B) **RWY-15L** L2,3,4,5,10,50 (11483x148 ASP PCN 63 F/A/W/T) L2,3,4,5,10,50 **RWY-33R**
RWY-15R L2,3,4,5,10,50 (11155x148 CON PCN 70 R/B/W/T) L2,3,4,5,10,50 **RWY-33L**
SERVICE - AOE **FUEL** - A1 (Aero Control Ltd. Kuwait Aviation
C965-433-0507)(NC-100LL-prior arng rqr). **FLUID** - LH0XR
REMARKS - **TFC PAT** - Rwy 15R and 33R rgt hand tfc. Rwy 15L and 33L left hand tfc. **NS**
ABTMT - Non-noise certificated subsonic airplane (NNC) OPS rstd dly btn 1830-0530Z.
COMMUNICATIONS - **ATIS** - 126.225 **APP** - (R) (V) 121.3 124.8 **TWR** - (V) 118.3
GND - (V) 121.7 121.9

B-242 AIRPORT/FACILITY DIRECTORY

NAVAIDS - KUWAIT DVORW-DME - HA 115.500 KUA CH 102 N29°13.10' E47°58.05'

At Fld. 188/(A)2°00.0'E **UHF/DF**

ILS/RADAR - ILS-DME - SEE TERMINAL FLIP FOR ILS-DME 15L, 33R AND 33L DATA. ➡

ILS-DME - BRG 152° LCZR IKIB 111.3 CH 50 GS 3° ■ **RADAR** - RADAR - Call APP/Director
- 121.3

KUWAIT NAVAL BASE, (CAMP PATRIOT) KU **OKNB** MIL N28°51.87' E48°16.37'

(39RTM3397496031) 30 UTC+3 **H-13C, L-18E**
L28,34,50 Pad 1 (160x120 CON)

L28,34,50

REMARKS - RSTD - 24hr PPR, CH-53 and VIP req 48 hr PPR. Ctc 595th TRANSCOM CJLOC Base OPS, DSN (318) 839-1113/1119/1128/1131 or COM (965) 786-3142. Ltd fac avbl. Land LZ Osprey W of KNB for pax pickup and dropoff. LZ Eagle E side of KNB for VIP 0-7 and abv. Close flt plan with Base OPS. Recessed tie-down points avbl on pad. **CAUTION** - Sterile veh pkg N, S, and E of pad. Pad surrounded by 10' chain link fence. Veh access avbl. **TFC PAT** - App from S. Dep to N. Use W tfc. Do not overfly KNB or Base Mosque lctd N28°51.92' E48°16.91'. Avoid overflying ships in port. **MISC** - Wx fcst info avbl H24 from Udairi Wx, DSN (318) 828-1317, COM (965) 720-6960. Use Udairi RDO for flt following in Kuwait and S Iraq. OKNB identifier is not for FPL purposes, this is a DINS ident only.

COMMUNICATIONS - CTAF - 86.2 **UDAIRI RDO** - 137.775 140.375 251.3 280.625

MOHALAB APP - 128.3 302.0 **REMARKS:** (HF ALE UDAIRI) **KUWAIT APP** - 121.3 124.8 253.2

KVALSUND, NO **NDB** - MHW 362.000 KV N69°48.69' E19°00.18' 187° 7.9 NM
to LANGNES. Unk/6°18.4'E **L-1C**

KVERNBERGET, (KRISTIANSUND KVERNBERGET) NO **ENKB** CIV

N63°06.71' E7°49.47' 204 UTC+1(+2DT) **H-2F, L-1C**

RWY-07 L5,41,50 (6037x148 ASP PCN 40 F/A/X/U)

L5,34,50,55 **RWY-25**
←5774

SERVICE - LGT - PAPI Rwy 25 apv area cntr on a line 10° S of extn RCL. Cir guidance lgt to Rwy 25. **FUEL** - Avbl 0500-2030Z++ Mon-Fri, 0600-1630Z++ Sat, 1000-2030Z++ Sun. (NC 100LL, A1)

REMARKS - Opr 0520-2240Z++ Mon-Fri, 0520-1300Z++ Sat, 1040-2240Z++ Sun.

COMMUNICATIONS - TWR - 0520-2240Z++ Mon-Fri, 0620-1700Z++ Sat, 1000-2240Z++ Sun. (E) 118.3 121.2 257.8

NAVAIDS - KVERNBERGET DVORW-DME - HA 113.800 KVB CH 85 N63°07.09' E7°48.63'

At Fld. 684/(A)2°00.0'W **VHF/UHF/DF**

ILS/RADAR - ➡ **ILS** - BRG 073° LCZR KB 110.1 GS 3° LOM BRS 371 LCTR KB 275. OM unuse UFN.

KYRITZ, GM **EDBK** CIV N52°55.13' E12°25.52' 130 UTC+1(+2DT) **L-5D**

(B) **RWY-14** L6,50 (3281x75 ASP)

L6,50 **RWY-32**

RWY-14R (3281x98 GRS)

RWY-32L

SERVICE - LGT - PAPI Rwy 14-32 GS 3.5°. **FUEL** - (NC 100LL, A1)

REMARKS - Opr 0800Z-SS+30 (0700-1700Z sum); OT O/R.

COMMUNICATIONS - BERLIN INFO - 132.65 251.375 North **INFO** - 122.725

LAAGE, (ROSTOCK LAAGE AIRPORT) GM **ETNL** MIL/CIV N53°55.09' E12°16.70' 138

UTC+1(+2DT) **H-5D, L-2F**

(B) **RWY-10** L2,5,24,50 (8202x148 CON PCN 66 R/A/W/U)

L2,5,24,50 **RWY-28**

HOOK 44B-2D(B) (17' OVRN) HOOK 44B-2D(B) (966')

HOOK 44B-2D(B) (966') HOOK 44B-2D(B) (17' OVRN)

SERVICE - A-GEAR - HOOK 44B-2D(B) (966') both directions O/R 10 min. Net barrier Rwy 10/28 not avbl. **FUEL** - J8 (NC-100LL A1) **OIL** - O-148-155-156

REMARKS - Opr 0700-1600Z++ Mon-Thu; 0700-1100Z++ Fri, PPR 24 hr; clsd hol. (Civ 0700-2000Z++ Mon-Fri, 0900-1700Z++ Sat and Sun, OT PPR). **RSTD** - PPR 24 hr due to ltd cross svc. **MISC** - Class D Airspace, OT Class E. Fone 038459-62-2323 WOC, Ftr Wg 73.

COMMUNICATIONS - BERLIN RADAR - (R) (E) 126.175 363.575 **TWR - (E)** 118.425 122.1 143.925X 257.8 336.4 **RADAR - (R) (E)** 123.3 133.625 139.75X 142.0X 268.4 344.0 358.65 385.4 368.85X **BERLIN INFO** - 132.65 251.375 North

AIRPORT/FACILITY DIRECTORY B-243

NAVAIDS - LAAGE TACAN - HA LAG CH 19(Y) (080/50) N53°55.19' E12°17.18' At Fld.
190/(A)0°00.0'E

ILS/RADAR - ➔ILS-DME - BRG 097° LCZR I-LAE 108.55 DME LAG CH 19(Y) GS 3°. ➔**ILS-DME**
- BRG 277° LCZR I-LAW 108.3 DME LAG CH 19(Y) GS 3°.

LAANILA, FI **NDB/LOM** - MHW 350.000 LAA N64°57.98' E25°12.67' 121° 4.3 NM
to OULU. Unk/8°32.7'E **L-1D**

LAAYOUNE, WI **VORW-DME** - HA 112.100 LAY CH 58 N27°08.57' W13°13.08'
At HASSAN I. 223/(A)6°00.0'W **H-11A, L-13A-19A**

LAAYOUNE HASSAN I, WI See HASSAN I

LABE, GV **GULB CIV** N11°19.56' W12°17.21' 3396 UTC 0 **L-19A**
RWY-06 (6562x148 ASP) **RWY-24**

REMARKS - Opr 0730-1800Z. **CAUTION** - WIP. Rwy 06 clsd only for ldg. **CSTMS/IMG** -
Avbl. **MISC** - All unsked flt must pay cash for enrt fees prior to dep.

COMMUNICATIONS - TWR - Opr SR-SS. 118.7 **INFO** - 6589

NAVAIDS - LABE NDB - MHW 340.000 LB N11°19.56' W12°17.21' At Fld. Unk/7°24.9'W
Opr SR-SS.

LABRAQ, LY See EL BEIDA

LA CALDERERA, SP **LELA PVT** N38°44.87' W3°30.87' 2644 UTC+1(+2DT) **L-11B**
RWY-07 (4830x77 ASP) **RWY-25**

LA Cerdana, SP **LECD CIV** N42°23.18' E1°52.00' 3586 UTC+1(+2DT) **L-11C**
RWY-07 (3773x75 ASP) **RWY-25**

SERVICE - FUEL - (NC-100LL)

COMMUNICATIONS - TWR - 123.5

LA CHATRE, FR **VORW** - HA 112.100 LCA (080/50) N46°41.49' E2°08.97'
882/(A)3°0.0'W (100/50 SE-SW) **H-7B, L-8G**

LA CORUNA, SP **DVORW-DME** - HA 115.100 LRA CH 98 N43°23.77' W8°18.41' 209°
6.4 NM to A CORUNA. 415/4°7.0'W 315°-090° sgl distortions at 4000' and btn 3 and 5NM
fr stn. **NDB** - HW 401.000 COA N43°21.92' W8°19.70' 210° 4.4 NM to A CORUNA.
Unk/4°4.0'W
LRA VOR unuse 213°
055°-105°

H-3A, L-11A

LAESO, DA **EKLS CIV** N57°16.63' E11°00.00' 25 UTC+1(+2DT) **L-2E**
(B) **RWY-07** L1,55 (3045x75 ASP AUW12.5) L1,55 **RWY-25**

SERVICE - LGT - Rwy lgt activation-123.175MHz.

REMARKS - Opr SR-SS. OT PPR submitted btn 0700-1500Z++ Mon-Thu, 0700-1200Z++ Fri.
CSTMS/IMG - Avbl 0700-1430Z++ Mon-Wed, 0700-1630Z++ Thu, 0700-1200Z++ Fri, 1 hr
PN rqr.

COMMUNICATIONS - RDO - Opr by PN only. 123.5 **COPPENHAGEN INFO** - 124.975

LA GARENNE, FR **LFBA CIV** N44°10.48' E0°35.43' 204 UTC+1(+2DT)
H-7A-15A, L-8F-11C

RWY-11 L5,9,50 (7103x98 ASP PCN 23 F/C/W/T) L5,9,13,50 **RWY-29**
6562→ ←5791

SERVICE - LGT - PAPI Rwy 29 GS 3.3°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0515-2100Z++ Mon-Fri; 1600-2100Z++ Sun and hol. OT PPR 24hr.
CSTMS/IMG - Avbl, PPR 48 hr.

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COMMUNICATIONS - Opr 0500-2130Z++ Mon-Fri; 0530-1100Z++, 1300-1730Z++ Sat; 0800-1100Z++, 1300-1730Z++ Sun and hol; OT PPR. **ATIS** - 129.6
TOULOUSE APP - Opr H-24 (R) 121.175 129.3 123.85 124.975
BLAGNAC APP - Opr H-24 (R) 121.1 **AGEN TWR** - 121.3 **REMARKS:** Opr 0500-2100Z++ Mon-Fri; 0530-1100Z++, 1300-1830Z++ Sat; 0800-1100Z++, 1300-1830Z++ Sun and hol. OT PPR 24 hr.

NAVAIDS - **VHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 294° LCZR AG 110.35 GS 3.3° LCTR AG 400

LA GOMERA, SP **GCGM** CIV N28°01.78' W17°12.88' 718 UTC 0(+1DT) **L-13A**
RWY-09 L5,50 (4921x98 ASP PCN 55 F/C/W/U) L5,50 **RWY-27**

REMARKS - Opr 0800-1800Z++, 0805-1800Z 28 Dec - 24 Jan. **RSTD** - NORDO proh. VFR only.

COMMUNICATIONS - **TWR** - (V) 118.4 **GND** - 121.7
NAVAIDS - **LA GOMERA VORW-DME** - T 116.000 LGM CH 107 N28°01.72' W17°12.89'
At Fld. 741/6°53.4'W
LGM VOR unuse
30°-70° fr 40NM blw 12,000
70°-80° fr 40NM blw 9,500
80°-90° fr 40NM blw 7,000
90°-220° fr 40NM blw 6,500
220°-250° fr 40NM blw 7,000
250°-290° fr 40NM blw 6,000

LAHITTE, FR **VORW** - HA 111.800 TAN (040/25) N43°28.00' W0°01.11' 180° 17.3 NM to LOURDES. 964/(A)2°0.0'W (60/25 SE-SW) **H-7A, L-11C**

LAHR, GM **EDTL** CIV N48°22.16' E7°49.66' 511 UTC+1(+2DT) **H-6H, L-6G**
(B) **RWY-03** L2,5,35,50 (9842x148 ASP PCN 100 F/D/W/T) L2,5,9,39,50 **RWY-21**

SERVICE - **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0700-1900Z++ Mon-Fri; 0800-1700Z++ Sat, Sun and hol. PPR btn 0500-0700Z++ and 1900-2300Z++ Mon-Fri; PPR btn 0500-0800Z++ and 1700-2300Z++ Sat, Sun and hol. **RSTD** - Rwy 21 thld displ 4921'. TORA/TODA/LDA Rwy 03-21 4921' til 03 Sep 04. Full len PPR via C(7821)994-200. PPR for IFR trng and VFR ngt flt. Fone C(07821)994-0. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/IMG** - Avbl O/R 2 hr PN. **MISC** - Class D Airspace eff 0700-1900Z++ Mon-Fri, 0800-1700Z++ Sat, Sun, hol.

COMMUNICATIONS - **STRASSBOURG RADAR** - 119.45 **TWR** - 125.175 25NM to 4000 ft AGL. **LANGEN INFO** - 128.95 **INFO** - 125.175 25NM 4000 ft AGL.

NAVAIDS - **LAHR DME** - T LRD CH 17(Y) (025/10) N48°21.85' E7°49.65' At Fld. 556/0°37.6'E **LAHR NDB** - MHW 337.000 LHR N48°20.92' E7°48.67' 028° 1.4 NM to Fld. Unk/0°37.4'E **VHF/DF**
LHR NDB unrel 045°-165° byd 17 NM

ILS/RADAR - ➔ **ILS-DME** - BRG 208° LCZR I-LRW 109.7 CH17(Y) GS 3°. DME (108.05) not paired with lczr. Unuse in area 20°-35° SE of RCL. No auto coupled apch or ldg.

LAHTI VESIVEHMAA, FI **EFLA** PVT N61°08.65' E25°41.61' 502 UTC+2(+3DT)
L-1D
RWY-07 L50,55 (3937x98 ASP) L50,55 **RWY-25**
3084→
RWY-12 (1640x75 GVL) **RWY-30**
RWY-18 (1804x75 COM) **RWY-36**

SERVICE - **LGT** - PAPI Rwy 25 GS 3.5°.
REMARKS - Opr HX. **CAUTION** - Gldr act with acft tows and winch launches to 2700' AGL.
COMMUNICATIONS - **ATIS** - Opr Wx only. 122.425 **RDO** - 123.4

L'AIGLE, FR **VORW** - HA 115.000 LGL N48°47.44' E0°31.82' 971/(A)3°0.0'W **H-6F, L-7C**

LA IGLESUELA, SP See EL TIETAR

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LAJES, (AIR BASE NR 4) PO Azores I **LPLA** MIL (AF) N38°45.71' W27°05.45' 180
UTC-1(0 DT) **H-1A, L-1C**

(B) **RWY-15** 12.5,12.50 (10870x197 ASP PCN 74 F/C/W/T) L25,11,50 **RWY-33**
←HOOK E5 (60' OVRN) BAK-12A(B) (1386') BAK-12A(B) (1445') HOOK E5 (60' OVRN) →

SERVICE - AOE **LGT** - PAPI Rwy 15 MEHT 58.6', PAPI Rwy 33 GS lctd rgt of rwy 3.2° MEHT 57.7'. **A-Gear** - Dur ftr ops only, dep end BAK-12 and E-5 rigged. A-G avbl 30 min ntc for all others. **JASU** - (A/M32A-86) 6(AM32A-60) 2(AM32-95) **FUEL** - J8 **FLUID** - JOAP SP PRESAIR LHOX LOX. Liquid nitrogen unavbl. Aircrew must plan to arr with adequate supply to reach next destn. **OIL** - O-128-133-148-156 **TRAN ALERT** - Avbl H24. Unit support augmentation rqr for large scale movements/exer.

REMARKS - RSTD - Host country enforces strict compliance with FCG. Ensure req/ntc are properly addressed. Trans acft with security rqr must be pre-coord with AM OPS and security police prior to arr. Specify rqr by msg 96 hr prior to arr. Address msg to 65 OSS Lajes Fld PO//OSAA//, 65 SFS Lajes Fld PO//SPOS// and 729 AMS Lajes Fld PO//AMCC. Host nation limitations may preclude meeting sys security std. Acft with VIP code 7 or abv ctc Comd Post thru LAJES Global not later than 1 hr prior to ETA. Ltd COMSEC avbl thru AMC Comd Post. All practice apch rqr prior apvl of host country. Due to flow ctrl rstd, aircrews are rqr to file outbd FPL 3+00 hr prior to est off block time. All acft carrying haz cargo in or out of Lajes must coord with AM OPS 72 hr prior to ETA. Afld max haz cargo 30K lb of 1.1 NEW. 180° turns on Rwy 15/33 not authorized. PPR for all US DoD acft. Call DSN 535-5101 (alt DSN 535-4238) 72 hr prior to arr. **CAUTION** - Hi terrain parallel to rwy 2.75 NM W to 1925'. Hi terrain parallel to rwy 0.25 NM E to 503'. Winds are extremely hi dur Oct-May. Expect lo level windshear and large hdg corrections on final apch. **STRONG CROSSWIND POSSIBLE** is incl in the fcst when cond are favorable for development of haz crosswinds. This rmk should alert aircrews to closely mnt LAJES Wx while enrt. If possible, consider maintaining fuel reserves to reach altn destn outside of the Azores wx pat. Rwy not vis dur portions of downwind leg on cir apch. Rwy not grooved. Ctc twr before turning off active rwy. Twy drct in front of large hgr at NE end of ramp has only 105' clnc fr cntrline. All acft use ctn for unctl vehicle tfc on apns bordering Twy Papa. Rwy 15/33 is 300' wide mrk at 200'. Rwy edge lgt, dist remaining markers and rwy exit signs are in place for a 300' wide rwy. **NS ABTMT** - Jet acft tkof fr Rwy 15 are to apply max climb rate poss. The use of afterburner sys shall be reduced to a min. **CSTMS/AG/IMG** - Acft rqr support must contact Afld Management OPS at DSN 535-4106 at least 24 hr prior to arrival. Failure to comply may result in delays. Host nation IMG Svcs normally responds within 30 min. **MISC** - USAF is tenant agcy; ICAO pro in effect. All DoD aircrews must ctc PMSV 284.425 prior to commencing apch or dep to obtain USAF wx warnings/watches/advsy which are not provided by ATIS or ATC. Host nation wx obsv and fcst is used by ATC and rptd IAW ICAO rules under LPLA ident. USAF wx fcst/obsn avbl under KQLE ident. In the event wx briefings are unavbl fr the Lajes wx flt, contact 21 OWS at DSN 314-496-6145/6146 or C49-6302-67-6145/6146. Vis determination fr offl obsn pt is obscured fr N thru E thru SE. Dur BWC MODERATE and SEVERE, aircrews should comply with owning MAJCOM/unit guidance. AMC aircrews must adhere to the rstd in the AMC Summary of Afld Rstd. AM OPS DSN 312-535-4106/5115, fax DSN 312-535-2229, C011-351-295-57-XXXX. Comd Post DSN 312-535-4200, C011-351-295-57-4200.

COMMUNICATIONS - PTD - 308.775 **ATIS** - 120.3 234.8 **APP** - (R) (E) 135.0 362.3 Ltd coverage fr 180° CW to 310° blw 7000' byd 15NM. **TWR** - (E) 122.1 257.8 **GND** - 121.9 233.975 **VMC ADVSY SVC** - Acft rqr to ctc APP prior to entering Class C airspace. **PMSV METRO** - 284.425 **AG** - See Global HF Systems in FIH. **AMC COMD POST** - 130.65 349.4

NAVAIDS - LAJES VORW - HA 112.300 LM N38°47.04' W27°06.26' 168° 1.5 NM to Fld. 255/(A)14°00.0'W MP 0800-1000Z++ Wed. **TERMINAL TACAN** - T TRM CH 109 N38°45.62' W27°05.56' At Fld. 172/(A)14°00.0'W MP 0300-0700Z++ Fri. **LAJES TACAN** - HA LAJ CH 45 N38°42.80' W27°06.93' 036° 3.1 NM to Fld. 1785/(A)14°00.0'W MP 0900-1200Z++ Mon. **LAJES NDB** - HHW 341.000 GP N38°46.99' W27°06.79' 141° 1.7 NM to Fld. 32/10°47.0'W MP 1000-1200Z++ Wed. LM VOR unuse 215°-240° byd 35 NM blw 9000' 241°-275° byd 20 NM all alt 270°-315° within 40 NM blw 7000' 040°-050° byd 10 NM blw 3500' 050°-150° byd 10 NM blw 8000' 160°-180° byd 10 NM blw 4000' 180°-310° all alt and dist LAJ TACAN unuse TRM TACAN unuse

ILS/RADAR - ILS - MP 0800-1200Z++ Tue and Thu. Rwy 33 lczr unuse byd 30° left of crs. **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA. ASR MP 0400-0700Z++ Mon-Thu.

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LAKENHEATH, UK **EGUL** AF N52°24.56' E0°33.66' 32 UTC 0(+1DT) **H-6F, L-4G**
(B) **RWY-06** L5,9,24,50 (9000x150 PEM PCN 83 R/B/W/T) L5,9,24,50 **RWY-24**
←HOOK E5 (95' OVRN) BAK-12A(B) (1200') BAK-12A(B) (2500')
BAK-12A(B) (2500') BAK-12A(B) (1200') HOOK E5 (95' OVRN) →

SERVICE - AOE **LGT** - ABn, red coded LK. O/R SS-SR. PAPI and ILS RPI Rwy 06 not coincident. PAPI Rwy 06 GS 2.5°. PAPI and PAR RPI Rwy 24 not coincident. **A-GEAR** - E5 cable in place dep end. Dur tkof and ldg both 2500' BAK-12 and dep end BAK-12 rigged for no ntc engagements. **JASU** - 1(MA-1A) 1(M32A-60A) 1(MD-3) 1(A/M32-86) **FUEL** - A1+ **FLUID** - De-Ice LPOX LOX **OIL** - O-148 **TRAN ALERT** - Svc avbl 0700-2200Z++ Mon-Thu; 0700-1800Z++ Fri; exp 2-4 hr svc dly. Fleet svc avbl 24 hr PN, ctc DSN 238-2296.

REMARKS - Opr 0600-2200Z++ Mon-Thu; 0600-1800Z++ Fri; clsd Sat-Sun, UK and US hol. **RSTD** - PPR req, ctc AMOPS DSN 226-4186/2349 C44-1638-52-4186/2349. Fax 2316. Acft executing lo apch, touch and go, go around or missed apch dur VMC shall maint 1000' or blw til passing dep end of rwy. **CAUTION** - Two jet arpt tfc pat overlap. Portion of N Twy not vis fr twr. Few edge lgt on prk areas. Veh driving lanes adj S twy tfc. Acft security gates on S twy and N acft shelter loop are 83' wide, 15' tall. Use taxi lgt max bright for ngt opr. All aircrews ctc APP CON for status of EGD208 (Stanford trng area). Acft ldg Rwy 06 with wingspan greater than 140' must back taxi for prk on Twy W and Twy H due to wing tip obst btn Twy H and Twy P. Bird haz May-Sep. **TFC PAT** - VFR overhead 1500. Use ctn when arr VFR to Rwy 06 due to close proximity and similar hdg of Rwy 11 at Mildenhall. **NS ABTMT** - Mand quiet hr 2300-0600Z++ Mon-Thu, 1800Z++ Fri-0600Z++ Mon. Tran acft arr/dep Sat, Sun, UK and US hol btn 0900-1800Z++. All other arr/dep dur quiet hr rqr 48 FW/CC apvl. Full stop ldg only dur quiet hr or H24 on Sat, Sun and US and UK hol. Avoid ovft of towns W and NE of afld. Aftburner max climb rqr 48 OG/CC apvl. No acft or gnd maint ops to be conducted dur mand quiet hr. Acft rqr hldg dur publ quiet hr exp LIBERTY or GROWLER fix at hi alt. **MISC** - Fst 1000' Rwy 24 and fst 500' Rwy 06 conc, middle 7500' porous friction sfc. No jet run up or 180° turns on porous friction sfc. All four eng acft shutdown/downspeed outboard eng on twy. VIP/PAX/CARGO acft ctc PTD, 20 min out if chg to prior coord. All arr/dep file IFR FPL. RSRs applied, if unable advs ATC. Wx obsn dur publ opr hr, vis determined at 30' AGL. Stor of classified material is not avbl at afld management, ctc Comd Post DSN 226-4800/ C441638-52-4800. Obsn site limitations at the prim obsn site incl ltd visual ref byd 5000M. Rwy 06 apch is blkd by twr. Ltd gnd handling eqpt coml PAX acft, EGUN 3NM SW has full coml PAX handling capability. Due to Fire Dept auth vehicles, B2, 747, C5 acft at perm sev risk cat. Parking spots 5A-5E tow on/off only.

COMMUNICATIONS - **PTD** - 244.475 Lakenheath Dispatcher **ATIS** - 356.725

APP - (R) 136.5 309.2 **CAC LONDON MIL** - (R) 277.775 **REMARKS**: Mil acft cros MATZ or ldg at LAKENHEATH ctc LONDON MIL 277.775 or LAKENHEATH RADAR 242.05 5 min or 20 NM before MATZ bdry; civ acft tran svc avbl 0600-2359Z++ Mon-Fri exc US hol.

TWR - (E) 122.1X 338.925 **GND** - 375.45 **DEP** - (R) 250.3 **RADAR** - 128.9 242.05

COMD POST - 379.8 **REMARKS**: HAVE QUICK timing avbl. VIP acft ctc COMD POST 20 min prior to ETA. **PMSV METRO** - 284.425 **REMARKS**: METRO-Remote briefing svc avbl H24 Mon-Thu, 0000-2000Z++ Fri, 0800-1900Z++ Sat-Sun. For PMSV (284.425) and RSB ctc 21 OWS DSN 496-6145/6146 or C011-49-06302-67-6145/6146.

NAVAIDS - **LAKENHEATH TACAN** - T LKH CH 39 (060/25) N52°24.39' E0°32.88' At Fld. 911(A)2°00.0'W 118° 9.2 NM to Honington. 32/2.00'W MP 0700-0900Z++ Tue. LKH TACAN unuse

057°-207° byd 35 NM blw 2000'
287°-327° byd 30 NM blw 7000'
287°-327° byd 10 NM blw 2000'
327°-057° byd 35 NM blw 1500'
287°-327° byd 20 NM blw 4000'

ILS/RADAR - **ILS** - MP 0700-0900Z++ Mon, Wed Fri. GS critical area not protected Rwy 06/24. **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

LAKSELV/BANAK, NO See BANAK

LALBENQUE, FR **LFCC** CIV N44°21.08' E1°28.52' 912 UTC+1(+2DT) **L-8F-11C**
RWY-13 L7,9,50 (4921x98 ASP PCN 32 F/B/W/T) L7 **RWY-31**

SERVICE - **LGT** - PAPI Rwy 13 GS 2.8°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1100Z++, 1300-1700Z++ Mon-Fri. **RSTD** - NORDO proh.

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COMMUNICATIONS - CAHORS INFO - 119.225

LALIBELLA, ET **HALL** CIV N11°58.50' E38°58.80' 6506 UTC+3 **L-20G**
RWY-10 L6,A,50 (7990x175 ASP PCN 50 F/D/X/T) **L6 RWY-28**
REMARKS - Opr 0500-1500Z.
NAVAIDS - **LALIBELLA NDB** - HW 390.000 LLB N11°58.68' E38°59.01' At Fld.
Unk/1°57.9'E Opr 0500-1500Z.

LAMBOURNE, UK **VORW-DME** - HA 115.600 LAM CH 103 (040/50) N51°38.77'
E0°09.10' 200/(A)3°00.0'W (40/50;110/50 in sctr 322°-142°) **H-6F, L-4G**,

LAMERD, IR **OISR** CIV (CIVIL AVIATION ORGANIZATION) N27°22.36' E53°11.33' 1337
UTC+3:30 **H-13C, L-18F**
RWY-11 (10020x148 ASP PCN 35 F/D/X/T) **RWY-29**
REMARKS - Opr SR-SS. **CAUTION** - Animal and bird haz.
COMMUNICATIONS - **INFO** - 122.65 121.7
NAVAIDS - **LAMERD NDB** - HHW 346.000 LAM N27°22.03' E53°11.71' At Fld.
1345/2°06.2'E

LAMEZIA TERME, IT **LICA** CIV N38°54.32' E16°14.54' 39 UTC+1(+2DT)
H-15C, L-12F
RWY-10 L4,5,50 (7920x148 ASP PCN 58 F/B/W/T) **L4,5,33,50 RWY-28**
7572→ ←-7569
SERVICE - AOE **LGT** - PAPI Rwy 10, 28 MEHT 52'. **FUEL** - (NC-100LL, A1) (A1 avbl
0600-2200Z++, OT O/R 8 hr PN C+39-0968-51697)
REMARKS - **RSTD** - Twy J/H max wing span 118'. **MISC** - Prev Rwy 10L/28R is twy only; no
tkof/ldg.
COMMUNICATIONS - **APP** - (V) 118.8 122.1 **TWR** - (V) 119.7 122.1 257.8
NAVAIDS - **LAMEZIA TERME TVORW-DME** - L 112.500 LMT CH 72 (025/10) N38°54.17'
E16°15.90' 276° 1.1 NM to Fld. 45/2°18.2'E
ILS/RADAR - **ILS** . ILS GP Rwy 28 coverage reduced to 8 NM.

LAMIA, GR **LG--/LG53** MIL N38°52.47' E22°26.10' 38 UTC+2(+3DT) **L-12G**
RWY-13 (3412x82 ASP) **RWY-31**

LA MOLE, FR **LFTZ** CIV N43°12.33' E6°28.92' 59 UTC+1(+2DT) **L-11D**
RWY-06 (3871x98 ASP S39 T55 ST70) **L50 RWY-24**
3412→ ←-3543
SERVICE - **LGT** - PAPI Rwy 24 GS 4° MEHT 20'. **FUEL** - (NC-100LL, A1)
REMARKS - Opr SR-SS. Arpt clsd 09 Feb to 13 Mar. Open with 3 hr PPR, fone
C04.94.54.76.40. **RSTD** - No acft movement before 0600Z++. **CSTMS/AG/IMG** - Avbl
O/R 24 hr PN.
COMMUNICATIONS - **AFIS INFO** - 0900-1200Z++, 1300-1700Z++ Nov-Mar,
0730-1800Z++ Apr-Oct. 118.125

LA MORGAL, SP **LEMAR** PVT N43°25.75' W5°49.83' 541 UTC+1(+2DT) **L-11B**
RWY-10 (3281x98 ASP) **RWY-28**
SERVICE - **FUEL** - (NC-100LL, A1)
REMARKS - Opr HX. **RSTD** - VFR only.

LAMOTHE, FR **LFDH** CIV N43°41.27' E0°36.10' 411 UTC+1(+2DT) **L-11C**
RWY-01 L1,5,50 (4921x98 ASP PCN 23 F/B/W/T) **L1,5,9,50 RWY-19**
SERVICE - **LGT** - PAPI Rwy 19 GS 3.1°. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0900-1100Z++, 1300-1600Z++ Mon-Fri exc hol. OT PPR. **RSTD** - NORDO
proh.

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COMMUNICATIONS - PYRENEES APP - Opr H24. (R) 121.175 AUCH INFO - 123.0

LAMPEDUSA, IT LICD CIV N35°29.87' E12°37.08' 70 UTC+1(+2DT) **H-10E-15C, L-14F**
(B) **RWY-08** L4,7,9,50 (5906x148 ASP PCN 39 F/B/W/T) L4,7,9,12,50 **RWY-26**

SERVICE - LGT - PAPI Rwy 08/26 MEHT 52'. **FUEL** - Avbl 0400-2000Z++ Mon-Fri, 0400-2200Z++ Sat, Sun; OT 3 hr PN C+39 3357817649. (NC-A1)

REMARKS - Opr 0800Z++-SS, OT by NOTAM. **RSTD** - Btn 0600-0900Z++ due to ship's aerial, Rwy 08 ldg proh; Rwy 26 tkof with caution, allowed only after pilot evaluation of acft and obst characteristics. No flt opr with gnd vis less than 1804'. No tkof with vis less than 2625' due to lack of sec'd pwr. **CAUTION** - Green vert laser emission to FL65 (N35°31' E12°38'), rad 3 mi. Wng not to look dir at source. Act abv FL65 by NOTAM. Seagull haz on rwy. PAPI wng: Strictly flw PAPI slope and RCL due to obst both rwy. Anemometer 75' before Rwy 26, 374' lt RCL, 33' AGL.

COMMUNICATIONS - INFO - (V) 122.1 123.5 257.8X (257.8 O/R FPL)

NAVAIDS - LAMPEDUSA VORW-DME - HA 108.600 LPD CH 23 (025/10) N35°29.98' E12°37.86' At Fld. 59/(A)0°00.0'E **LAMPEDUSA NDB** - HW 373.000 LPD N35°30.03' E12°36.95' At Fld. Unk/1°33.7'E MP 0700-1000Z++ 1st Tue. NDB on test UFN. **VHF/DF**
LPD VOR/DME MRA 25 NM 10,000'
LPD VOR/DME MRA 40 NM 180°-340° 7000'
340°-180° 3000'
LPD NDB MRA 50 NM 000°-360° 2000'

LANDIVISIAU, FR LFRJ MIL N48°31.82' W4°09.10' 348 UTC+1(+2DT) **H-3C, L-7A**
RWY-08 L5,9,50,51,53 (8858x148 CON) L5,9,24,50,51,53 **RWY-26**
S125 T148 ST175 TT277)

HOOK CHAG (689') HOOK BAK-12A (787') HOOK BAK-12A (787') HOOK CHAG (689')

SERVICE - LGT - PAPI Rwy 08-26 GS 2.5°. OLS Rwy 08-26 GS 2.75° associated with FCLP. **FUEL** - A1. 24 hr PN rqr for 100LL. **FLUID** - LOX HPOX LHNIT De-Ice **OIL** - O-133-155-156

REMARKS - Opr 0700-1600Z++ Mon-Fri, OT O/R before 1500Z++; Sat, Sun and hol O/R before 1500Z++ prev working day. **RSTD** - PPR 48hr PN to LFRJZPZX. Ovft proh blw 1000' AGL. **CSTMS/IMG** - CSTMS avbl with 24 hr PN.

COMMUNICATIONS - ATIS - 142.225 **LANDI APP - (R)** 122.4 339.3
LANDI TWR - 119.2 119.7 294.6 257.8

NAVAIDS - LANDIVISIAU TACAN - HA LDV CH 98(Y) (100/50) N48°31.70' W4°09.38' At Fld. 364/(A)6°00.0'W (200/50 225°-315°) **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 256° LCZR LD 108.5 CH 22 GS 2.5° ■ **RADAR** - ASR-Call RADAR - 120.9 338.425 PAR-Call FINAL 118.8 375.475. Rwy 08 Radar loss of ctc at 1.5 NM. Rwy 26 Radar loss of ctc at 1 NM.

LANDS END, UK **VORW-DME** - HA 114.200 LND CH 89 (200/50) N50°08.18' W5°38.22' 106° 15.0 NM to CULDROSE. 058° 30.7 NM to ST MAWGAN. 800/(A)5°00.0'W (300/70 235°-010°) **H-3C, L-4E**

LANDSBERG LECH, (PENZING) GM **ETSA** MIL N48°04.23' E10°54.36' 2044
UTC+1(+2DT) **VFR, H-6I, L-6H**

(B) **RWY-07** L2,5,24,50 (6777x98 CON) L2,5,24,50 **RWY-25**

SERVICE - AOE LGT - Abn flg W/green. **JASU** - 1(GPE-160) **FUEL** - No hot reful. J8 **FLUID** - De-Ice LHOX **OIL** - O-133-147-149-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. Fone C08191-9152 extn 2368, 2367, 2366. **RSTD** - PPR. Trng flt of tran acft are proh fr 1100-1300Z++. Avoid ovft of town of Landsberg. Ocnl copter tfc when CTLZ not active. PPR for practice apch. No pratice apch for HIRTA sensitive acft. **CAUTION** - Copter use ctn when apch Rwy 07, W twy frequently occupied by Transall acft. **MISC** - No cross svcg avbl. Rwy shoulders unuse. Prk N of main twy. PPR prk. All acft ctc Wg OPS on freq 142.85 MHz 20 min prior to ldg.

COMMUNICATIONS - MUNCHEN CON - (R) (E) 129.45 259.0 **TWR - (E)** 122.1 138.4 257.8 315.7 **RADAR - (R) (E)** 123.3 130.5 138.2X 278.9 309.2 344.0 385.4 294.7X 296.75X **WING OPS** - 142.85

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NAVAIDS - LANDSBERG TACAN - HA LAB CH 58(Y) (040/30) N48°03.92' E10°52.85' 072°
1.1 NM to Fld. 2077/1°27.7'E **LANDSBERG NDB/LOM** - MHW 448.000 LQ N48°05.69'
E11°01.13' 251° 4.8 NM to Fld. Unk/1°29.9'E
ILS/RADAR - ILS

LANDSKRONA, (ENOCH THULINS) SW **ESML** CIV N55°56.67' E12°52.17' 194
UTC+1(+2DT) **L-2F**
RWY-12L (3445x295 GRS) **RWY-30R**
RWY-12R L1,7 (3871x98 ASP) **L1,7 RWY-30L**
3527→ ←3674
SERVICE - LGT - ACTIVATE rwy lgt by trans 30 sec on 123.525. Rwy lgt not avbl
2000-0600Z++. **FUEL** - (NC-100LL)
REMARKS - RSTD - PPR 2000-0600Z++. Fone C0418-750 10. **CAUTION** - Gldr act. Unmto
veh use rwy.
COMMUNICATIONS - RDO - Opr HO 123.525

LANDSTUHL AHP, GM **ETIP** A N49°24.18' E7°32.17' (32ULV9379673294) 1167
UTC+1(+2DT) **VFR, L-6G**
(100x100 CON UH60)
SERVICE - LGT - Bdry lgt avbl. **FUEL** - J8 For medical evac acft only. PPR all other acft.
REMARKS - RSTD - PPR all acft exc medical evac. Req PPR 0630-1400Z++ Mon-Fri, at fone
ETS 486-7800/8331. Ctc Ramstein TWR prior to entering ctl zone. All medical evac with
patients call 15 min prior to ldg. All acft overflying or ldg ctc Landstuhl advsy.
CAUTION - Twr to 160' AGL 600' SW, large parabolic dish ant 110' AGL 750' SW. Twr 100'
AGL 0.5 NM NE. Lgt 18 inches hi bordering rwy and twy haz to gnd taxiing acft. Unlgt'd
p-lines 120' hi 1 NM N in vcnty of autobahn. Copter tfc btn Landstuhl-West INT and
Landstuhl Hosp AHP Uh-60s prk on N side close to ldg pad. Use extreme ctn when
conducting ngt opr in ldg pad/area. No afld lgt dur NVG opr. **TFC PAT** - N, 1700'. NVG
1500'. **NS ABTMT** - Acft must use VFR ARR/DEP RTE EUR. No ovft of hosp (American and
German SE of city of Landstuhl), cities of Landstuhl and Kindsbach, Landstuhl hsg area and
frng rng 0.25 NM S of heliport.
COMMUNICATIONS - § ADVSY SVC - 30.6 30.75 138.6 290.45

LANDSTUHL HOSPITAL AHP, GM **ETIY** A N49°24.15' E7°33.51'
(32ULV9541773197) 1170 UTC+1(+2DT) **VFR**
(50x50 ASP UH60)
SERVICE - LGT - Lgt on 4 corners of pad.
REMARKS - RSTD - Heli-pad clsd to all acft other than medical evac and O7 and above. All
other acft will land at Landstuhl AHP. Acft will notify LANDSTUHL ADVISORY, 15 min prior
to ldg with patient info. Acft will not shut down. If addn gnd time rqr reposition to
Landstuhl AHP. Ctc LANDSTUHL ADVISORY prior to dep. **CAUTION** - Unlgt'd p-lines 120'
hi 1.0 NM N in vcnty of autobahn. Copter tfc btn Landstuhl-West INT and Landstuhl Hosp
AHP use extreme ctn. **TFC PAT** - 1800'. **NS ABTMT** - Acft must use VFR ARR/DEP RTE
EUR. No ovft of hosp (American and German SE of city of Landstuhl), cities of Landstuhl
and Kindsbach, Landstuhl hsg area, and frng rng 0.25 NM S of heliport.
COMMUNICATIONS - ADVSY SVC - 30.6 30.75 138.6 290.45

LANDVETTER, (GOTEBORG LANDVETTER) SW **ESGG** CIV N57°39.77' E12°16.79'
506 UTC+1(+2DT) **H-2G, L-2F**
RWY-03 L3,4,5,10,50 (10823x148 ASP PCN 90 F/B/X/T) L3,4,5,10,50 **RWY-21**
SERVICE - AOE FUEL - A1(Air BP/GFC fone C+46-3194-1182)
REMARKS - MISC - If ldg Rwy 03, unless otherwise dct, do not CLR rwy via Twy D. No APU
run before 5 min fr est Push Back time.
COMMUNICATIONS - ATIS - 118.375 114.6 **GOTEBORG APP - (R) (V)** 124.675 123.1
123.3X 124.2D (SAR 123.1) **TWR - (R) (V)** 118.6 123.1 (SAR 123.1) **GND** - 121.9 121.6
(CLNC DEL/Start-up/Taxi - 121.9) (Push Back-Call Apron - 121.6)
NAVAIDS - LANDVETTER VORW-DME - HA 114.600 LAV CH 93 (100/50) N57°39.37'
E12°17.39' At Fld. 574/(A)1°00.0'E ATIS bcst. **VHF/UHF/DF**

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ILS/RADAR - ➔ILS - BRG 025° LCZR SGG 110.3 GS 3° LOM SL 342. If radio altimeter autocoupled, exp hypersensitivity in pitch. **➔ILS** - BRG 205° LCZR NGG 108.5 GS 3° LOM NL 369. If radio altimeter autocoupled, exp hypersensitivity in pitch.

LANES, NO **NDB** - MHW 268.000 TM N69°43.13' E18°56.55' 187° 2.2 NM to LANGNES.
Unk/6°15.3'E **L-1C**

LANGEN ACC/FIS, GM (CIV) **RADAR/CON - (E) ACC** - (362.3 grd) (119.2 125.05 340.425 apch EDTY EDDS) 119.4 (0445-2130Z++ director EDDL)(121.05 389.525 director EDDK) 124.375 124.425 124.475 125.2 125.4 125.675 127.05 127.625 127.725 127.925 129.175 131.3 135.65 130.975x 134.2x 135.725 136.625x 275.3 278.45 279.05 285.1 297.9 363.65 375.1 378.825 379.9 398.65 399.55x (124.9 258.9 apch EDGS) (124.725 264.8 apch EDFQ)(125.225 342.025 apch EDLW, EDLD) (125.6 375.7apch EDFH) (129.3 387.825 apch EDDG) (118.75 126.325 312.425 371.325 apch EDDK) (127.5 279.5 apch EDFM) (128.5 337.85 apch EDLN, EDLV, ETNG, ETNN) (128.55 133.775 275.8 372.825 apch/dep EDDL) (387.0 0445-2145Z++ Mil procedures) (135.35 344.55 0600-2100Z++ Mon-Fri) (129.675 256.675 apch EDDR, EDRZ) 131.3 (0600-2100Z++) (ADRU - 363.1) **INFO - (E)** 119.15 (SR-30-S+30) 359.3 (FIS + initial call cl C airspace around EDDF 40 NM/FL100) 123.525 (FIS cl C airspace W+N+E around EDDF gnd-FL100) 128.95 (FIS cl C airspace S + E around EDDF gnd-FL100) 129.875 (SR-30-S+30)(cl C airspace incl term FIS Dusseldorf AIRMET and SIGMET) **MONITOR** - 281.175 (EDR 205) 373.625 (EDR 203) **VHF/UHF/DF**
H-6H, L-5B, C, 6G, H

LANGENESET, NO **NDB** - MHW 339.000 LS N61°24.68' E5°53.22' Unk/1°06.6'W
L-1B

LANGHOLT, IC **NDB** - MHW 344.000 LA N65°34.60' W19°29.30' Unk/16°27.1'W
H-1A, L-1A

LANGNES, (TROMSO) NO **ENTC** CIV N69°41.00' E18°55.14' 31 UTC+1(+2DT)
H-1C, L-1C
RWY-01 L25,23,50 (7848x148 ASP PCN 45 F/C/X/T) L25,23,50 **RWY-19**
←6562

SERVICE - LGT - PAPI both rwy GS 3° and are not coincidental with either ILS GS. PAPI Rwy 01 unuse byd 10 NM fr thld. PAPI Rwy 19 use rstd to max 3.8 NM fr thld. **FUEL** - O/R to Twr. (NC-100LL, A1)

REMARKS - CAUTION - Unlgt'd obst sur arpt. Windshear/eddies may occur on short final Rwy's 01 and 19. Wind 200°-270° abv 20 Kt. **CSTMS/IMG** - Avbl O/R 1.5 hr to twr, fone C77 68 4425. **MISC** - 24hr PPR for non sked tfc exc SAR, via email anne.wiggen@avinor.no, fone C47-7764-8628, or fax C47-7764-8481.

COMMUNICATIONS - ATIS - Opr 0700-2100Z++ 126.125 **APP** - Opr 0630-2100Z++ Mon-Sat, 1130-2100Z++ Sun. **(R)** 123.75 **TWR - (R) (V)** 118.3

NAVAIDS - TROMSO DVORW-DME - HA 113.800 TRO CH 85 N69°42.17' E18°59.81' 231° 2.0 NM to Fld. 545/(A)3°00.0'E **LANES NDB** - MHW 268.000 TM N69°43.13' E18°56.55' 187° 2.2 NM to Fld. Unk/6°15.3'E **KVALSUND NDB** - MHW 362.000 KV N69°48.69' E19°00.18' 187° 7.9 NM to Fld. Unk/6°18.4'E **KOBBE NDB** - MHW 283.000 KBV N69°30.31' E18°49.30' 005° 10.9 NM to Fld. Unk/6°08.7'E **VHF/DF**

ILS/RADAR - ILS-DME - 01, 19.

LANN BIHOUE, FR **LFRH** MIL N47°45.63' W3°26.40' 160 UTC+1(+2DT) **H-3B, L-7A**
RWY-02 L7 (5479x148 CON S46 T62 ST79 TT131) L7 **RWY-20**
500S(B) (2739')
RWY-07 L5,9,50,51 (7884x148 CON PCN 42 R/C/W/T) L5,11,50,51 **RWY-25**
←7317
500S(B) (820') 500S(B) (820')

SERVICE - LGT - Rwy 07 REIL O/S. PAPI Rwy 25 O/S. **FUEL** - Avbl H24 (NC-100LL, A1).
FLUID - LOX HPOX **OIL** - O-117-133-156

REMARKS - Opr 0700-1600Z++ Mon-Fri exc hol. O/R prior to 1400Z++ prev bus day for Sat, Sun and hol. **RSTD** - 72hr PPR to LANN BIHOUE Chamber of Commerce. Ovft proh blw 1000'. NORDO proh. **CAUTION** - RVR O/S. **CSTMS/IMG** - Avbl O/R before 1500Z++ prev bus day.

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COMMUNICATIONS - ATIS - 129.125 **LORIENT APP - (R) (U)** 123.0 122.3 119.7 122.1 339.875 362.3 **LORIENT TWR** - 122.7 119.7 386.725 **GND** - 119.7 387.6

NAVAIDS - LORIENT TACAN - HA LOR CH 105 (060/25) N47°45.69' W3°26.47' At Fld. 141/2°56.0'W (250/25 195°-255°) **LORIENT NDB** - MHW 359.000 LOR N47°45.79' W3°26.44' At Fld. 161/2°56.3'W test **VHF/UHF/DF**

ILS/RADAR - ILS ■ RADAR - ASR - Call LORIENT RADAR - 119.8 122.3 308.8 362.3 PAR Call LORIENT FINAL 119.8.

LANNION, FR LFRO CIV N48°45.26' W3°28.30' 290 UTC+1(+2DT) **H-3C, L-7A**
RWY-11 L1,5,50 (5577x148 ASP PCN 29 F/C/W/T) L1,5,9 **RWY-29**
4823→ ←4987

SERVICE - LGT - PAPI Rwy 11 MEHT 52', PCL O/R prior 1500Z by fax, fone C02 96 05 82 10. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0500-2100Z++ Mon-Fri; 0800-1100Z++, 1300-1800Z++ Sat; 0800-1100Z++, 1300-2030Z++ Sun, hol. OT O/R before 1400Z++ prev workday. Fone C02.96.05.82.02. **RSTD** - NORDO proh. **CAUTION** - PJE and ultralgt acft act.

CSTMS/IMG - CSTMS avbl PN prev day before 1500Z++. Fone C02.96.48.45.32. **MISC** - Class G airspace outside opr hrs.

COMMUNICATIONS - TWR - 118.4

NAVAIDS - LANNION NDB - MHW 345.000 LN N48°43.16' W3°18.47' 288° 6.8 NM to Fld. 297/3°1.0'W **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 291° LCZR LN 110.35 CH 40(Y) GS 3°.

LANVEOC, FR TACAN - HA BST CH 94 (040/25) N48°17.08' W4°27.13' At POULMIC. 286/3°23.2'W **NDB** - MHW 428.000 BST N48°17.02' W4°25.93' At POULMIC. Unk/3°22.7'W **H-3C, L-7A**

LANZA DI TRABIE, IT See CATANIA FONTANAROSSA

LANZAROTE, SP GCRR MIL/CIV N28°56.73' W13°36.31' 47 UTC 0(+1DT)
H-11B, L-13A
RWY-03 L2,4,5,9,38,50 (7874x148 ASP PCN 50 F/C/W/T) L4,5,9,38,50 **RWY-21**
UNK (56')

SERVICE - LGT - PAPI Rwy 21 GS 3.7°. **FUEL** - (NC-100LL, A1, J8)

REMARKS - Opr 0700-2400Z++, 1 hr PPR, 1 hr before A/D clsd. **CSTMS/IMG** - Avbl. **RWY** - Fst 2000' Rwy 03 wt brg cap PCN 31 F/C/W/T.

COMMUNICATIONS - ATIS - 118.625 **CANARIAS APP** - 129.3 **TWR - (E)** 120.7 124.0 257.8 **GND** - 121.8

NAVAIDS - LANZAROTE DVORW-DME - HA 113.700 LTE CH 84 N28°56.51' W13°36.99'

At Fld. 121/(A)7°00.0'W **LANZAROTE DVORW-DME** - HA 115.200 LZR CH 99 N29°09.96' W13°30.64' 208° 14.1 NM to Fld. 1768/(A)7°0.0'W O/S til 31 May 06 est.

LANZAROTE TACAN - T TLZ CH 94 N28°56.69' W13°36.42' At Fld. 26/5°28.3'W

LANZAROTE NDB - HW 310.000 LZ N28°57.32' W13°36.72' At Fld. Unk/5°28.4'W

VHF/DF

LTE VOR unuse

315° all alt

320°-360° all alt

ILS/RADAR - ➔ **ILS-DME** - BRG 033° LCZR IRR 109.1 CH 28 GS 3°

LA PALMA, SP GCLA CIV N28°37.59' W17°45.34' 107 UTC 0(+1DT) **H-11B, L-13A**
(B) **RWY-01** L5,9,34,50 (7218x148 ASP PCN 84 F/A/W/T) L5,9,50 **RWY-19**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0800-2130Z++ **RSTD** - 2 hr PPR 20 min before afld clsd. **CAUTION** - Bird haz. Windshear haz dur westerly winds. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - INFO - 118.6 **CANARIAS APP** - 126.1 **TWR - (E)** 118.9 257.8 **GND** - 121.8

NAVAIDS - LA PALMA DME - T BV CH 71 N28°36.10' W17°45.40' 002° 1.5 NM to Fld. 184/7°04.1'W **LA PALMA NDB** - HW 389.000 BX N28°36.10' W17°45.41' 010° 1.5 NM to Fld. Unk/7°04.1'W

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LA PERDIZ, SP **LEIZ** CIV N38°30.79' W3°21.86' 2902 UTC+1(+2DT) **L-11B**

RWY-10

(5015x75 ASP)

RWY-28

←4523

LAPPEENRANTA, FI **EFLP** CIV N61°02.67' E28°08.66' 349 UTC+2(+3DT)

H-2H, L-1D

RWY-06 L5,11,50

(8202x197 ASP PCN 120 F/A/W/T)

L5,38,50 **RWY-24**

SERVICE - LGT - Rwy 24 apch lgt end 197' prior to thld. PAPI Rwy 24 GS 3.5°. **FUEL** - (NC-100LL, A1) 100LL avbl O/R 3 hr PN, A1 avbl O/R 1 hr PN. **FLUID** - De-Ice O/R.

REMARKS - Opr HO. **CSTMS/IMG** - CSTMS opr 0600-1415Z++ Mon-Fri (0600-1315Z Jul-Aug), OT HO. Fone C020-492 5046. **IMG** opr HO. Fone C020-410 2370. **MISC** - Ldg fees. Class D Airspace eff twr hrs, OT Class G.

COMMUNICATIONS - ATIS - Opr H24. 112.5 **TWR - (V)** 119.7 120.2

NAVAIDS - VILMAS DVORW-DME - HA 112.500 VIL CH 72 N61°02.34' E28°07.08' At Fld. 363/(A)7°00.0'E **RANTA NDB** - MHW 392.000 RAN N61°01.11' E28°00.94' 067° 4.1 NM to Fld. Unk/8°33.2'E **VHF/DF**

ILS/RADAR - ➔ ILS BRG 059° LCZR LP 109.9 GS 3° LCTR RAN 392

LA PRAZ, SZ **DME** - HA LAP CH 43(Y) N46°40.57' E6°24.80' 4244/0°18.4'E (70/50

195°-255°) **H-7B, L-9A**

L AQUILA PRETURO, IT **LIAP** PVT N42°22.79' E13°18.55' 2210 UTC+1(+2DT)

L-12F

RWY-18

4485→

(4623x85 ASP PCN 23 F/D/Y/T)

RWY-36

←4193

REMARKS - Opr SR-30 - SS+30. **RSTD** - First and third midfld twys aft Rwy 36 clsd.

CAUTION - Pwr line 1476' N of Rwy 18. Road tfc 361' S Rwy 36.

COMMUNICATIONS - RDO - 122.5

LAR, IR **OISL** CIV N27°40.48' E54°23.00' 2641 UTC+3:30(+4:30DT) **H-13D, L-18G**

RWY-09

(10334x148 ASP PCN 55 F/C/X/T)

RWY-27

SERVICE - FUEL - (NC A1)

REMARKS - Opr SR-SS. **CAUTION** - Rwy 09R-27L used as taxiway.

COMMUNICATIONS - INFO - (V) 127.35 121.9

NAVAIDS - LAR VORW-DME - HA 117.900 LAR CH 126 N27°40.51' E54°24.91' 267° 1.7 NM to Fld. 2619/2°2.0'E **LAR NDB** - HW 224.000 LAR N27°40.18' E54°22.65' At Fld. 2641/2°2.0'E

LARA, TU **VORW-DME** - T 113.600 LRA CH 83 N36°52.73' E30°48.42' 341° 1.2 NM

to ANTALYA. 177/3°57.0'E **H-16F, L-15A**

LARISA, GR **LGLR** MIL N39°39.02' E22°27.93' 241 UTC+2(+3DT) **H-15D, L-12G**

(B) **RWY-08**

(CLSD 9711x148 ASP)

RWY-26

RWY-08R L5,A,50

(9711x98 ASP F16)

L5,A,50 **RWY-26L**

8832→

←8464

HOOK BAK-9(B) (2763')

HOOK BAK-9(B) (936') J-BAR BEFAB (1060' OVRN) →

SERVICE - LGT - PAPI Rwy 08R/26L GS 2.5°. **A-GEAR** - NET and HOOK, end Rwy 08R , HOOK end Rwy 26L. **JASU** - 1(MA-3MPSU) 1(ST-22/28) **FUEL** - (NC- 115/145, J4)

REMARKS - Opr SR-SS. OT O/R. **CAUTION** - Rwy 08/26 clsd for const, parl twy designated as temp Rwy 08R/26L. Sfc asphalt with fst and last 492' concrete. Aircrew cautioned to strictly flw APP and TWR inst. Bird haz.

COMMUNICATIONS - APP - (E) 120.55 122.1 362.3 **TWR - (E)** 120.55 122.1 257.8

NAVAIDS - LARISA TACAN - HA LAR CH 27 (100/25) N39°39.28' E22°30.39' 258° 2.0 NM to Fld. 241/3°16.4'E Opr SR-SS. **LARISA NDB** - MHW 362.000 LSA N39°38.73' E22°27.69' At Fld. Unk/3°16.0'E Opr SR-SS.

ILS/RADAR - ■RADAR - ASR - Call GCA - 122.0 120.55 344.0 PAR - Call FINAL CONTROLLER - 123.30 385.40. Opr 0300-1100Z++, OT and hol 30 min PN.

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LARNACA, CY **LCLK** CIV N34°52.51' E33°37.49' 8 UTC+2(+3DT)

H-10H-13A-16F, L-15B-16F

(B) **RWY-04** L6,38,50

(9776x148 ASP PCN 80 F/D/W/U)

L6,9,34,50 **RWY-22**

←9201

SERVICE - AOE **LGT** - PAPI Rwy 22 GS 2.75°. **FUEL** - A1(Air BP, C357-24-643139),
(NC-100LL, avbl 0400-1130Z++ Mon-Fri, OT 2 hr PN)

REMARKS - **CAUTION** - Bird haz. **MISC** - Ctc Larnaca Twr on freq 121.2, state CS and Fully
ready for start-up, twr will issue clnc.

COMMUNICATIONS - **ATIS** - 112.8 **APP** - (V) 121.2 **TWR** - 119.4

NAVAIDS - **LARNACA VORW-DME** - HA 112.800 LCA CH 75 (200/50) N34°52.40'

E33°37.60' At Fld. 20/(A)3°00.0'E **LARNACA NDB** - MHW 432.000 LCA N34°49.30'

E33°33.30' 044° 4.7 NM to Fld. 8/3°55.4'E

ILS/RADAR - **ILS, ILS-DME** 22

LA ROCHE, FR **LFBV** CIV N45°09.05' E1°28.15' 379 UTC+1(+2DT) **L-8F**

RWY-14 L7,9,50

(4593x98 ASP S28)

L7,9,50 **RWY-32**

3937→

←4101

SERVICE - **LGT** - PAPI Rwy 14 GS 4.9°, Rwy 32 GS 5.5°. **FUEL** - Avbl 0500-1815Z++,
1900-2030Z++ Mon-Fri; 0800-1100Z++, 1300-1900Z++ Sat, hol; 0800-1100Z++,
1300-1815Z++, 1900-2030Z++ Sun. (NC-100LL, A1)

REMARKS - **RSTD** - Landing is proh if PAPI is inop when wx is blw 3000'/ 4.3NM. Grass strip
reserved for based acft. **NORDO** proh.

COMMUNICATIONS - **BRIVE INFO** - 120.4 **REMARKS**: Opr 0500-1815Z++, 1900-2030Z++
Mon-Fri; 0800-1100Z++, 1300-1900Z++ Sat, hol; 0800-1100Z++, 1300-1815Z++,
1900-2030Z++ Sun

ILS/RADAR - ➔ **ILS** - BRG 319° LCZR RH 109.5 GS 5.5° LOM RH 326.

LA ROCHE SUR YON, FR **NDB** - MHW 334.000 YN N46°41.35' W1°17.18' 282°

3.9 NM to LES AJONCS. 302/2°2.0'W **H-7A,L-7B-8E**

LARZAC, FR **LFCM** CIV N43°59.36' E3°10.98' 2606 UTC+1(+2DT) **H-7B-15A, L-11C**

RWY-14 L7,50

(5577x98 ASP S83 T116 ST147 TT208)

L7,50 **RWY-32**

4330→

←3936

SERVICE - **LGT** - PAPI Rwy 14-32 GS 3.4°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0930-1200Z, 1330-1700Z Mon-Fri; (0800-1100Z, 1230-1700Z sum). OT PPR
48 hr PN.

COMMUNICATIONS - **MILLAU INFO** - 120.8

LASBORDES, FR **LFCL** CIV N43°35.17' E1°29.95' 459 UTC+1(+2DT) **L-11C**

RWY-16 L50

(3117x98 ASP S32)

L50 **RWY-34**

2658→

SERVICE - **FUEL** - Avbl 0800-1100Z++, 1300-1600Z++ Mon-Fri; O/R Sat, Sun, and hol.
(NC-100LL)

REMARKS - Opr 0800-1900Z++ or SS+30. **RSTD** - **NORDO** proh.

COMMUNICATIONS - **ATIS** - 128.1 **TOULOUSE APP** - Opr H24 (R) 125.175 129.3 123.85
124.975 **TWR** - 122.7

NAVAIDS - **VHF/DF**

LASHAM, UK **EGHL** CIV N51°11.23' W1°02.01' 618 UTC 0(+1DT) **H-5B-6F, L-3C-4G**

RWY-09

(5896x131 ASP)

RWY-27

COMMUNICATIONS - **FARNBOROUGH APP** - 125.25 **GLIDER OPR** - 129.9 131.025

LASK, PL **EPLK** MIL N51°33.10' E19°10.74' 633 UTC+1(+2DT) **H-8F-5E, L-21B-22F**

(B) **RWY-11** L38,55

(8200x190 CON PCN 54 R/B/W/T)

L33,55 **RWY-29**

SERVICE - **FUEL** - A1, 100LL PPR

REMARKS - Opr 0630-1430Z++ Mon-Fri.

COMMUNICATIONS - **INFO** - 128.5

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NAVAIDS - LASK NDB - MHW 664.000 T N51°32.72' E19°12.71' 284° 1.3 NM to Fld.
Unk/3°46.1'E **LASK NDB** - MHW 322.000 TZ N51°32.30' E19°15.02' 283° 2.8 NM to Fld.
Unk/3°46.6'E

LA TESTE DE BUCH, FR **LFCH** CIV N44°35.78' W1°06.65' 49 UTC+1(+2DT)

L-8E-11B
RWY-08L L7 (4593x66 ASP S28) L7 **RWY-26R**
4265→ ←3281
RWY-08R (3871x262 GRS) **RWY-26L**
←2624

SERVICE - FUEL - Avbl 0800-1030Z++, 1300-1600Z++ (NC-100LL, A1)

REMARKS - Opr 0800-1100Z++, 1315-1600Z++ Mon-Fri; 0800-1130Z++, 1230-1600Z++
Sat, Sun and hol. **RSTD** - NORDO proh.

COMMUNICATIONS - CAZAUX APP - Opr 0730-1610Z++ Mon-Thu; 0730-1430Z++ Fri.
(U) 119.6 142.45 284.85 342.0 362.3

LATINA, (E COMANI) IT **LIRL** MIL/CIV N41°32.55' E12°54.54' 93 UTC+1(+2DT)

H-7D, L-12E
(B) **RWY-12** L7,50 (5577x131 ASP SWL44) L7,50 **RWY-30**

SERVICE - LGT - PAPI Rwy 12, 30 MEHT 58'. **FUEL** - 100LL (avbl based acft only), J8
FLUID - LHOX, De-Ice **OIL** - O-125

REMARKS - Opr 0600-1800Z++ Mon-Fri, 0700-1900Z++ Sat and hol. Non-based acft
handling avbl 0700-1500Z++ Mon-Thu, 0700-1030Z++ Fri. **RSTD** - 24 hr PPR.

COMMUNICATIONS - APP - (E) 122.1 126.55 360.8 362.3 **TWR - (E)** 119.15 122.1 261.0
257.8 299.4

NAVAIDS - LATINA DVORW-DME - HA 111.200 LAT CH 49 (060/25) N41°32.47' E12°55.08'

At Fld. 93/1°51.0'E MP 0800-1000Z++ 1st Mon. **LATINA NDB** - HW 393.000 ITA
N41°32.47' E12°55.17' At Fld. 61/1°51.4'E **LATINA NDB** - MHW 379.000 LAT N41°31.47'

E12°56.62' 303° 1.9 NM to Fld. Unk/1°50.7'E MP 1000-1200Z++ 2nd Wed. **VHF/DF**

LAT LAT VOR/DME MRA 25NM 010°-100° unuse

100°-130° 5000'

130°-290° 2500'

290°-330° 5000'

330°-010° 10,000'

ITA NDB MRA 20 NM 140°-290° 3000'

290°-330° 5000'

LAT NDB MRA 25 NM 330°-140° 12,000'

140°-290° 3000'

290°-330° 5000'

330°-140° 12,000'

LAUPHEIM, GM **ETHL** MIL N48°13.22' E9°54.60' 1766 UTC+1(+2DT) **VFR, H-6I, L-6H**

(B) **RWY-03** (1968x164 GRS) **RWY-21**
RWY-09 L5,43 (5400x98 ASP) L2,5,24,43 **RWY-27**

SERVICE - FUEL - J8 **OIL** - O-133-147-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - Trng flt of
tran acft not auth 1100-1300Z++. F/W acft enter and leave Rwy 03-21 via extn cntrline Rwy
03 only due to parl trench W of rwy. Hot reful with intercom only. **CAUTION** - Model
flying haz. **MISC** - Rwy 03-21 for lgt acft only, mrk. Copter ldg area for VFR flt, dur non-opr
hr, lctd on rwy btn mid and W int. Fone C07392-95-0 extn 2451. Class D airspace eff
2300Z++ Sun-2300Z++ Fri exc hol, OT Class E.

COMMUNICATIONS - MUNCHEN CON - (R) (E) 129.45 259.0 **LIMA TWR - (E)** 42.4X
122.1 138.75X 257.8 376.1 **LIMA RADAR - (R) (E)** 119.1 123.3 138.45X 143.35X 281.35
344.0 371.8 385.4 **A/G - (E)** 42.4X

NAVAIDS - LAUPHEIM NDB - MHW 407.000 LUP N48°13.08' E9°54.65' At Fld.
1835/1°12.2'E

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

LAVAN ISLAND, IR **OIBV** PVT N26°48.62' E53°21.38' 76 UTC+3:30 **H-13C, L-18F**

RWY-11 (6815x148 ASP) **RWY-29**

SERVICE - FUEL - (NC-A1)

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REMARKS - Opr SR-SS. **RSTD** - PPR. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - INFO - 129.0 128.55 (heliport)

NAVAIDS - LAVAN ISLAND VORW-DME - HA 116.850 LVA CH 115(Y) N26°48.73'

E53°21.36' At Fld. 76/1°59.0'E **LAVAN ISLAND NDB** - HHW 310.000 LVA N26°48.00'

E53°23.18' 291° 1.7 NM to Fld. 76/1°58.0'E

LVA VOR/DME

080°-110° within 20 NM blw 3000'

110°-310° within 20 NM blw 2000'

310°-340° within 20 NM blw 3000'

340°-080° within 20 NM blw 5000'

010°-060° within 40 NM blw 8000'

060°-090° within 40 NM blw 6000'

090°-110° within 40 NM blw 5000'

110°-130° within 40 NM blw 4000'

130°-280° within 40 NM blw 3000'

280°-300° within 40 NM blw 4000'

300°-320° within 40 NM blw 5000'

320°-010° within 40 NM blw 6000'

LA VEZE, FR **LFQM** CIV N47°12.39' E6°05.02' 1271 UTC+1(+2DT) **L-8H-9A**

RWY-05 L1,7,50

(4593x66 ASP S28)

L1,7,9,50 **RWY-23**

3576→

←4396

SERVICE - LGT - PAPI Rwy 05 GS 3.7° MEHT 30', PAPI Rwy 23 GS 4.0° MEHT 44'. PCL with

PPR fr INFO Fone C03 81 83 15 32. **FUEL** - Avbl 0800-1100Z++, 1300-1630Z++ Mon-Fri;

OT PPR thru INFO. (NC-100LL, A1)

REMARKS - Opr 0800-1130Z++, 1300-1700Z++ Mon-Fri; 0900-1100Z++, 1300-1600Z++

Sat; PPR before 1400Z++ prev bus day for Sun, hol. **CAUTION** - Ultralgt, prcht and aerobatic act.

COMMUNICATIONS - INFO - 122.2

LAWICA, PL **EPPO** CIV N52°25.26' E16°49.58' 308 UTC+1(+2DT) **H-8F-5E, L-5E-21A**

RWY-11 L5,38,50

(8215x164 ASP PCN 52 F/A/X/T)

L2,5,11 **RWY-29**

SERVICE - AOE FUEL - (NC-100LL, A1)

REMARKS - CAUTION - Maj const to twy / aprn UFN.

COMMUNICATIONS - POZNAN TWR - 118.225

NAVAIDS - POZNAN NDB - HW 429.000 POZ N52°23.88' E16°56.68' 285° 4.6 NM to Fld.

Unk/3°13.2'E

ILS/RADAR - ILS, ILS-DME 29

L BASSI, IT See TRAPANI BIRGI

LE BOURGET, FR **LFPB** CIV N48°58.17' E2°26.48' 218 UTC+1(+2DT) **H-6G, L-7D**

RWY-03 L7,9

(8743x197 ASP PCN 47 F/C/W/U)

L7 **RWY-21**

RWY-07 L5,9,13

(9843x148 CON PCN 58 R/C/W/U)

L5,9 **RWY-25**

8858→

←6890

RWY-09 L5

(6053x148 ASP PCN 35 F/C/W/T)

L5,9,13,50 **RWY-27**

SERVICE - FUEL - A1 (Total Groupement Avitaillement du Bourget, Fone C33 01 48 35 80 93, avbl 0500-2100Z++) (NC-100LL). **OIL** - O-123-128-149-156

REMARKS - RSTD - Ldg proh Rwy 09; tkof proh Rwy 27. CAT II/CAT III trng flt proh. PPR for

IFR arr btn 0700-1100Z++ and 1600-2000Z++ Mon-Fri, fone (1) 48-64-69-17 btn

0720-1100Z++ and 1200-1605Z++ Mon-Fri. Proh to VFR flts wo perms of Civil Aviation

Services, fax C01 48 62 65 04. **NS ABTMT** - See AP/2 Supplementary Arpt Info.

CSTMS/IMG - CSTMS avbl. **MISC** - Rwy 09-27 middle 5774' grooved.

COMMUNICATIONS - ATIS - 120.0 **DE GAULLE APP - (R)** 121.15 125.825 119.85 126.425

118.15 136.275 126.575 **TWR** - 118.925 118.4 **GND** - 121.9 **DE GAULLE DEP - (R)**

124.35 133.375 131.2 126.575 **PREFLIGHT** - 121.95

NAVAIDS - LE BOURGET VORW-DME - HA 108.800 BT CH 25 (040/25) N48°58.48'

E2°27.31' At Fld. 200/1°03.5'W

ILS/RADAR - ILS-DME 07, 27. **LOC-DME**

B-256 AIRPORT/FACILITY DIRECTORY

LE BREUIL, FR LFOQ CIV N47°40.71' E1°12.53' 398 UTC+1(+2DT) L-7C

RWY-12 L1,7 (4101x98 ASP S23)

L1,7,9 RWY-30

3937→

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0830-1100Z++, 1300-1630Z++ dly exc hol. **CSTMS/AG/IMG** - PPR 24 hr prior to 1600Z++ prev bus day.

COMMUNICATIONS - BLOIS INFO - 118.45

LE CANNET, FR LFMC MIL N43°23.08' E6°23.23' 265 UTC+1(+2DT) L-11D

RWY-09 L2,7,9,50 (2625x98 ASP S41)

L2,7,9 RWY-27

RWY-13 L50 (4593x98 ASP S55)

RWY-31

3714→

←4393

SERVICE - LGT - PAPI Rwy 09 GS 4° MEHT 58', PAPI Rwy 13 GS 3.3° MEHT 42'. **FUEL** - A1+ **OIL** - O-155-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1300Z++ Fri.

COMMUNICATIONS - ATIS - 128.65 **LE LUC APP - (R) (U)** 122.2 140.925 142.075 297.775 (142.075 FINAL) **LE LUC TWR** - 123.0 278.2 **GND** - 121.85

NAVAIDS - LE LUC VORW-DME - HA 113.000 LUC CH 77 (100/25) N43°22.97' E6°15.36' 089° 5.7 NM to Fld. 266/(A)0°00.0'E **LE LUC NDB** - MHW 378.000 LU N43°23.21' E6°31.51' 269° 6.0 NM to Fld. Unk/0°27.7'E **VHF/DF**

ILS/RADAR - →ILS-DME - BRG 089° LCZR LC 109.3 CH 30 GS 4°

LE CASTELLET, FR LFMQ CIV N43°15.15' E5°47.11' 1391 UTC+1(+2DT)

H-7C-15B, L-11D

RWY-13 L7,50 (5741x98 ASP S46 T102 ST130)

L7,50 RWY-31

5601→

←5381

SERVICE - LGT - PAPI Rwy 13 GS 3.4° MEHT 44', PAPI Rwy 31 GS 3.5° MEHT 45'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 1000-1200Z, 1300-1700Z (0800-1100Z, 1200-1700Z sum).

COMMUNICATIONS - AFIS - 119.0

LECCE, (GALATINA) IT LIBN MIL N40°14.35' E18°08.00' 156 UTC+1(+2DT) H-15D, L-12F

(B) RWY-14 L7,9,50 (6637x197 ASP SWL44)

L7,9,12,50 RWY-32

6440→

←6189

←NET BEFAB (EOR)

NET BEFAB (159° OVRN) →

SERVICE - LGT - PAPI Rwy 14, 32 GS 2.5° MEHT 52'. PAPI Rwy 14/32 O/S UFN. **JASU** - 1(U-1000) **FUEL** - J8 (PPR Base OPS) **FLUID** - LHOX **OIL** - O-149

REMARKS - Opr 0700-1500Z++ Mon-Thu, 0700-1200Z++ Fri. **RSTD** - PPR 24 hr PN.

CAUTION - Twys B, C and E not vis fr twr.

COMMUNICATIONS - APP - Intmt, ctc Brindisi SCCAM/FIC for avbl. **(R) (E)** 118.95 122.1 279.025 362.3 **TWR - (E)** 119.55 122.1 257.8 234.65 **GND** - 280.55

NAVAIDS - LECCE VORTACW - HA 112.800 LCC CH 75 (040/25) N40°14.91' E18°07.84' At Fld. 217/2°40.5'E MP 0700-0900Z++ 1st Wed. LCC VORTAC MRA 40 NM 4000'

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA

LECHA WALESY, PL EPGD CIV N54°22.65' E18°27.97' 489 UTC+1(+2DT)

H-8F, L-2G-21A

RWY-11 L5,38,50 (9186x148 ASP PCN 50 F/B/W/T)

L2,5,11 RWY-29

SERVICE - AOE FUEL - (NC-100LL, A1)

REMARKS - MISC - 7546x328 grass emerg only ldg strip lctd S side of rwy.

COMMUNICATIONS - ATIS - 129.625 **GDANSK APP** - 127.275

GDANSK TWR - 118.1

NAVAIDS - KARTUZY VORW-DME - HA 113.200 KRT CH 79 N54°17.98' E18°12.48' 061° 10.2 NM to Fld. 689/(A)2°00.0'E **GDANSK NDB/LOM** - HW 322.000 GDA N54°20.71' E18°35.76' 290° 5.0 NM to Fld. Unk/3°52.8'E

ILS/RADAR - ILS

AIRPORT/FACILITY DIRECTORY B-257

LECHFELD, GM ETSL MIL N48°11.13' E10°51.67' 1822 UTC+1(+2DT) **VFR, H-61, L-6H**
(B) **RWY-03** L25,24,50 (8012x98 CON TT200) L25,24,50 **RWY-21**
HOOK 44B-2D(B) (16' OVRN) HOOK 44B-2L(B) (1300')
HOOK 44B-2L(B) (1300') HOOK 44B-2D(B) (16' OVRN)

SERVICE - LGT - ABn flg W/green. **A-GEAR** - Cable at concerned apch end disconnected.
HOOK 44B-2L(B) O/R 15 min. **JASU** - 1(GPE-160) **FUEL** - J8 **FLUID** - LOX **OIL** -
O-133-148-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - No practice
apch btn 1130-1300Z++. **CAUTION** - Exp windshear and turb on short final and TDZ for
Rwy 21 with SW winds. **NS ABTMT** - Strict adherence to the published VFR and IFR pro is
mand. **MISC** - Rwy ldg sfc has anti-skid layer. Glidr act and acrobatic flt in VMC up to 5000',
rad 5 NM of afld Sat, Sun and hol fr SR-SS. Avoid ovft of populated areas. For info fone
C08232-907 extn 2626.

COMMUNICATIONS - MUCHEN CON - (R) (E) 129.45 259.0 **TWR - (E)** 122.1 135.15
257.8 296.725 **RADAR - (R) (E)** 123.3 129.025 138.35X 138.9X 278.05 344.0 358.65 362.3
385.4 337.975X

NAVAIDS - LECHFELD TACAN - HA LCH CH 25 (040/30) N48°11.43' E10°51.54' At Flid.
1838/(A)0°00.0'E
LCH TACAN unuse 120°-240° byd 35 NM blw 4000'

ILS/RADAR - ■RADAR - ASR/PAR - Call RADAR 129.025 241.925 278.05 385.4.

LEEDS BRADFORD, UK EGNM CIV N53°51.95' W1°39.63' 681 UTC 0(+1DT)
H-3D-5B, L-3C, T-2F
RWY-14 L4,5,23,50 (7382x150 CON PCN 51 R/B/W/T) L3,4,5,23,50 **RWY-32**
6424→ ←6420

SERVICE - AOE LGT - PAPI Rwy 14 GS 3.5°. **FUEL** - (NC-100LL, A1; 100LL avbl
0730-1800Z++, not avbl for copter or acft with wingspan over 56', OT by prior arng. A1 by
prior arng only). **OIL** - O-113-117-156

REMARKS - RSTD - Rwy 09 unavbl for ldg at ngt. No copter flt trng wi arpt tfc zone, inst
apch trng avbl PPR. PPR btn 2300-0700Z++. Rpt LDA for Rwy 09 is 2953'; Rwy 27 3130';
Rwy 14 5912'; Rwy 32 6286'. **CAUTION** - Unlgted obst sur arpt. Bird haz.

COMMUNICATIONS - ATIS - 118.025 **APP - (R)** 123.75 **TWR** - 120.3

NAVAIDS - LEEDS BRADFORD NDB - HHW 402.500 LBA N53°51.90' W1°39.17' At Flid.
Unk/3°16.5'W **VHF/DF**

ILS/RADAR - ILS-DME 14 32 **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

LEEMING, UK EGXE MIL N54°17.54' W1°32.12' 132 UTC 0(+1DT) **H-3D-5B, L-3C**
(B) **RWY-16** L5,24,50 (7520x150 ASP) L5,24,50 **RWY-34**
←NET RAF (EOR) HOOK RHAG(B) (1300') HOOK RHAG(B) (1300') NET RAF (EOR) →

SERVICE - LGT - ABn red coded LI. PAPI Rwy 16-34 GS 2.5°. **A-GEAR** - Nml OPS apch cable
down, ovrn cable up. Up to 30 min reqd for apprch end engagements. **JASU** - 1(A4) 1(E1)
1(E4) 1(E7) **FUEL** - 100LL, A1+ **FLUID** - OXRB LHOX De-Ice **OIL** - O-123-128-149-156

REMARKS - Opr 0800-2359Z++ Mon-Thu, 0800-1800Z++ Fri. **RSTD** - 24 hr PPR. For tight
turns on rwy, use conc ends only. Stn based fast jets have priority tkof. Visiting acft may
have to break off RADAR apch to permit dep. **CAUTION** - Rwy 16, when wind is 210°-250°
at 10-25 Kt windshear may occur on FNA. **NS ABTMT** - No practice diversions aft 2000Z.
Min afbturner as is operationally nec. Aftburner proh 2300-0700Z. Copter OPS are
significantly rstd. All acft avoid ovft towns and villages. **MISC** - Ltd prk, overnrgt PPR.
Armed acft advs APP/TWR of status when inbd, ltd handling svc.

COMMUNICATIONS - ATIS - 369.475 **APP - (R) (E)** 127.75 123.3X 231.45 362.3X
TWR - 120.5X 122.1X 368.925 257.8 **GND** - 379.9 **OPS** - 259.025 **ZONE** - 127.75 262.95

NAVAIDS - LEEMING TACAN - T LEE CH 73 (090/50) N54°17.83' W1°32.21' At Flid.
92/3°18.5'W **VHF/UHF/DF**

ILS/RADAR - ILS RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA

LEER PAPENBURG, (LEER NUTTERMOOR) GM EDWF CIV N53°16.30' E7°26.54'
3 UTC+1(+2DT) **L-5B**
(B) **RWY-08** L7,50 (3937x66 ASP AUW4, PPR AUW12.5) L7,50 **RWY-26**
SERVICE - FUEL - (NC-100LL, A1)

B-258 AIRPORT/FACILITY DIRECTORY

REMARKS - Opr 0700Z-SS Mon- Fri; 0800Z-SS Sat, Sun, hol; OT PPR. (0600-1700Z/Max SS Mon-Fri; 0700-1700Z/Max SS Sat, Sun, hol; OT PPR DT). **CSTMS/IMG** - Avbl O/R 2 hr before arr.

COMMUNICATIONS - **BREMEN INFO** - 125.1 **INFO** - 130.775 15 NM to 3000 ft. AGL.

LEEWARDEN, NL EHLW MIL N53°13.72' E5°45.63' 3 UTC+1(+2DT) **H-5C, L-5A**
RWY-06 L4,5,41 (9701x164 ASP) L4,5,24,50 **RWY-24**
8854→ ←8648
BAK-14 44B-4H(B) (1133') BAK-14 44B-4H(B) (1487')
RWY-09 L5 (6559x164 ASP) L5 **RWY-27**
6364→
BAK-14 44B-4H(B) (1442') BAK-14 44B-4H(B) (1133')

SERVICE - **JASU** - 1(DSA 150), 1(JAS) **FUEL** - A1+, J8 **FLUID** - PRESAIR LHOX LOX OX
OIL - 0-133-147-148-149-155-156

REMARKS - Opr 0700-1545Z++ Mon-Fri. **RSTD** - PPR. **CSTMS/IMG** - CSTMS - 45 min PN.
MISC - No practice apch.

COMMUNICATIONS - **RAPCON NORTH** - HO (R) (E) 122.1 337.0 **ARRIVAL** - (R) (E)
122.1 279.525 **TWR** - Prim freq outside HO ctc Dutch Mil Info 132.350 MHz. (E) 120.7
247.675 122.1 257.8 **GND** - HO (E) 281.55

NAVAIDS - **LEEWARDEN TACAN** - HA LWD CH 94 (150/60) N53°13.42' E5°45.12' At Fid.
22/(A)3°00.0'W Unlocks 6 NM E, 1000', 9NM E, 1500'. Possible unlock on final rad.

ILS/RADAR - ➔ **ILS-DME** - BRG 056° LCZR LWZ 111.75 CH 54Y GS 3°. ➔ **ILS-DME** - BRG 236°
LCZR LWO 111.75 CH 54Y GS 3°. ➔ **ILS-DME** - BRG 091° LCZR WOL 109.75 CH 34Y GS 3°.
➔ **ILS-DME** - BRG 271° LCZR LOB 109.75 CH 34Y GS 3°. **RADAR** - SEE TERMINAL FLIP FOR
RADAR MINIMA.

LEGNICA, PL EPLE CIV N51°10.96' E16°10.69' 407 UTC+1(+2DT) **H-8F, L-5E-22E**
RWY-08 (5249x131 CON) **RWY-26**

REMARKS - Opr 0730-1530Z++ Mon-Fri, 24hr PN.

COMMUNICATIONS - **AERO** - 125.55

LEICESTER, UK EGBG CIV N52°36.47' W1°01.92' 469 UTC 0(+1DT) **L-3C,-4F**
(B) **RWY-04** (1608x59 ASP) **RWY-22**
RWY-06 (1099x98 GRS) **RWY-24**
RWY-10 L5,50 (3084x98 ASP) L5,50 **RWY-28**
RWY-15 (1624x59 ASP) **RWY-33**
RWY-16 (1371x98 GRS) **RWY-34**

SERVICE - **LGT** - ABn, green coded LE. PAPI GS 3.25° **FUEL** - (NC-100LL)

REMARKS - Opr 0900-1700Z++, OT by arng. **RSTD** - PPR

COMMUNICATIONS - **RDO** - 122.125 **REMARKS**: (Advisory svc only).

NAVAIDS - **LEICESTER NDB** - MHW 383.500 LE N52°36.38' W1°02.10' At Fid.
Unk/2°48.2'W

LEIGHTON BKS AHP, GM See GIEBELSTADT AAF

LEINE, GM DVORW-DME - HA 115.200 DLE CH 99 (060/50) N52°15.02' E9°53.01'
398/(A)1°00.0'E (80/50 045°-090°) Interference fr Eurach VOR-DME byd designated
coverage in Sctr 135°-225°.
DLE VOR 355° - 005° 187° byd 50NM -
H-5D, L-5C

LEIPZIG HALLE, (SCHKEUDITZ) GM EDDP CIV N51°25.95' E12°14.50' 465
UTC+1(+2DT) **H-5D-6I, L-5D**
(B) **RWY-08** L2,3,4,5,9,10,50 (11811x148 CON PCN 80 R/C/X/T) L2,3,4,5,9,10,50 **RWY-26**
RWY-08R (CLSD 11811x198 GRE) **RWY-26L**

SERVICE - **LGT** - PAPI Rwy 08 MEHT 57', Rwy 26 MEHT 56'. **FUEL** - (NC-100LL, A1)
FLUID - De-Ice avbl.

REMARKS - **CAUTION** - Possible wake turb. Bird haz. 679' crane 3775' to 5545' byd Rwy 08
thld 9545' S of cntrl. **CSTMS/IMG** - Avbl. **MISC** - Ldg fees.

AIRPORT/FACILITY DIRECTORY B-259

COMMUNICATIONS - ATIS - 123.95 60NM/FL200 **MUNCHEN RADAR - (R) (E)** 124.175
132.3 379.925 **TWR - (E)** 121.1 119.7 275.35 **GND - (E)** 121.8
MUNCHEN INFO - 125.8 262.75

NAVAIDS - LEIPZIG VORW-DME - HA 115.850 LEG CH 105(Y) (080/50) N51°26.16'
E12°28.39' 267° 8.7 NM to Fld. 486/(A)1°00.0'E **LEIPZIG NORTH DME** - T LND CH 82
(025/10) N51°26.06' E12°13.54' At Fld. 415/1°49.4'E **LEIPZIG SOUTH DME** - T LED
CH 58(Y) (025/10) N51°24.68' E12°13.43' 026° 1.4 NM to Fld. 502/1°49.0'E
LEIPZIG NDB/LMM - MHW 340.000 ZIG N51°26.04' E12°16.83' 265° 1.5 NM to Fld.
463/1°50.3'E **LEIPZIG NDB** - MHW 357.000 MA N51°23.71' E12°20.59' 299° 4.4 NM
to Fld. Unk/1°51.0'E Opr when Rwy 28 in use. **LEIPZIG NDB** - MHW 434.000 SK
N51°26.09' E12°07.00' 090° 4.7 NM to Fld. Unk/1°47.5'E **VHF/DF**

ILS/RADAR - ILS - ➔ ILS-DME BRG 084° LCZR I-LNE 108.55 DME LND CH 82 GS 3°. ➔
ILS-DME BRG 264° LCZR I-LNW 108.35 DME LND CH 82 GS 3° LMM ZIG 340.

LEIRIN, (FAGERNES LEIRIN) NO ENFG CIV N61°00.93' E9°17.28' 2697 UTC+1(+2DT)

H-2G, L-1C

RWY-15 L5,41,50
6243➔

(6722x148 ASP PCN 50 F/A/X/U)

L5,41,50 **RWY-33**
←6515

SERVICE - LGT - PAPI Rwy 15 GS 3.8°, PAPI Rwy 33 GS 3.3°. **FUEL** - Avbl 0700-1700Z++
Mon-Fri, 1030-1600Z++ Sun. (NC-100LL, A1)

REMARKS - RSTD - No acft act if vis less than 800m. **CAUTION** - Windshear/eddies may
occur on short final Rwy 33 if wind from S, W, or N abv 15 Kt. **CSTMS/IMG** - Avbl O/R 4 hr
PN. **RWY** - Rwy 15 TORA 6526', LDA 6047', Rwy 33 TORA 6230', LDA 6024'.

COMMUNICATIONS - INFO - (V) 119.925

NAVAIDS - LEIRIN NDB - MHW 342.000 LL N61°00.98' E9°17.79' At Fld. Unk/0°32.3'E
VHF/DF

ILS/RADAR - ➔ LOC-DME - BRG 332° LCZR LL 110.5 CH 42 LCTR LL 342.

LE LUC, FR VORW-DME - HA 113.000 LUC CH 77 (100/25) N43°22.97' E6°15.36' 089°
5.7 NM to LE CANNET. 266/(A)0°00.0'E **NDB** - MHW 378.000 LU N43°23.21' E6°31.51'
269° 6.0 NM to LE CANNET. Unk/0°27.7'E **H-7C, L-11D**

LELYSTAD, NL EHLE CIV N52°27.62' E5°31.63' -13 UTC+1(+2DT) **L-5A**

RWY-05 L6,9,50

(4101x98 PEM PCN 19 F/D/W/T)

L6,9,12,50 **RWY-23**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0700-1900Z++ Mon-Fri; 0800-1800Z++or SS whichever is earlier Sat, Sun,
hol. **CSTMS/IMG** - CSTMS avbl 3 hr PN.

COMMUNICATIONS - RDO - 123.675

NAVAIDS - PAMPUS DVORW-DME - HA 117.800 PAM CH 125 (080/50) N52°20.09'
E5°05.53' 067° 17.7 NM to Fld. 27/(A)2°00.0'W (120/50 SW)

SPIJKERBOOR DVORW-DME - HA 113.300 SPY CH 80 (100/50) N52°32.42' E4°51.23'
103° 25.1 NM to Fld. 26/(A)2°00.0'W (150/50 NW)

LE MANS, FR NDB - HW 326.000 LM N47°53.61' E0°10.28' 023° 3.5 NM to ARNAGE.
Unk/1°41.8'W **H-7A, L-7C**

LENA, SW NDB - MHW 330.000 LNA N59°32.34' E17°21.50' Unk/3°59.6'E **H-2G, L-2G**

LEON, SP LELN MIL N42°35.34' W5°39.33' 3006 UTC+1(+2DT) **H-3A, L-11B**

(B) **RWY-05** L4,6,9,50

(6890x148 ASP PCN 40 F/B/X/U)

L4,6,9,38,50 **RWY-23**

RWY-06

(3609x328 GRE SWL 57)

RWY-24

SERVICE - LGT - ABn avbl O/R. **FUEL** - (NC-100LL, A1+, J8) **OIL** - 0-117 -123 -125 -128
-133, MIL-H-5606D

REMARKS - Opr 0530-2100Z++

COMMUNICATIONS - APP - (V) 122.1 **TWR - (E)** 122.1 139.3 257.8

NAVAIDS - LEON DVORW-DME - T 112.000 EON CH 57 N42°35.63' W5°38.77' At Fld.
3013/3°05.2'W **LEON NDB** - HW 330.000 LEN N42°35.20' W5°38.88' At Fld.
Unk/3°05.1'W

B-260 AIRPORT/FACILITY DIRECTORY

ILS/RADAR - ➔ ILS 228° LCZR ILE 109.5 CH 32 GS 3.0°

LEONARDO DA VINCI INTL, IT See FIUMICINO

LEOPOLD SEDAR SENGHOR INTL, SG GOOY MIL/CIV

N14°44.38' W17°29.41' 85 UTC 0 **H-11B, L-19A**
RWY-03 (4921x98 ASP PCN 18 F/C/W/T) **RWY-21**
RWY-18 L5,50 (11450x148 ASP PCN 82 F/C/X/U) L1,5,10 **RWY-36**
10925➔

SERVICE - AOE **FUEL** - A1(SMCADY) (NC-100LL)

REMARKS - **RSTD** - 180° turns proh Rwy 18-36 for acft over 40 tons.

COMMUNICATIONS - **DAKAR CON** - 120.5 118.1 **DAKAR TWR** - 118.1

DAKAR INFO - 129.5 127.3 **DAKAR INFO** - 3452 5565 6535 6673 8861

NAVAIDS - **DAKAR VORW-DME** - HA 113.100 YF CH 78 N14°44.69' W17°28.49' At Fld.
111(A)10°00.0'W **DAKAR NDB/LMM** - MHW 323.000 SDS N14°43.00' W17°29.00' 344°
1.4 NM to Fld. 144/8°49.6'W

ILS/RADAR - ILS

LE PALYVESTRE, FR LFTH MIL N43°05.84' E6°08.76' 7 UTC+1(+2DT)

H-7C-15B, L-11D
RWY-05 L5,9,50 (6955x148 ASP PCN 48 F/C/W/T) L5,9,50,51 **RWY-23**
6233➔ E5(B) (978')
←E5 (717') E5(B) (1365') L7,9,51 **RWY-32**
RWY-14 L7,9 (6234x164 ASP PCN 45 F/C/W/T) ←5939
5283➔ E5 (78' OVRN) ➔
➔E5 (951')

SERVICE - **LGT** - PAPI Rwy 05 MEHT 53, Rwy 23 MEHT 59'. **A-GEAR** - Chain gear setup time depends on circumstance. **FUEL** - Avbl 0530-1900Z++ Mon-Fri, OT 1 hr PN rqr. 100LL, A1+ **FLUID** - OXRP, LOX; O/R with 24 HR PN. **OIL** - O-147-156

REMARKS - Opr 0630-1700Z++ Mon-Thu, 0630-1130Z++ Fri; OT 1 hr PN. **RSTD** - PPR mandatory in blkd 18 of flt plan for mil acft. PPR fone C33.4.94.12.45.70. Ldg proh Rwy 14. Tkof Rwy 14 subj to rstd. Rstd on jet acft 15 Jun-15 Sep. **NS ABTMT** - Afterburner tkof PPR to MARINE PARIS or MARINE TOULIN. **CSTMS/AG/IMG** - Avbl O/R.

COMMUNICATIONS - **HYERES ATIS** - 129.65 **TOULON APP** - (E) 118.825 122.1 126.325 234.6 240.8 **HYERES RDR** - 362.55 379.95 **HYERES TWR** - (E) 121.0 121.8 257.8 396.9 **HYERES GND** - 121.8

NAVAIDS - **HYERES TACAN** - HA HYE CH 27 N43°06.05' E6°08.85' At Fld. 7/0°22.0'E O/S UFN **HYERES NDB** - HW 322.000 TLN N43°01.96' E6°09.17' 356° 3.9 NM to Fld. Unk/0°22.7'E **VHF/UHF/DF**

ILS/RADAR - **RADAR** - SEE TERMINAL FLIP FOR PAR **RWY 05 MINIMA** ■ **HYERES RADAR** - ASR 362.55 379.95 (TOULON RADAR - 125.2 123.3) PAR - Call FINAL - (Rwy 32-05 362.55 376.8) (Rwy 05, Radar loss, etc at 1.2 NM - 249.9 315.2)

LE PONTREAU, FR LFOU CIV N47°04.93' W0°52.62' 443 UTC+1(+2DT) L-7B

RWY-03 L7,50 (4528x98 ASP S23) L7,9 **RWY-21**
3937➔

SERVICE - **LGT** - PAPI Rwy 03 GS 4.0°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1100Z++ 1230-1800Z++ Mon-Sat; 1300-1800Z++ Sun and hol.

COMMUNICATIONS - **NANTES APP** - Opr H24 (R) 130.275 Above 3500 MSL.
CHOLET INFO - 120.4

LERIDA, SP NDB - HW 404.000 LRD N41°33.18' E0°38.88' Unk/1°01.3'W H-15A, L-11C

LEROS, GR LGLE CIV N37°11.09' E26°48.02' 39 UTC+2(+3DT) L-14H-15A

RWY-14 (3320x98 ASP) **RWY-32**
←2763

REMARKS - Opr HO. **RSTD** - Due to WIP on rwy, PN req before ldg. **CAUTION** - Bird haz.

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COMMUNICATIONS - INFO - (V) 124.95 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++)
(2989 Opr 1700-0400Z++)

LE ROZELIER, FR **LFGW** CIV N49°07.34' E5°28.14' 1230 UTC+1(+2DT) **L-6F**
RWY-10 L1,7,50 (3675x66 ASP) L1,7,50 **RWY-28**
←3478

SERVICE - LGT - PCL with PPR fr Aero Club fone C03 29 86 77 02. **FUEL** - Avbl SR-SS. Cash payment only. (NC-100LL)

REMARKS - Opr HX. **CAUTION** - Pilot trng, aerobatics and ultralgt act. Arpt lctd blw LFR 93B2. **CSTMS/IMG** - CSTMS avbl 12 hr PPR. Fone C03 83 32 03 10.

LES AJONCS, FR **LFRI** CIV N46°42.12' W1°22.72' 299 UTC+1(+2DT) **H-7A, L-7B-8E**
RWY-10 L1,7 (5085x98 ASP PCN 8 F/C/W/T) L1,7,9 **RWY-28**
←4134

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0730-1130Z++, 1300-1630Z++ Mon-Fri. **RSTD** - NORDO proh.

COMMUNICATIONS - NANTES APP - Opr H24 (**R**) 130.275 Above FL55.

LA ROCHE INFO - 119.9 **REMARKS**: Opr 0730-1130Z++, 1300-1630Z++ Mon-Fri; OT and hol PPR before 1100Z++ prev bus day.

NAVAIDS - LA ROCHE SUR YON NDB - MHW 334.000 YN N46°41.35' W1°17.18' 282°
3.9 NM to Fld. 302/2°2.0'W

ILS/RADAR - ➔ **ILS-DME** - BRG 284° LCZR LRY 111.9 CH 56 GS 3°

LES EPLATURES, SZ **LSGC** CIV N47°05.03' E6°47.57' 3368 UTC+1(+2DT)
H-7C, L-9A
RWY-06 L5,50 (3707x89 ASP PCN 20 F/C/Y/T) L5,17,50 **RWY-24**
3477→ ←3379

SERVICE - LGT - PAPI is abbreviated (two lgt). APAPI Rwy 06 GS 4.3° MEHT 31'; Rwy 24 GS 3.8° MEHT 14'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700Z++-SS. (max 1900Z minus 1hr ETE).

COMMUNICATIONS - TWR - 118.125

NAVAIDS - LES EPLATURES NDB - MHW 403.000 LPS N47°05.02' E6°47.63' At Fld.
Unk/0°23.7'E

ILS/RADAR - ➔ **LOC-DME** - BRG 236° LCZR ICF 108.15 CH 18(Y)

LE SEQUESTRE, FR **LFCL** CIV N43°54.83' E2°06.78' 564 UTC+1(+2DT)
H-7B-15A, L-11C
RWY-09 L5,9,50 (5118x98 ASP S46 T69 ST88) L5,9,50 **RWY-27**
4872→ ←4558

SERVICE - LGT - PAPI Rwy 09 GS 3.2°, PAPI Rwy 27 GS 3.5°. **FUEL** - Avbl 0700-1100Z++ 1200-1600Z++ Mon-Thu; 0700-1100Z++ 1200-1500Z++ Fri; PPR 48 hr OT. (NC-100LL, A1)

REMARKS - Opr 0630-1800Z++ Mon-Fri. No assurance Sat, Sun, hol; PPR 24 hr OT Mon-Fri; PPR 48 hr Sat, Sun and hol. **RSTD** - NORDO proh. **CSTMS/IMG** - CSTMS - PPR 24 hr ctc ALBI INFO.

COMMUNICATIONS - TOULOUSE APP - Opr H24. (**R**) 123.85 129.3
ALBI INFO - 118.95

NAVAIDS - GAILLAC VORW - HA 115.800 GAI (100/50) N43°57.24' E1°49.45' 103° 12.8 NM to Fld. 972/(A)2°0.0'W (60/50 210°-240°)

ILS/RADAR - ➔ **ILS** - BRG 091° LCZR AB 108.7 GS 3.2° LCTR AB 323

LES LOGES, FR **LFAL** CIV N48°35.77' E3°00.41' 428 UTC+1(+2DT) **L-7D**
RWY-06 (3133x66 ASP S23 T46) **RWY-24**

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr HX.

LES PUJOLS, FR **LFDJ** CIV N43°05.43' E1°41.75' 1115 UTC+1(+2DT) **L-11C**
RWY-09 L7 (4265x98 ASP S65) L7 **RWY-27**

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SERVICE - FUEL - Avbl 0700-1100Z++, 1300-1600Z++ Mon- Fri; OT PPR 48 hr. (NC-100LL, A1)

REMARKS - Opr 0700-1100Z++, 1300-1600Z++ Mon- Fri; OT PPR 48 hr **RSTD** - NORDO proh. Ngt ops rqr 48 hr PN to Paris AFIS.

COMMUNICATIONS - TOULOUSE APP - Opr H24 (R) 125.175 123.925 129.3 125.175 blw 1500'. **PAMIER INFO** - 118.175

LESQUIN, FR LFQQ CIV N50°33.72' E3°05.37' 157 UTC+1(+2DT) **H-6G, L-4H**
RWY-02 L7 (5184x98 ASP PCN 10 F/C/W/U) **L7 RWY-20**
RWY-08 L4,7,9 (9268x148 ASP PCN 52 R/B/W/U) **L3,4,5,33 RWY-26**
←8350

SERVICE - AOE FUEL - Avbl 0400-2100Z++ Mon-Sun, OT PPR. (NC-100LL, A1)

REMARKS - MISC - Rwy 26 PCN 62 F/C/W/U.

COMMUNICATIONS - ATIS - 119.325 **LILLE APP - (R)** 120.275 126.475 (120.275 West) (126.475 East) **LILLE TWR** - 118.55 **LILLE GND** - 121.85 **LILLE INFO - (R)** 134.825

NAVAIDS - LESQUIN VORW-DME - HA 109.000 LEQ CH 27 (040/25) N50°33.71' E3°05.35' At Fld. 190/1°00.8'W **VHF/DF**

ILS/RADAR - ➔ ILS-DME - BRG 258° LCZR LIL 110.75 CH 44(Y) GS 3° LCTR LL 332

LESVOS, GR VORW-DME - HA 114.200 LSV CH 89 (100/50) N39°13.88' E26°25.52' 142° 13.2 NM to MITILINI. 705/(A)0°00.0'E **NDB** - HW 397.000 LVO N39°02.98' E26°36.37' At MITILINI. Unk/3°44.7'E **H-15E, L-12H-15A**

LE TOUQUET PARIS PLAGE, FR LFAT CIV N50°31.04' E1°37.24' 36 UTC+1(+2DT) **H-6F, L-4H**
RWY-14 L5,35 (6070x131 ASP S55 T79 ST100 TT143) **L5,50 RWY-32**
←5578

SERVICE - AOE FUEL - (NC-100LL, A1)

REMARKS - Opr Mon-Sat 0900-1700Z++ (0800-1700Z Mon-Fri, 0700-1700Z Sat sum).

MISC - Class D Airspace 0700-1900Z++. OT Class G.

COMMUNICATIONS - ATIS - 123.125 **LILLE APP** - Opr H24 (R) 120.275 **TWR** - 118.45 **GND** - 125.3

NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS-DME - BRG 136° LCZR LT 110.15 CH 38(Y) GS 3° LCTR LT 358.

LE TUBE, FR LFMI MIL (AF) N43°31.36' E4°55.43' 82 UTC+1(+2DT) **H-7B-15A, L-11D**
RWY-15 L5,9,50 (12303x197 ASP **L5,9,50 RWY-33**
S171 T185 ST175 TT337)

A40 UNK (377' OVRN) →

SERVICE - LGT - PAPI Rwy 15-33 MEHT 80'. **FUEL** - A1+, 1 hr PN. **FLUID** - LHOX LOX avbl H24 **OIL** - O-133-156

REMARKS - Opr 0700-1600Z++ Mon-Thu; 0700-1400Z++ Fri; OT O/R. **RSTD** - Clsd 1st Thu morning of month for maint. **CAUTION** - Ints test flying all types acft in lcl area.

CSTMS/IMG - IMG H24. CSTMS avbl 0700-1100Z, 1300-1700Z Mon-Thu; 0700-1100Z, 1300-1600Z Fri; Sat-Sun O/R before 1400Z Fri; hol O/R before 1400Z last working day.

AF - Inbd US acft in support of KC135 tanker ops at Istres AB ctc Riviera Ops 30 min prior to arr. US mil acft not assign to Istres Le Tube are not auth to utilize this afld as a divert unless a PPR nr has been acquired. Ctc French ops at C011.33.4.42.56.91.20 ext 83255. If attempts to reach French fail ctc USDAO Paris at C011.33.1.43.12.29.29/22.22 and speak with an individual in the Air Attache's office or the DAO Duty Officer aft duty hrs. Riviera provides afld status, NOTAMS, current wx, and translator assistance to preclude significant gnd handling delays. Acft may be drct to taxi or prk in areas other than desired or exp, comply with instr, ctc Riviera Ops immed. Acft arr other than nml duty hrs on wkend, call Riviera Ops (DSN 229-4541, C011-33-442110541 fr US), C(0)4.42.11.05.41, wknd 0600-1800Z++) to arrange fleet svc. Riviera Ops can assist with corr dep routing. French Base Ops C33-4-42-55-6050.

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COMMUNICATIONS - RHONE ACC - (R) (U) 119.475 119.7 127.925 372.175 (279.575 Nimes sector) **ISTRES APP** - 120.35 123.3 142.45 251.275 278.675 (251.275 Inflight refuel) (282.525 Climb out) **ISTRES APP** - 282.525 362.3 **ISTRES TWR** - 122.1 123.6 240.5 257.8 **ISTRES GND** - 121.85 279.175 **RIVERIA OPS** - 257.25 11269.5 8999.5 (11269.50 day 8999.50 ngt.)

NAVAIDS - ISTRES TACAN - HA ITR CH 104 (200/60) N43°31.56' E4°55.62' At Fld. 82/(A)1°0.0'W (300/60 S) **ISTRES NDB** - MHW 390.500 ITR N43°31.57' E4°55.80' At Fld. 82/0°3.0'E **VHF/UHF/DF**

ILS/RADAR - ILS-DME - 15 RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA, Opr 0700-1600Z++ Mon-Fri, OT 1hr PN.

LEUCHARS, (MEDA) UK **EGQL** MIL N56°22.37' W2°52.11' 38 UTC 0(+1DT)

H-2E-3D-5A, L-3C

RWY-04 L7,50 (4803x151 ASP) L7,41,50 **RWY-22**

HOOK RHAG(B) (1311')

RWY-09 L5,41,50 (8491x150 ASP) L5,33,50 **RWY-27**

7605→

HOOK RHAG(B) (1300')

HOOK 44B-2F(B) (1300')

SERVICE - AOE **LGT** - PAPI Rwy 27 GS 2.5°. **JASU** - E-1, E-11, E-12, E-15, E-17, A-4 **FUEL** - 100LL, A1+ **FLUID** - LOX HPOX OXRB **OIL** - O-123-128-149-156

REMARKS - Opr 0700-1900Z++. **RSTD** - 24 hr PPR thru OPS. All hot acft or dangerous cargo loads, inform ATC at 40 NM inbd or at initial ctc. **CAUTION** - Hi gnd 668' 285° 2.5 NM. Bird haz. There is a significant dip on the N side of Rwy 09-27 btn 2000' to 2500' fr the thld of Rwy 27. **NS ABTMT** - Sun, nml movements not permitted btn 0001-1200Z++. Reverse thrust not permitted unless opr nec btn 2200-0730Z++. **MISC** - Mil emerg diversion arpt.

COMMUNICATIONS - ATIS - 369.25 **APP** - Call DIRECTOR at 40 NM. **(R) (E)** 123.3X 308.875 344.0X **TWR** - 122.1X 293.825 257.8X **GND** - 122.1X 275.375 **DEP - (R) (E)** 126.5 255.4 362.3X **OPS** - 370.075

NAVAIDS - LEUCHARS TACAN - HA LUK CH 42 (200/50) N56°22.37' W2°51.82' At Fld. 72/(A)7°00.0'W (Reduced protected rgf sctr 135°-225°). MP mthly 1300-1700Z++ 4th Tue. Rstd btn 289° and 292°. **VHF/UHF/DF**

ILS/RADAR - ILS - MP 0830-1230Z++ 3rd Sat. **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

LEUTKIRCH UNTERZEIL, GM **EDNL** CIV N47°51.55' E10°00.87' 2099

UTC+1(+2DT) **L-6H**

(B) **RWY-06** L7,55 (3346x66 ASP)

L7,50,55 **RWY-24**

2657→

←3150

SERVICE - LGT - PAPI Rwy 24 GS 4°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1800Z++ or SS+30 Mon-Sat, 0830-1800Z++ or SS+30 Sun and hol, OT PPR. PPR 1 Nov til 14 Mar. **CAUTION** - Gldr act, prcht jumping and ascents of free balloons. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri; before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/AG/IMG** - O/R 2 hr.

COMMUNICATIONS - MUNICHEN INFO - 126.95 **INFO** - 122.875 15NM to 3000ft AGL.

LEUX, SZ See TURTMANN

LEVALDIGI, (CUNEO LEVALDIGI) IT **LIMZ** CIV N44°32.82' E7°37.39' 1267

UTC+1(+2DT) **H-7C, L-9B-11D**

(B) **RWY-03** L5,9,50 (6903x148 ASP PCN 80 F/B/X/U)

L5,9,33,50 **RWY-21**

←UNK (EOR)

SERVICE - LGT - PAPI Rwy 03/21 MEHT 56'. **FUEL** - Avbl 0500-2300Z++ (NC-100LL, A1) .

REMARKS - Opr 0500-2300Z++. **CAUTION** - Tkof and ldg with ctn due to birds. Road sign pole .2NM before thld Rwy 03, 413' rgt RCL, 1299' MSL. **CSTMS/AG/IMG** - O/R 3 hr PN, fax C0172-374300, fone C0172-374374. **MISC** - Ovrvn avbl for tkof on pilot req. **RWY** - Grass Rwy 03/21 clsd.

COMMUNICATIONS - CUNEO INFO - (V) 119.55 257.8

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NAVAIDS - LEVALDIGI NDB - MHW 371.000 LEV N44°32.65' E7°36.92' At Fld.
Unk/0°42.0'E Opr SR-30 to SS+30. **VHF/DF**
LEV NDB MRA 030°-130° unusable
130°-270° 25 NM 14,500'
270°-330° unusable
330°-030° 25 NM 5000'

ILS/RADAR - ➔ ILS - BRG 213° LCZR LEV 110.95 GS 3°

LEVIS, FR LFJU PVT N46°42.81' E2°56.75' 746 UTC+1(+2DT) **L-8G**
RWY-06 (4960x55 ASP S32 T46 ST59) **RWY-24**
RWY-06R (2170x125 GRS) **RWY-24L**

LEZIGNAN CORBIERES, FR LFMZ CIV N43°10.55' E2°44.05' 207
UTC+1(+2DT) **L-11C**
RWY-08 (3281x98 ASP S46) **RWY-26**
SERVICE - FUEL - (NC-100LL)
REMARKS - Opr SR-SS.
COMMUNICATIONS - INFO - Opr 0800-1200Z++, 1300-1700Z++. 121.2

LHERM, FR LFBR CIV N43°26.93' E1°15.80' 622 UTC+1(+2DT) **L-11C**
RWY-12 L1,7,9,50 (3609x98 ASP S14) L1,7,50 **RWY-30**
SERVICE - LGT - PAPI Rwy 12 GS 3.4° , PAPI Rwy 30 GS 3.1° . **FUEL** - Avbl 0700-1100Z,
1300-1800Z (NC-100LL).
REMARKS - Opr 0700-1900Z++ Mon-Fri, 0800-1900Z++ Sat; or SS+30 Mon-Sat (if SS+30 is
before 1900Z++) exc hol. Extn possible before 1900Z++ with PPR fone C05 34 46 08 31.
COMMUNICATIONS - ATIS - 124.575 **TOULOUSE APP - (R)** 125.175 129.3 FRANCAZAL
APP 118.8 BTN 1500AGL TO 3500 MSL **MURET TWR** - 123.2 **MURET GND** - 121.75
NAVAIDS - TOULOUSE/FRANCAZAL TACAN - HA TLU CH 107 (080/50) N43°32.91'
E1°22.09' 219° 7.5 NM to Fld. 597/(A)3°00.0'W (150/50 to NE) MP 0700-1100Z++Wed.

LICHFIELD, UK NDB - HW 545.000 LIC N52°44.80' W1°43.17' Unk/3°05.8'W
H-3D-5B-6F, L-3C-4G

LICHTENAU, GM NDB - HHW 341.000 LAU N51°12.26' E9°41.46' Unk/1°04.1'E
H-6I, L-5C

LIDKOPING, (HOVBY) SW ESGL CIV N58°27.93' E13°10.46' 200 UTC+1(+2DT)
H-2G, L-2F
RWY-06 L5,38,50 (6529x148 ASP PCN 46 F/B/X/T) L2,5,33,50 **RWY-24**
SERVICE - LGT - PAPI Rwy 06 GS 3.25° . **FUEL** - Avbl dur AFIS opr. (NC-A1)
REMARKS - Opr PPR. **CAUTION** - Extv winch tkof of glidr dur sum. Model acft act.
CSTMS/IMG - CSTMS O/R, fone C+46 (0)456 66 20. **MISC** - Ldg fees, INCR charges
outside admin opr hr. Admin opr 0630-2000Z++ Mon-Thu, 0630-1500Z++ Fri, OT O/R,
fone C+46 (0)510 222 38, fax C+46 (0)510 53 51 80.
COMMUNICATIONS - AFIS - O/R fr admin dur opr hr. **(E)** 124.45
ILS/RADAR - ➔ ILS-DME - BRG 240° LCZR EGL 111.3 GS 3.0° CH 50

LIEGE, (BIERSET) BE EBLG MIL/CIV N50°38.25' E5°26.59' 659 UTC+1(+2DT) **H-6H, L-5A**
RWY-05L L7,50 (7677x148 ASP PCN 56 F/A/W/U) L7,11,50 **RWY-23R**
RWY-05R L4,7,11,50 (10784x148 ASP PCN 56 F/A/W/U) L3,4,7,10,50 **RWY-23L**
10010→
SERVICE - AOE **JASU** - U-1000 **FUEL** - 100LL, A1+ (No refu on mil side exc for lgt
aviation.)

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REMARKS - Civ-H24; Mil-Opr 0700-1600Z++ Mon-Thu; 0700-1400Z++ Fri; clsd Sat, Sun and hol. **RSTD** - No ldg for mil ftr acft due to FOD. 24 hr PPR for trng flt. Rwy 05L-23R sec'd rwy avbl for opr need in VMC and CAT1 but also usable as twy (twy B), all lgt 20 min PPR. Rwy 23R GP ops rstd to 5° left and rgt fr cntrline. **CAUTION** - Rwy 05L/23R due to holes left side of rwy between Twy N1 and N2. **NS ABTMT** - Must be certified according to ICAO Annex 16. Turbo powered acft- Fm Tkof to 2100' QNH: Tkof pwr, tkof flaps, climb to V2+10 to 20 kts or as ltd by body angle; At 2100' QNH to 3600' QNH: Reduce thrust to not less than climb thrust; At 3600' QNH: Accelerate smoothly to the enrt climb speed with flaps retracted.

COMMUNICATIONS - ATIS - 126.25 115.45 **APP** - (R) (E) 119.275 122.5 362.3

TWR - (E) 129.25 130.625 122.1 257.8 **GND** - (V) 121.925 **CLNC DEL** - 121.8

NAVAIDS - **LIEGE DVORW-DME** - T 115.450 LGE CH 101(Y) (040/25) N50°39.23' E5°28.23' 227° 1.4 NM to Fld. 698/0°13.8'W **LIEGE NDB/LMM** - MHW 348.500 LG N50°39.01' E5°28.01' 231° 1.2 NM to Fld. 550/0°13.8'W **LIEGE NDB/LOM** - MHW 290.000 ONL N50°42.07' E5°32.95' 227° 5.6 NM to Fld. 698/0°12.4'W (25 NM-W) **VHF/DF**

ILS/RADAR - **ILS ILS-DME** 23R, 05R ■ **RADAR** - PAR - Call Brussels ACC 129.575.

LIEKSA NURMES, FI **EFLN** PVT N63°30.72' E29°37.75' 374 UTC+2(+3DT) **L-1D**
RWY-11 (3084x59 ASP) **RWY-29**

REMARKS - Opr HX.

COMMUNICATIONS - **RDO** - 123.4

LIEPAJA INTL, LG **EVLA** CIV N56°31.05' E21°05.82' 16 UTC+2(+3DT) **H-2H, L-2G**
RWY-07 L7,20 (6568x131 ASP PCN 24 F/C/Y/T) L7,20 **RWY-25**

SERVICE - AOE **FUEL** - (NC- A1, 100LL) **FLUID** - De-Ice

REMARKS - Opr 0700-1430Z++ Mon-Fri (0700-1430Z++ Sun-Fri 1 May-31 Oct), OT O/R during HO. Fone/fax C(371-34)07592. Twr fax C(371-34)84074. **CAUTION** - Unlgt'd obst 455' wind turbines, 1-2NM E of fld. **MISC** - Ldg fees.

COMMUNICATIONS - **APP/TWR** - (R) 129.4 **METEO INFO** - 124.8

NAVAIDS - **LIEPAJA VORW-DME** - HA 112.300 LIE CH 70 N56°31.11' E21°05.52' At Fld. Unk/(A)2°00.0'E

LIETO, FI **NDB/LOM** - MHW 361.000 LIE N60°31.26' E22°25.12' 265° 4.6 NM to TURKU.
Unk/6°11.7'E **L-1D**

LIMA, GM **NDB** - MHW 311.000 LMA N51°22.25' E6°23.70' Unk/0°01.1'E Crs scallopings up to 8°, 060° at 15 NM, 082° at 18 NM. **H-6H, L-5B**

LIMERICK, EI See SHANNON

LIMNOS, (IFAISTOS) GR **LGLM** CIV N39°55.02' E25°14.18' 14 UTC+2(+3DT)
H-15E, L-12H

(B) **RWY-04R** L26,11,50 (9895x148 ASP PCN 53 F/B/X/U) L6,50 **RWY-22L**
←61QSII UNK (197' OVRN) HOOK UNK (1912')

HOOK UNK (1817') 61QSII UNK (246' OVRN) →

SERVICE - **LGT** - ABn coded LMN. PAPI Rwy 04R-22L rcpt ltd to 10° either side of cntrline.
FUEL - J8 avlb only by 24 hr PPR. (NC-A1)

REMARKS - Opr by NOTAM. **CAUTION** - Bird haz. **CSTMS/IMG** - Avbl SR-SS, 4 hr PN.

COMMUNICATIONS - **APP** - (E) 122.1 128.5 362.3 **TWR** - (E) 122.1 128.5 257.8
RDO - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - **LIMNOS VORW-DME** - HA 109.200 LMO CH 29 (150/50) N39°55.17' E25°14.23' At Fld. 30/(A)2°00.0'E **LIMNOS TACAN** - HA LMN CH 95 (100/25) N39°55.95' E25°14.73' 201° 1.1 NM to Fld. 15/3°40.0'E Opr SR-SS. **LIMNOS NDB** - HW 429.000 LIO N39°55.40' E25°14.95' At Fld. 15/3°40.0'E

ILS/RADAR - ■ **RADAR** - ASR/PAR - ASR - Call Limnos GCA 122.0 344.0 PAR - Call Limnos Final Controller 123.3 128.5 385.4

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LIMOGES, FR **VORW-DME** - HA 114.500 LMG CH 92 (100/50) N45°48.96' E1°01.53' 069°
7.0 NM to BELLEGARDE. 1375/(A)3°0.0'W (80/50 sctr 315° -060°) **H-7A, L-8F**

LINATE, (E FORLANINI) IT **LIML** CIV N45°26.71' E9°16.60' 353 UTC+1(+2DT) **H-7C, L-9B**
(B) **RWY-18L** L24,5,9,12,50 (8005x197 ASP PCN 40 F/A/W/T) L2,3,4,5,9,11,50 **RWY-36R**
RWY-18R (1972x72 BIT PCN 20 F/B/W/T) **RWY-36L**

SERVICE - AOE **LGT** - PAPI Rwy 18L, 36R MEHT 67'. **FUEL** - Avbl 0600-2030Z++.
(NC-100LL, A1)

REMARKS - **RSTD** - PPR mil jet. Cir E only. Only acft equipped with working TD with Modes
A and C are allowed to opr on A/D. Twy R2 clsd. No copter airtaxi W apn, ctc ATC for exc.
CAUTION - Some ILS users rpt false LOC capture. Obst crane 144' AGL 1.6 NM NW thld
Rwy 18L. Obst crane 141' AGL 1.1 NM S thld Rwy 35R. **MISC** - Rwy 36 pref for tkof and
ldg. Rwy 18R/36L avbl for pvt tfc only. Sfc movement radar avbl on twr and gnd freq. Acft
ctc GND prior to entering twy N; advs if tail abv 30' hi.

COMMUNICATIONS - **ATIS** - 135.55 **MILANO APP** - Call MILANO ARRIVAL (Opr
0600-2200Z++) (**R**) (**E**) 132.7 125.275 374.875 **TWR** - (**V**) 118.1 119.25 257.8
GND - 121.8 119.25X **MILANO DEP** - (North 126.75)(South 126.3 Opr 0600-2200Z++)
(**R**) (**E**) 126.75 126.3

NAVAIDS - **LINATE TVORW-DME** - HA 116.000 LIN CH 107 (025/25) N45°27.67' E9°16.52'
176° 1.0 NM to Fld. 386/1°05.4'E MP 0830-1000Z++ 3rd Fri. **LINATE NDB** - MHW
386.000 LIN N45°20.66' E9°17.31' 354° 6.1 NM to Fld. Unk/1°05.7'E MP 0930-1030Z++
1st Tue. **VHF/DF**
LIN DME MRA

	050°-110° unusable
	110°-190° at 25 NM 6000'
	190°-240° at 25 NM 4000'
	240°-290° unusable
	290°-330° at 25 NM 4000'
	330°-050° at 25 NM 8000'
LIN VOR MRA 25 NM	050°-190° 6000'
	190°-330° 4000'
	330°-050° 8000'
LIN NDB MRA 25 NM	050°-340° 2500'
	340°-050° 5000'

ILS/RADAR - ➔ **ILS** - BRG 356° LCZR LNT 110.3 GS 3° BC unuse.

LINDTORP, DA **EK--/EK20** PVT N56°23.80' E8°26.52' 49 UTC+1(+2DT) **L-2E**
(B) **RWY-07** (3935x90 ASP PCN 10 F/B/Y/T) **RWY-25**

REMARKS - **RSTD** - PPR fone C97 48 75 73. **CAUTION** - Gldr and prcht act.

COMMUNICATIONS - **RDO** - 122.5

LINE, EZ See PLZEN LINE

LININ, PL **VORW-DME** - HA 113.100 LIN CH 78 N51°55.97' E21°09.51' 394/(A)2°00.0'E
H-8G, L-21B, T-1

LINKOPING MALMEN, SW See MALMEN

LINKOPING SAAB, SW See SAAB

LINNA, FI **DVORW-DME** - HA 117.900 SVL CH 126 N61°57.16' E28°54.84' 115° 1.1 NM
to SAVONLINNA. 343/(A)8°00.0'E **H-1D-2H, L-1D**

LINTON ON OUSE, UK **EGXU** MIL N54°02.93' W1°15.16' 53 UTC 0(+1DT)
H-5B, L-3B-C

(B) **RWY-04** L5,41,50 (6020x150 ASP) L5,24,50 **RWY-22**
5521→
RWY-10 L7,50 (4394x150 ASP) L7,50 **RWY-28**

SERVICE - **LGT** - ABn, red coded LO. **JASU** - 1(E12) **FUEL** - (100LL-Ltd quantities) A1+
FLUID - LHOX OXRB **OIL** - O-156

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REMARKS - Opr 0730-1715Z++ Mon-Thu, 0730-1700Z++ Fri, OT as rqr. **RSTD** - PPR.

CAUTION - Hi ints Flying Trng School. Rwy 10, trees wi apch area up to 143' AGL; apch only avbl to acft in emer.

COMMUNICATIONS - **ATIS** - 283.725 **APP** - (R) 118.55 372.125 362.3X 292.8

ZONE - 235.2 344.0X 118.55 122.1X **DIR** - 275.85 344.0X 123.3X 118.55 **TWR** - 122.1X 240.825 257.8X **GND** - 122.1X 278.325 **DEP** - (R) 118.55 281.825 292.8X

INFO - 118.55

NAVAIDS - **LINTON ON OUSE TACAN** - HA LOO CH 27 (050/25) N54°03.03' W1°14.94' At Fld. 53/3°08.7'W Intmt az lock btn 060° and 062° . **UHF/DF**

ILS/RADAR - ➔ **LOC** - BRG 036° LCZR LOB 110.7 MP 0730-0950Z++ 1st Thu. ➔ **ILS** - BRG 219° LCZR LOA 110.7 GS 3° Lczt crs offset 3°. MP 0730-0950Z++ 1st Thu. ■ **RADAR** - ASR-Call Director 123.3X 275.85 344.0X. MP 0730-1100Z++ 1st Wed. PAR-Call Talkdown 118.55 123.3X 369.025 375.575. MP 0730-0800Z++ Mon, 0730-0850Z++ 1st Mon.

LINZ, (HORSCHING) AU **LOWL/LOXL** CIV/MIL N48°13.99' E14°11.25' 978 UTC+1(+2DT)

H-6J, L-6J-10E

(B) **RWY-09** L2,4,5,11,50

(9843x197 ASP PCN 60 F/B/W/T)

L2,3,4,5,9,27,50 **RWY-27**

9022→

←9350

RWY-09L

(2165x148 GRS AUW6)

RWY-27R

SERVICE - AOE **LGT** - ABn **FUEL** - Avbl 0400-1900Z (0300-2000Z sum) (NC-100LL, A1) OT PN. **FLUID** - Acft de-icing vehicles.

REMARKS - Opr 0430-2200Z++ Mon-Fri; 0500-2200Z++ Sat, Sun. **NS ABTMT** - 2100-0400Z++ Idg Rwy 09 (ASP) (exc IMC) and tkof Rwy 27 (ASP) if possible.

COMMUNICATIONS - **ATIS** - 128.125 **RADAR** - (R) (V) 129.625 119.75 **TWR** - (V) 118.8

NAVAIDS - **LINZ DVORW-DME** - HA 116.600 LNZ CH 113 (060/50) N48°13.78' E14°06.19' 086° 3.4 NM to Fld. 1145/(A)0°00.0'E VOR MP 0700-0900Z++ 1st Wed, DME MP 1200-1400Z++ 1st Wed. **FREISTADT DVORW-DME** - HA 113.500 FRE CH 82 (060/50) N48°25.91' E14°07.79' 169° 12.1 NM to Fld. 2014/(A)0°00.0'E VOR MP 0800-1000Z++ 4th Tue, DME MP 1200-1400Z++ 4th Tue. **LINZ NDB/LOM** - HW 327.000 LNZ N48°14.23' E14°19.31' 266° 5.4 NM to Fld. Unk/2°19.6'E MP 0830-1000Z++ 2nd Wed. **VHF/DF** LNZ VOR-DME unusu 307° byd 45 NM blw FL 80 299° byd 42 NM blw FL 80

ILS/RADAR - **ILS**

LIPPE RADAR/MONITOR, GM See MAASTRICHT UAC

LISBOA ACC/FIC, PO **LPPC** (PAF/CIV) (R) (E) **CON** - N **Sctr** - 132.3 (338.0 Mil) (133.9 N Upper Sctrs when active) **Cntr Sctr** - 136.025 134.85 (338.8 Mil) **S Sctr** - 125.55 132.7 (357.5 Mil) **West Sctr** - 128.9 124.35 (294.7 Mil) **Demos Sctr** - 128.9 (294.7 Mil) **Veram Sctr** - 131.325 (294.7 Mil) **Madeira Sctr** - 132.25 131.125 (285.15 Mil) **INFO** - (123.75 wi Lisboa TMA SR-SS.) **MIL** - 130.9 131.05 123.75 242.0 247.25 358.35 (wi mil airspace) **H-3A-9A-16H, L-11A-13A, B, C**

LISBOA, PO **LPPT** MIL/CIV N38°46.88' W9°08.16' 374 UTC 0(+1DT) **H-16H, L-11A** **RWY-03** L4,5,17,50 (12484x148 ASP PCN 80 F/B/W/T) L3,4,5,37,50 **RWY-21** 12188→ ←10515 **RWY-17L5** (7874x148 ASP PCN 52 F/B/W/T) L5,17,50 **RWY-35** ←7382

SERVICE - AOE **LGT** - PAPI Rwy 03 MEHT 69', PAPI Rwy 21 MEHT 64', PAPI Rwy 35 MEHT 55'. **FUEL** - A1 (Air BP, fone C351-21-848-1694) (NC-100LL)

REMARKS - **RSTD** - PPR for all arr and dep acft. Rstd to acft able to maint two-way com with Lisboa Twr. **CAUTION** - Prim rwy is 03-21. Bird haz.

COMMUNICATIONS - **ATIS** - 124.15 **RDO** - 127.9 **APP** - (E) 119.1 375.25

TWR - (E) 118.1 118.95 340.0 **GND** - Opr 0700-2200Z++ 121.75 118.95 **CLD** - By ATIS. 118.95 **INFO** - Opr SR-SS 123.75 124.35 131.05 247.25 358.35

NAVAIDS - **LISBOA DVORW-DME** - HA 114.800 LIS CH 95 (080/50) N38°53.37' W9°09.77' 174° 6.6 NM to Fld. 1142/(A)5°00.0'W **CAPARICA NDB** - MHW 389.000 CP N38°38.54' W9°13.29' 026° 9.3 NM to Fld. Unk/4°00.5'W **ARRUDA NDB** - MHW 382.000 LAR N38°59.66' W9°02.42' 199° 13.5 NM to Fld. Unk/3°58.0'W

ILS/RADAR - **ILS**

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LISTA, (FARSUND LISTA) NO **ENLI** CIV N58°05.97' E6°37.56' 29 UTC+1(+2DT)
H-2F-5C, L-2E
RWY-14 L5,34,50 (9809x148 CON PCN 40 R/B/X/T) L5,22,50 **RWY-32**
8914→ ←8912
SERVICE - FUEL - Avbl O/R 30 min to ATS (NC-A1)
REMARKS - Opr 0520-1830Z++ Mon-Fri. OT O/R via fone C47-3839-3510 or 3839-5500.
RSTD - PPR Diplomatic clnc req to COMAIRNORTH. **CAUTION** - LST TACAN unrel btn rad 145°-160°. Elk and deer near rwy. During rain, standing water may occur on rwy at intersection of Twy C. **RWY** - Rwy 14 TORA 9114', LDA 8215'.
COMMUNICATIONS - AFIS - (V) 126.45 118.7
NAVAIDS - **LISTA TACAN** - HA LST CH 30 N58°06.09' E6°37.55' At Fld. 48/(A)2°00.0'W
LISTA NDB - HW 383.000 LST N58°04.29' E6°41.21' 312° 2.6 NM to Fld. 25/0°25.7'W
VHF/DF
ILS/RADAR - ➔ **ILS-DME** - BRG 134° LCZR LI 109.3 CH 30 GS 3° LCTR LST 383 BC ltd to ± 10° of cntrline.

LIVERPOOL, (JOHN LENNON) UK **EGGP** CIV N53°20.02' W2°50.98' 80 UTC 0(+1DT)
H-3D-5A, L-3C, T-2F
RWY-09 L4,5,33,50 (7500x151 ASP PCN 42 R/C/W/T) L3,4,5,33,50 **RWY-27**
7300→
SERVICE - AOE FUEL - (NC-100LL A1)
REMARKS - **RSTD** - PPR for all acft not based at Liverpool. **CAUTION** - Bird haz. When leaving the main aprn, do not enter the rapid exit turn-off when taxiing for Rwy 09/27.
COMMUNICATIONS - ATIS - 124.325 **APP - (R) (V)** 119.85 **TWR - (V)** 126.35
GND - Only avbl as dir by ATC. 121.95
ILS/RADAR - ➔ **ILS-DME** - BRG 270° LCZR I-LQ 111.75 CH 54Y GS 3° LCTR LPL 349.5
➔ **LOC-DME** - BRG 090° LCZR LVR 111.75 CH 54Y LCTR LPL 349.5 ■ **RADAR** - ASR CALL
RADAR 118.45 119.85

LJUBLJANA ACC/UACC, SI **LJLA** **RADAR/CON** - 128.88 128.88 121.33
121.33 132.715 132.715 **H-4E-6J-7D, L-9D-10E**

LJUBLJANA, (BRNIK) SI **LJLJ** CIV N46°13.42' E14°27.46' 1273 UTC+1(+2DT)
H-4E-7D, L-9D-10E
RWY-13 L4,5,12,50 (10827x148 ASP PCN 110 F/B/X/T) L3,4,5,10,50 **RWY-31**
SERVICE - AOE FUEL - A1 (World Fuel Svcs., Inc.) (NC-100LL)
REMARKS - Opr 0530-2100Z++ and O/R 24 hr PN. **CAUTION** - Bird haz.
CSTMS/AG/IMG - H24
COMMUNICATIONS - APP - Opr H24. **(R) (V)** 135.275 136.0 **REMARKS**: Freq 135.275MHZ is used in ACC and APP Ljubljana when joint sector is applicable. **TWR** - 118.0 118.75
NAVAIDS - **DOLSKO VORW-DME** - HA 112.700 DOL CH 74 N46°05.05' E14°46.71' 300° 15.8 NM to Fld. 2047/(A)1°00.0'E **LJUBLJANA NDB/LOM** - MHW 296.000 MG N46°10.39' E14°33.36' 305° 5.1 NM to Fld. 1063/2°18.8'E **DOLSKO NDB** - MHW 328.000 KAM N46°06.30' E14°40.53' 306° 11.5 NM to Fld. 1004/2°20.2'E **VHF/DF**
ILS/RADAR - ILS

LJUNGBY, SW See FERINGE

LJUNGBYHED, SW **ESTL** CIV N56°04.97' E13°12.75' 140 UTC+1(+2DT)
H-2G-5D, L-2F
RWY-11L L5 (6594x131 ASP PCN 25 F/B/X/T) L5 **RWY-29R**
RWY-11R L5,50 (7264x131 ASP) L5,33,50 **RWY-29L**
6526→
RWY-12L (CLSD 2625x82 ASP) **RWY-30R**
2297→
RWY-12R (CLSD 2625x82 ASP) **RWY-30L**
SERVICE - LGT - PAPI mil all Rwy GS 2.86° with extra civ PAPI on Rwy 29L GS 3.0°. **REMARKS** - **RSTD** - PPR for ops outsid TWR opr hr. PPR for school flt dur TWR opr hr.
MISC - Ldg fees, INCR charges outside TWR opr hr.

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COMMUNICATIONS - ATIS - 132.75 APP - (R) (E) 129.55 TWR - (V) 130.7 129.7X

REMARKS: Opr 0715-1515Z++ Mon-Thu, 0715-1115Z++ Fri. Opr hr may be reduced around hol by NOTAM. **GND - 121.65X**

NAVAIDS - LJUNGBYHED VORW-DME - T 113.400 LJU CH 81 (040/25) N56°04.98'

E13°12.07' At Fld. 154/2°11.5'E **VHF/UHF/DF**

ILS/RADAR - ➔ ILS - BRG 292° LCZR DA 111.7 GS 3°

LLANBEDR, UK EGOD MIL N52°48.70' W4°07.41' 30 UTC 0(+1DT) H-3D-5A, L-3B

RWY-05 (4328x151 ASP)

RWY-23

RWY-15 (4207x151 ASP)

RWY-33

RWY-17 L5,41,50 (7500x151 ASP)

L5,41,50 **RWY-35**

7189→

NET RAF (189' OVRN)

NET RAF (30' OVRN)

SERVICE - JASU - 1(A4) 1(C5) 1(C6) 1(E4) 1(E5) 1(E11) FUEL - A1+ FLUID - LPOX OIL - O-128-147-149

REMARKS - Opr 0900-1200Z++, 1300-1630Z++ Mon-Thu; 0900-1200Z++ Fri; OT 24 hr PPR. **RSTD** - 24 hr PPR. Rpt LDA Rwy 35 is 7303'; rpt LDA Rwy 17 is 7195'. **CAUTION** - Bird haz. Unmanned acft opr and rwy obst for long periods of time. Hi friction sfc on Rwy 18-36 may cause excessive tire wear on ldg.

COMMUNICATIONS - APP - (R) 122.5 386.675 LONDON MIL - (R) (E) 292.525

TWR - 122.5 387.75

NAVAIDS - VHF/UHF/DF

ILS/RADAR - ■ RADAR - HO. ASR - Call RADAR 122.5 386.675. PAR - Call TALKDOWN 122.5 370.3

LODZ, PL VORW-DME - HA 112.400 LDZ CH 71 N51°48.01' E19°39.37' 241° 10.7 NM
to LUBLINEK. 787/(A)2°00.0'E **L-21B, L-22F, T-1**

LOGRONO, SP LERJ CIV N42°27.63' W2°19.23' 1156 UTC+1(+2DT) H-16I, L-11B
RWY-11 L6,50 (6562x148 ASP PCN 81 F/B/W/U) L6,12,50 **RWY-29**

REMARKS - Opr 0530-2100Z++ ps 30 min PPR Mon-Fri; 0800-2000Z++ Sat, Sun. **RWY** - Due to obst hgt in the tkof path, rpt LDA Rwy 29 is 5709'.

COMMUNICATIONS - RIOJA TWR - (E) 118.575

NAVAIDS - LOGRONO DVORW-DME - L 115.450 LPA CH 101(Y) N42°27.63' W2°19.61'

At Fld. 1348/1°58.0'W **LOGRONO NDB** - HW 399.000 EAG N42°27.08' W2°18.88'

At Fld. Unk/1°58.3'W

LOLLAND FALSTER MARIBO, DA EKMB CIV N54°41.96' E11°26.41' 16
UTC+1(+2DT) **L-2E**

(B) **RWY-10** L5,34

(3937x98 ASP PCN 13 F/D/Y/T)

L5,34 **RWY-28**

SERVICE - LGT - ABn opr when acft exp at ngt or in lo vis dur day. FUEL - (NC-100LL, A1)

REMARKS - Opr 0730-1600Z++ Mon-Fri, 0700-1500Z Sat, Sun; clsd hol, Dec 24-31, Jan 1.

CAUTION - Ocnl PJE and cable lauched gldr act. **CSTMS/IMG** - 1 hr PN. **MISC** - Ldg fees.

COMMUNICATIONS - MARIBO AFIS - Opr 0730-1600Z++ (clsd Sat, Sun, hol win).

120.325 **COPENHAGEN INFO** - Opr H24. 127.075

LONDON ATCC, UK EGTG (CIV) CON - (R) (V) (Address FPL to EGTZQZF) 118.475
124.925 126.075 126.775 127.1 127.425 128.425 131.05 131.125 132.45 133.6 135.05
135.325 135.425 135.575. (118.775 120.175 121.225 121.275 121.325 126.875 127.7
127.875 128.125 128.475 129.025 129.05 129.1 129.2 129.275 129.375 129.425 129.6
130.925 131.125 132.3 132.6 132.84 132.95 133.075 133.175 133.45 133.525 133.975
134.25 134.45 134.75 134.9 135.25 136.2 136.275 136.4 136.55 136.6 As directed by ATC)
(118.825 119.775 120.475 120.525 Outbd RADAR may be withdrawn fr svc 2100-0730Z++)
INFO - (FIR) (124.6 S of Awy B1, E of Awy A1) (124.75 S of Awy B1, W of Awy A1) (125.475
N of Awy B1) **H-2E-3C-5A-6F, L-3A,B-4H**

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LONDON ATCC, (LONDON MIL) UK **EGWD** (MIL) **LONDON CENTER - (R) (E)**
Emerg Automatic triangulation fixer svc. **CAC - (R) (E)** Call LONDON MIL Ltd ctl cap
2300-0800Z++ Mon-Fri and 1700Z++ Fri thru 0800Z++ Mon. Awy crossing svc for Upper,
Middle and Lower ADR, CAC and RANGE penetration. LONDON MIL S of Awy L975 and
W of Awy A1 135.15 275.475 LONDON MIL S of Awy L975 and E of A1 135.275 299.975
LONDON JOINT AREA ORGANIZATION - (R) (E) Call LONDON MIL - Northwest (N of
Lichfield Corridor) 254.275. Central (S of Lichfield Corridor), 275.35. Southeast 233.8 299.8
291.075 251.225. **LOW LEVEL CLIMBOUT SVC - (R) (E)** Call SWANWICK MIL. LJAO -
Northwest 254.275. **NORTHERN OFF ROUTE COORDINATION AREA - (R)** Svc H24
provided by PENNINE RADAR-Call for nominated ATRCRU's as follows- LONDONJ
RADAR 299.975 135.275, LEEMING 292.7 127.75, NEWCASTLE 284.6 124.375, TEESIDE
118.95, PENNINE RADAR 128.675, LINTON ON OUSE 292.8 129.15, SPADEHAM 369.15,
or SWANWICK MIL 254.275. **H-5A-6E, L-3A, C-4H-7C**

LONDON, UK See CITY

LONDON, UK **VORW-DME** - HA 113.600 LON CH 83 (040/50) N51°29.23' W0°28.00'
At HEATHROW. 110/(A)3°00.0'W (80/50 257°-317°, 100/50 182°-257°) **H-6F, L-4G**

LONDON HELIPORT, (LONDON WESTLAND HELIPORT) UK **EGLW** CIV
N51°28.20' W0°10.67' 18 UTC 0(+1DT) **L-4G**
Pad 21 (124x52 CON CH47)

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0800-1730Z++ Mon-Fri, OT O/R. **RSTD** - PPR. **CSTMS/IMG** - CSTMS avbl
O/R.

COMMUNICATIONS - BATTERSEA TWR - 122.9

LONDON WESTAND HELIPORT, UK See LONDON HELIPORT

LONDONDERRY EGLINTON, (DERRY) UK **EGAE** CIV N55°02.57' W7°09.67'
22 UTC 0(+1DT) **H-2E-3D, L-3B**

(B) RWY-02 L7,50	(3955x148 ASP PCN 20 F/C/W/T)	L7,50 RWY-20
3520→		
RWY-08 L4,5,50	(6076x147 ASP PCN 35 F/B/W/T)	L4,5,13,50 RWY-26
5643→		

SERVICE - LGT - ABn flg W. PAPI Rwy 02-20 GS 4°. Apch lgt extn over water with visible
reflections. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0730-2115Z++ Mon-Fri; 0730-1545Z++ Sat; 1200-2115Z++ Sun. OT PPR.
RSTD - PPR. Rpt LDA: Rwy 08 is 5545', Rwy 26 is 5961' and Rwy 02 is 3563'. **CAUTION** -
Bird haz. **CSTMS/IMG** - CSTMS ltd, avbl 24 hr PN rqr. **MISC** - Ldg fees.

COMMUNICATIONS - APP - 123.625 **TWR** - 134.15

ILS/RADAR - ➔ **ILS-DME** - BRG 262° LCZR I-EGT 108.3 CH 20 GS 3°.

LONGVIC, FR **LFSD** MIL (CIV) N47°16.13' E5°05.40' 726 UTC+1(+2DT)
H-7B, L-6F-8H-9A

RWY-02	(5905x118 ASP S51 T69 ST88 TT129)	RWY-20
RWY-18 L5,9,50	(7874x148 ASP S69 T88 ST112 TT176)	L5,9,23,50 RWY-36
A40 UNK (623' OVRN) UNK (853')		UNK (1345') A40 UNK (295' OVRN)

SERVICE - LGT - PAPI Rwy 18-26 MEHT 26. **FUEL** - A1+ **FLUID** - HPOX LOX

REMARKS - Opr 0730-1600Z++ Mon-Thu; 0730-1400Z++ Fri; OT PPR to LFSDZPXZ, fone
C33.03.80.69.50.02 before 1400Z++ prev workday. **RSTD** - Rwy 02-20 for convl acft in
daylt only. Ng't cir apch proh to Rwy 18. **CSTMS/IMG** - Avbl Mon-Fri: Civ ATS hr, 2 hr PN;
Sat: 24 hr PN; Sun 48 hr PN; hol 24 hr PN last working day before. (Civ ATS hr are
0500-2100Z++ Mon-Fri; possible extn to 2200Z++ O/R before 2000Z++). Fone
C33.3.80.67.67.67.

COMMUNICATIONS - DIJON APP - (R) (U) 142.45 257.8 362.3 371.925 (129.025 civ VFR)
(251.375 jet climb out) **DIJON TWR** - 118.325 235.025 257.8 (118.325 civ VFR)

DIJON GND - (E) 122.1 (Mil 257.8) **DIJON INFO** - Opr 0830-1600Z++ Sat; 1300-2030Z++
Sun and hol. 118.325 **REMARKS**: Compulsory rdo ctc.

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NAVAIDS - DIJON VORW-DME - HA 111.450 DJL CH 51(Y) (060/50) N47°16.25' E5°05.84'
At Fld. 726/0°5.0'W (80/50 015°-075°, 100/50 105°-165°) **DIJON TACAN** - HA DIJ CH 82
(060/50) N47°16.32' E5°05.49' At Fld. 726/(A)1°0.0'W **VHF/UHF/DF**
ILS/RADAR - ILS-DME - 36 **RADAR** - ASR - DIJON RADAR - 123.3 129.025 139.55 233.475
PAR - DIJON GCA - (U) 123.3 (129.025 civ IFR) 139.55 282.525

LONGYEAR, (SVALBARD LONGYEAR) SV **ENSB** CIV N78°14.77' E15°27.93' 88

UTC+1(+2DT) **T-2**

RWY-10 L2,5,35,50 (7608x148 ASP PCN 40 F/B/X/U) L2,5,35,50 **RWY-28**
7409→ ←7213

SERVICE - LGT - Rwy 28 RT hand bar is drct 8° S of RCL. Rstd to max 8 NM fr thrld. **FUEL** -
Avbl by prior arng (NC-100LL,A1)

REMARKS - Opr HO, PPR 48 hr PN to C47 2331 7800.. **CAUTION** - Extv WIP on rwy, twy,
and apron areas til 31 Dec 07. Windshear/eddies may occur on short final Rwy 10 and 28.
Wind 160°-270° abv 20 Kt. Mod and severe turb may also occur blw FL 100 same wind
cond. **MISC** - Ldg and svc fees. **RWY** - LDA both rwy 7014'. TORA Rwy 10 7221', Rwy 28
7415'.

COMMUNICATIONS - INFO - (V) 118.1 119.85 3023 4666 5680 8840X (5680 SAR)

NAVAIDS - LONGYEAR NDB - MHW 350.000 LON N78°14.98' E15°24.07' At Fld.
10/4°48.6'E **VHF/DF**

ILS/RADAR - ➔ ILS-DME - BRG 103° LCZR LB 110.3 CH 40 GS 3° LIM LON 350. LcZR use ltd
to ± 15° of cntrline. IM unuse til 1 Aug 06. ➔ **LOC-DME** - BRG 300° LCZR LA 109.5 CH 32
LCTR ADV 326. LcZR use rstd to ± 10° of cntrline.

LOPERHET ATLANTIC NAVY COORDINATION CENT, FR See BREST LOPERHET ATLANTIC NAVY COORDINAT

LORIENT, FR TACAN - HA LOR CH 105 (060/25) N47°45.69' W3°26.47'
At LANN BIHOUE. 141/2°56.0'W (250/25 195°-255°) **NDB** - MHW 359.000 LOR
N47°45.79' W3°26.44' At LANN BIHOUE. 161/2°56.3'W test **H-3B, L-7A**

LOSINJ, HR NDB - MHW 429.000 LOS N44°31.63' E14°28.37' 239/2°14.4'E
H-4E-7D, L-9D-10E-12F

LOS LLANOS, SP See ALBACETE

LOS RODEOS, SP See TENERIFE NORTE

LOSSIE, UK See LOSSIEMOUTH

LOSSIEMOUTH, (LOSSIE) UK EGOS MIL N57°42.31' W3°20.35' 42 UTC 0(+1DT)
H-2E-5A, L-3C

(B) **RWY-05** L5,24,50 (9091x150 ASP PCN 45 R/B/W/T) L5,24,50 **RWY-23**
←8786
NET RAF (44' OVRN) HOOK RHAG(B) (1300') HOOK RHAG(B) (1400')
RWY-10 L7,34,50 (6066x150 ASP PCN 30 R/B/W/T) L7,41,50 **RWY-28**
5745→
HOOK RHAG(B) (530') HOOK RHAG(B) (1290')

SERVICE - AOE **LGT** - ABn, red coded LM. PAPI Rwy 05-23 and Rwy 28 GS 2.5° and is not
coincidental with ILS. **A-GEAR** - Active rwy apch end cables down, all others up. **JASU** -
1(C4) 1(E1) 1(E3) 1(E4) 1(E11) 1(E15) **FUEL** - A1+ **FLUID** - De-Ice LHOX LOX OXRB **OIL** -
O-128

REMARKS - Opr 0800-1800Z++ Mon-Thu, 0800-1700Z++ Fri. **RSTD** - 24 hr PPR.

COMMUNICATIONS - ATIS - 264.775 **APP - (R) (E)** 123.3X 277.875 234.875

DIRECTOR - 123.3X 258.7 **TWR** - 118.2 279.05 **GND** - 118.2 268.625 **DEP** - 119.35
123.3X 308.85 **RDR** - Call LOSSIE RADAR- **(R) (E)** 118.9 **OPERATIONS** - 369.3

NAVAIDS - KINLOSS TACAN - HA KSS CH 35 (100/60) N57°39.56' W3°32.11' 072° 6.9 NM
to Fld. 75/(A)6°00.0'W (200/60 270°-090°) MP 1300-1700Z++ 2nd Mon. **VHF/UHF/DF**

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ILS/RADAR - ILS RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

LOUDES, FR **LFHP** CIV N45°04.84' E3°45.77' 2731 UTC+1(+2DT) **L-8G**
RWY-15 L1,5,50 (4741x98 ASP S51) L1,5,9,27 **RWY-33**
4364→
RWY-15R (2515x190 GRS) **RWY-33L**
SERVICE - LGT - PAPI Rwy 15 GS 3.5° MEHT 30'. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0500-2000Z++ Mon-Fri.
COMMUNICATIONS - LE PUY INFO - 118.0
NAVAIDS - VHF/DF
ILS/RADAR - ➔ **ILS** - BRG 334° LCZR PY 108.5 GS 3.5° LCTR PY 372

LOURDES, FR **LFBT** CIV N43°10.72' W0°00.39' 1260 UTC+1(+2DT) **H-7A-15A, L-11C**
RWY-02 L5,50 (9843x148 ASP) L5,9,11 **RWY-20**
7644→ S129 T185 ST175 TT333)
SERVICE - AOE LGT - PAPI Rwy 02 GS 3.7°. **FUEL** - Avbl 0600-2200Z++, O/T 1hr PN.
(NC-100LL, A1)
REMARKS - RSTD - NORDO proh.
COMMUNICATIONS - ATIS - 125.95 **APP - (R)** 120.3 **PYRENEES APP - (R)** 121.175
TWR - 119.05 **GND** - 121.8
NAVAIDS - TARBES VORW - HA 113.900 TBO (080/50) N43°19.93' E0°08.75' 219° 11.4 NM
to Fld. 1020/(A)3°0.0'W **LAHITTE VORW** - HA 111.800 TAN (040/25) N43°28.00'
W0°01.11' 180° 17.3 NM to Fld. 964/(A)2°0.0'W (60/25 SE-SW) **TARBES NDB** - MHW
321.000 TL N43°17.30' E0°02.98' 201° 7.0 NM to Fld. 928/1°18.0'W Rcpt less than 50 NM
in S sctr. **VHF/DF**
ILS/RADAR - ILS

LOWENBERG, GM **VORW-DME** - HA 114.550 LWB CH 92(Y) (080/50) N52°54.62'
E13°08.08' 234/(A)1°00.0'E **H-5D, L-5D**

L RIDOLFI, IT See FORLI

LUBARS, GM **NDB** - HW 413.500 DLS N52°36.83' E13°21.82' Unk/2°10.6'E **L-5D**

LUBECK BLANKENSEE, GM **EDHL** CIV N53°48.32' E10°43.15' 53
UTC+1(+2DT) **H-5D, L-2E-5C**
(B) **RWY-07** L5,12,50 (6896x197 ASP PCN 55 R/B/W/T) L5,12,50 **RWY-25**
5912→
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0630-2200Z++ Mon-Fri and Sun; 0630-2100Z++ Sat. OT PPR. **RSTD** - Ovft
of built-up areas incl the wildlife reserve Schaalsee shall be avoided blw 2000'.
CAUTION - Windshear possible on short final Rwy 25 with NW wind. PJE and gldr act
vcnty arpt. Bird haz, hvy act .5NM W of apch end Rwy07. **NS ABTMT** - Tfc pat circuits
proh 1200-1400Z++, Sun and hol. **CSTMS/IMG** - Avbl O/R 2 hrs PN. **MISC** - Class D
Airspace eff 0830-1730Z Mon-Fri (0730-1730Z Mon-Fri DT); clsd hol; OT Class E.
COMMUNICATIONS - ATIS - 119.925 25NM to FL100. **TWR** - 128.7 **GND** - 121.775
BREMEN INFO - 125.1 376.7 **BREMEN RADAR - (R)** 124.225 299.85 **INFO** - 128.7
NAVAIDS - LUBECK DVORW - HA 110.600 LUB (065/50) N53°56.44' E10°40.07' 166°
8.3 NM to Fld. 264/(A)1°00.0'E **LUBECK BLANKENSEE DME** - T LUD CH 103(Y) (025/10)
N53°48.38' E10°43.12' At Fld. 70/1°19.8'E **LUBECK BLANKENSEE NDB** - MHW 394.000
LYE N53°48.05' E10°41.75' At Fld. 53/1°19.4'E
ILS/RADAR - ➔ **ILS** - BRG 072° LCZR I-LUE 111.7 GS 3°. GS deflections up to 1 dot possible
around 4 and 7 DME. ➔ **ILS** - BRG 252° LCZR I-LUW 111.7 GS 3°.

LUBIN, PL **EPLU** CIV N51°25.38' E16°11.77' 512 UTC+1(+2DT) **L-5E-21A-22E**
RWY-13 (3281x98 ASP) L5,38,50 **RWY-31**
SERVICE - LGT - O/R 24 hr PN. **FUEL** - (NC-100LL, A1)

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REMARKS - MISC - 3675x984 grass emerg only ldg strip lctd next to Rwy 13-31. VFR traffic only.

COMMUNICATIONS - AERO - Opr O/R. 122.4 **INFO** - Opr O/R. 122.7

NAVAIDS - LUBIN NDB - MHW 351.000 LUB N51°24.91' E16°12.67' At Fld. Unk/2°57.1'E
Opr O/R after prior consultation.

LUBLINEK, PL **EPLL** CIV N51°43.31' E19°23.89' 604 UTC+1(+2DT) **L-21B-22F, T-1**
RWY-07L L5,38,50 (4733x148 ASP PCN 48 F/B/X/T) L5,38 **RWY-25R**

SERVICE - FUEL - (NC-A1, 100LL)

REMARKS - CSTMS/AG/IMG - CSTMS/IMG avbl.

COMMUNICATIONS - TWR - Opr 0500-1900Z++. 124.225 **INFO** - Opr 0700-1530Z++.
122.7

NAVAIDS - LODZ VORW-DME - HA 112.400 LDZ CH 71 N51°48.01' E19°39.37' 241°
10.7 NM to Fld. 787/(A)2°00.0'E

ILS/RADAR - ➔ **ILS-DME** - BRG 247° LCZR LLZ 110.5 CH 42 GS 3.0°

LUBURG, GM **VORW-DME** - L 109.200 LBU CH 29 (040/50) N48°54.78' E9°20.41' 199°
14.2 NM to STUTTGART. 1064/(A)0°00.0'E (60/50 315°-135°) **H-6I,L-6H**

LUDWIGSHAFEN UNFALLKLINIK HELIPORT, GM **EDGL** CIV
N49°29.18' E8°23.35' (32UMV5576481693) 302 UTC+1(+2DT)
(B) (49x49 CON UH60)

SERVICE - LGT - Pad lgtd, orange/white Rot Bcn on top of hosp.

REMARKS - RSTD - Medical evac only, fone C0621-68101. **CAUTION** - Hi-rise bldg N of
pad. Hi-tension wires 600M E. Apartment bldg 90M W. **TFC PAT** - All arr 200°, dep 020°.

COMMUNICATIONS - COLEMAN TWR - Advs Coleman Twr ARR/DEP 40.5 142.65

LUGANO, (AGNO) SZ **LSZA** CIV N46°00.26' E8°54.63' 915 UTC+1(+2DT) **L-9B**
RWY-01 L4,5,50 (4429x98 ASP PCN 27 F/B/X/T) L4,5,50 **RWY-19**
4068→ ←3757

SERVICE - LGT - PAPI Rwy 01 GS 4.2° Rwy MEHT 25'. (O/R GS 6.0° MEHT 52') Rwy 19 GS
4.2° MEHT 25'. **FUEL** - (NC-100LL, A1) **FLUID** - De-icing

REMARKS - Opr 0600-2100Z++Mon-Sat, 0700-2100Z++Sun. OT PPR. **CAUTION** - Use PAPI
only aft passing ILU 2 DME. Do not undershoot PAPI due to trees blw apch path. **NS**
ABTMT - Avoid use jet/turbo reverse thrust by using full rwy len. **CSTMS/AG/IMG** - Avbl
O/R. **MISC** - Special auth rqr for IFR opr for flt crew.

COMMUNICATIONS - ATIS - 121.175 **TWR** - 120.25 119.7 122.55 **GND** - 121.775

NAVAIDS - VHF/DF

ILS/RADAR - ➔ **ILS-DME** - BRG 019° LCZR ILU 111.5 CH 52 GS 6.65°

LUIGI ROVELLI, IT See AMENDOLA

LULEA, SW See KALLAX

LUNDE, SW **NDB** - HHW 427.000 LUE N62°52.81' E17°49.60' 348° 10.3 NM
to KRAMFORS SOLLEFTEA. Unk/4°35.9'E **H-2G, L-1C**

LUONET, FI **DVORW-DME** - HA 112.300 LNE CH 70 N62°25.25' E25°37.40' 124° 2.0 NM
to JYVASKYLA. 696/(A)6°00.0'E **H-1D-2H, L-1D**

LUQA, MT **LMML** CIV N35°51.45' E14°28.65' 300 UTC+1(+2DT) **H-10E-15C, L-14F**
(B) **RWY-06** L5,12,50 (7799x148 ASP PCN 75 F/D/X/U) L5,12,50 **RWY-24**
RWY-14 L4,5,11,50 (11627x197 ASP PCN 100 F/B/X/U) L4,5,11,50 **RWY-302**
←11007

SERVICE - AOE **LGT** - Bdry lgt avbl. Rwy 06-24 PAPI MEHT 67', Rwy 14-32 PAPI GS 2.85°
MEHT 58'. **JASU** - 1(A1) 1(A2) 1(A3) 1(C2) 1(C3) 1(C4) 1(E1) 1(E3) 1(E4) 1(E5) 1(E6) 1(E7)
1(E11) 1(E12) 1(F1) **FUEL** - (NC-100LL, A1) **FLUID** - LHOX LOX OXR

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REMARKS - RSTD - PPR O/R 24 hr PN. Rwy 32 dep must apply tkof pwr, ONLY aft crossing ldg thld. Twy P clsd at ngt; rstd to acft with 49' or less wingspan only UFN. Trng flt proh 2200-0500Z++. Rwy 06/24 ltd to cat A-D acft. **CAUTION** - Bird haz. Exp windshear on apch, can occur blw 400', especially Rwy 24. Rwy 06-24 creates misleading visual impression of acft posn on 3° final. Rwy 06 appears too lo, Rwy 24 too hi. Acft with wingspan over 100' use ctn on twy.

COMMUNICATIONS - ATIS - 127.4 **APP - (R) (V)** 128.15 118.35 284.5 **TWR - (V)** 135.1 133.9 284.5 **APRON - (V)** 121.825 133.9 284.5 Clnv delivery and start-up

NAVAIDS - MALTA DME - L LM CH 42 N35°50.23' E14°30.17' 315° 1.7 NM to Fld. 300/1°52.2'E MP 0600-1000Z++ Thu. **LUQA NDB** - HW 416.000 LQA N35°53.49' E14°32.29' 235° 3.6 NM to Fld. Unk/1°52.8'E MP 0600-0900Z++ Sat. **MALTA NDB** - HW 395.000 MLT N35°48.93' E14°31.75' 315° 3.6 NM to Fld. Unk/1°52.4'E MP 0800-1100Z++ Sat. **VHF/DF**

ILS/RADAR - ILS ILS-DME - 14, ILS-DME 14 MP 0600-1000Z++ Fri, 32 MP 0600-1000Z++ Thu.

LUTON, UK **EGGW** CIV N51°52.48' W0°22.10' 526 UTC 0(+1DT) **H-6F, L-4G**
RWY-08 L4,5,11,50 (7086x151 ASP PCN 75 R/D/X/T) L4,5,11,50 **RWY-26**
←6807

SERVICE - AOE **FUEL** - Opr 0600-2400Z++ OT by arng. (NC-100LL, A1) **OIL** - O-117-123

REMARKS - CAUTION - Lgttd obst 689' 2.15 NM 267° fr arpt.

COMMUNICATIONS - ATIS - 120.575 **APP** - Call RADAR **(R)** 129.55 128.75X
TWR - 132.55 126.725X **GND** - Opr 0630-2300Z++ 121.75

ILS/RADAR - ➔ ILS-DME - BRG 077° LCZR I-LTN 109.15 CH 28(Y) GS 3°. ➔ **ILS-DME** - BRG 257° LCZR I-LJ 109.15 CH 28(Y) GS 3° ■ **RADAR** - MP 1400-1700Z++ Tue. Call DIRECTOR - 128.75

LUXEMBOURG, LU **ELLX** CIV N49°37.59' E6°12.69' 1234 UTC+1(+2DT) **H-6H, L-6G**
RWY-06 L2,4,5,27,50 (13123x197 PEM PCN 65 F/A/W/U) L2,3,4,5,27,50 **RWY-24**

SERVICE - AOE **FUEL** - A1 (ESSO Luxembourg) (NC-100LL) . **FLUID** - LHOX, LOX **OIL** - O-123

REMARKS - Opr 0500-2200Z++, OT PPR. **NS ABTMT** - Climb with max climb grad thru 3000', then maint climb attitude and dly incr airspeed til 4000'.

COMMUNICATIONS - ATIS - 135.55 **APP - (V)** 118.9 **TWR - (V)** 118.1

NAVAIDS - LUXEMBOURG VORW-DME - T 112.250 LUX CH 59(Y) (040/25) N49°38.37' E6°14.83' 242° 1.6 NM to Fld. 1234/0°05.4'E **LUXEMBOURG NDB** - MHW 368.500 ELU N49°40.78' E6°21.32' 241° 6.4 NM to Fld. Unk/0°07.3'E (25NM-W)

LUXEMBOURG NDB - MHW 346.000 WLU N49°34.07' E6°03.25' 061° 7.1 NM to Fld. Unk/0°02.2'E (25 NM-W) **VHF/DF**

ILS/RADAR - ILS-DME - 06, 24

LUXEUIL, FR **VORW** - HA 117.100 LUL (060/50) N47°41.30' E6°17.73' 027° 6.3 NM to SAINT SAUVEUR. Unk/(A)1°00.0'W (80/50 315°-045°) **TACAN** - HA LXI CH 19 (060/25) N47°46.99' E6°21.43' At SAINT SAUVEUR. 913/(A)1°0.0'W **NDB** - HHW 363.500 LXI N47°47.79' E6°22.51' At SAINT SAUVEUR. 913/0°14.0'E **H-6G, 7B, L-6F, G**

LUXOR INTL, EG **HELX** CIV N25°40.26' E32°42.39' 294 UTC+2(+3DT)
H-12H-14E, L-20F
(B) **RWY-02** L5,12,50 (9843x148 ASP PCN 70 F/C/W/U) L2,5,11,50 **RWY-20**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - RSTD - Flt blw FL85 not auth unless within 8 NM of arpt. **CSTMS/AG/IMG** - Avbl.

COMMUNICATIONS - RDO - 5859 2562 (2562 sby) **RADAR** - 124.3 118.1
TWR - 119.9 118.1 (118.1 sby) **GND** - 121.9

NAVAIDS - LUXOR VORW-DME - HA 114.400 LXR CH 91 N25°44.96' E32°46.11' 213° 5.8 NM to Fld. 332/(A)3°00.0'E **LUXOR NDB** - HHW 364.000 LO N25°44.27' E32°44.26' 200° 4.3 NM to Fld. 284/3°04.9'E

ILS/RADAR - ILS

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LUZERN, SZ See EMMEN

LYCKSELE, SW **ESNL** CIV N64°32.90' E18°42.97' 705 UTC+1(+2DT) **H-1C, L-1C**
RWY-14 L5,23,50 (6564x98 ASP PCN 30 F/B/X/T) L5,9,50 **RWY-32**
6071→

SERVICE - LGT - PAPI Rwy 14 GS 3.5°. **FUEL** - Avbl dur AFIS hr. (NC-100LL, A1)

COMMUNICATIONS - AFIS - Opr O/R, fone C+46(0)950 275 60 or C+46(0)950 275 51.
(V) 122.225

ILS/RADAR - ➔ILS-DME - BRG 138° LCZR WL 108.7 GS 3.5° CH 42 LOM DD 333. LcZR rng ltd 14.5 NM inside ± 10°, 10 NM inside ± 35° of RCL. ➔**LOC-DME** - BRG 318° LCZR NL 110.5 CH 42 LCTR OL 320 LCTR L 370. LcZR rg ltd to 10 NM inside ± 35° of RCL.

LYDD, UK **EGMD** CIV N50°57.37' E0°56.35' 13 UTC 0(+1DT) **H-6F, L-4G,**
(B) **RWY-03** L5,39,50 (4938x121 ASP PCN 46 F/C/X/T) L5,41,50 **RWY-21**
←4823

RWY-14 (CLSD 2264x115 ASP) **RWY-32**

SERVICE - AOE LGT - PAPI Rwy 21 GS 3.5°. **FUEL** - (NC-100LL, A1, A1+) **OIL** - O-117-123

REMARKS - Opr 0800-1900Z++, OT PPR. **RSTD** - Rwy 14-32 avbl PPR daytime only. Rpt LDA Rwy 03 is 4823'.

COMMUNICATIONS - TWR - Opr 0900-1900Z++Wed-Sun 120.7 **INFO** - Opr 0900-1900Z++ Mon-Tue 120.7

NAVAIDS - LYDD VORW-DME - HA 114.050 LYD CH 87(Y) (080/50) N50°59.98' E0°52.72' 141° 3.5 NM to Fld. 30/(A)3°00.0'W (100/50 197°-257°) **VHF/DF**

ILS/RADAR - ➔ILS BRG 209° LCZR 108.15 GS 3.5° LCTR LAA 397.

LYNEHAM, UK **EGDL** MIL N51°30.31' W1°59.61' 513 UTC 0(+1DT) **H-3C-6F, L-4F**
RWY-06 L5,9,41,50 (7828x148 ASP) L5,24,50 **RWY-24**
←7221

HOOK RHAG(B) (1700')

HOOK RHAG(B) (1598')

RWY-18 L5,41,50 (5991x148 ASP) L5,41,50 **RWY-36**

SERVICE - AOE LGT - PAPI Rwy 06 2.5° O/R. **A-GEAR** - Ovrn cable down, apch cable down, cables avbl 5 min PN. **JASU** - 1(A4) 1(E1) 1(E3) 1(E7) 1(E12) **FUEL** - (100LL by arng 72 hr PN) A1+ **FLUID** - De-Ice LHOX LOX OXRB **OIL** - O-128-149-156

REMARKS - RSTD - 24 hr PPR for non-sked acft. Rwy 06 displ thld 499' for ngt OPS. Rpt LDA Rwy 06, 7828' daytime, 7329' ngt; rpt LDA Rwy 24, 7233'; rpt LDA Rwy 18-36, 5971'.

CAUTION - Bird concentrations at dawn and dusk.

COMMUNICATIONS - ATIS - 233.125 **APP - (R) (E)** 118.425 123.4 278.7 362.3X
DIRECTOR - 118.425 338.35 344.0X **CAC** - Call LONDON MIL **(R) (E)** 135.15 278.6
TWR - (E) 119.225 122.1X 234.15 **GND** - 129.475 122.1X 369.2 **OPS** - 377.975
ZONE - 231.875 123.4

NAVAIDS - LYNEHAM TACAN - T LYE CH 35 (100/50) N51°30.61' W1°59.53' At Fld. 463/2°59.3'W **LYNEHAM NDB** - MHW 282.000 LA N51°30.50' W2°00.35' At Fld. 513/2°59.6'W **VHF/UHF/DF**

ILS/RADAR - ILS RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

LYON ATCC, FR See FRANCE ACC

LYON/SAINT EXUPERY, FR **VORW-DME** - HA 114.750 LSE CH 94(Y) (100/50) N45°44.73' E5°05.43' 181° 1.1 NM to SAINT EXUPERY. 261° 6.2 NM to BRON. 821/(A)1°0.0'W (140/50 135°-255°) **H-7B, L-8H**

M R STEFANIK, LO **LZIB** CIV N48°10.21' E17°12.76' 436 UTC+1(+2DT)
H-4E-6J, L-10F

RWY-04 L5 (9515x197 CON PCN 54 R/B/X/T) L2,5,9,11,50 **RWY-22**

RWY-13 L4,5 (10466x148 CON PCN 50 R/B/X/T) L2,3,4,5,10,50 **RWY-31**

←9689

SERVICE - AOE FUEL - (NC-A1, 100LL)

REMARKS - CSTMS/AG/IMG - CSTMS/IMG avbl H24.

B-276 AIRPORT/FACILITY DIRECTORY

COMMUNICATIONS - ATIS - 128.65 **APP - (R) (V)** 120.9 119.7 118.975 **REMARKS:** CALL
RADAR TWR - 118.3 118.7

NAVAIDS - JANOVCE VORW-DME - HA 110.800 JAN CH 45 N48°10.72' E17°32.68' 265°
13.3 NM to Fld. 423/(A)1°00.0'E **STEFANIK NORTH NDB/LOM** - HHW 391.000 OKR
N48°13.43' E17°17.42' 221° 4.5 NM to Fld. Unk/3°01.5'E
STEFANIK SOUTH NDB/LOM - MHW 330.000 OB N48°06.89' E17°17.90' 311° 4.8 NM
to Fld. Unk/3°01.2'E

ILS/RADAR - ILS

MAASTRICHT UAC, (MASSSTRICHT RADAR/LIPPE RADAR/MONITOR) GM **EDYY**
(CIV) **RADAR - (E) Coastal Sctr 136.465+ 371.775 Coastal Sctr Reserve 135.98+**
Coastal High FL345-unl **134.705+** (1600-2000Z++ wkd, 1500-2000Z++ weekend)
371.775 Hamburg Sctr 133.955+ Hamburg High FL335-unl **132.865+ 312.35 Ruhr Sctr**
132.615+ 311.75 Munster Sctr 133.855+ Hannover High W FL335-unl **135.310**
311.75 Solling Sctr 134.710+ 312.35 Solling High FL335-unl **131.38+ 312.35 (127.84**
312.35 reserve all sctrs) - **LIPPE RADAR - (E) N Sctr - 138.575** (ini ctc) **313.2 369.75 S**
Sctr - 131.075 (ini ctc) **314.6 373.45 LIPPE MONITOR** - (Avbl dur TRA activation times)
(345.15 EDD100 (abv FL 245) and EDD101B and EDR302 (TRA Weser 2)) **REMARKS** - +
sign means 8.33 KHz spacing.

MAASTRICHT UACC (EUROCONTROL), BE/GM/NL
EBUR/EDVV/EHAA CIV CON/RADAR - Brussels UIR - W Sctr - (E) 132.205 255.3
(132.755 FL 335 or abv) **Olno Sctr - (E) 132.855 291.6 Luxembourg Sctr - (E) 133.355**
367.3 Brussels East High Sctr 121.630 125.980 Hannover UIR/UTA - (Reserve all sctr -
1217.84+ 249.95) Hamburg Sctr - (E) 133.955+ Hamburg High Sctr - 132.865+ 249.95
Solling Sctr - (E) 134.710+ 249.95 Solling High Sctr - 131.38+ 249.95 Coastal Sctr -
(E) 136.465+ 135.98+ 244.85 Coastal High Sctr - (E) Mon-Fri 1500-1900Z++ Sat-Sun
1400-1900Z++ 134.705+ 244.85 Ruhr Sctr - (E) 132.615+ 311.75 Munster Sctr - (E)
133.855+ 311.75 Amsterdam UTA - At and above FL 300. Delta Sctr - 132.635 135.98
340.775 Delta High Sctr - (0700-2100Z++) 132.085 340.775 Ruhr Sctr - 132.615 311.75
REMARKS - + sign means 8.33 KHz spacing. **H-2F,G,-SC, D-6G, H, I**

MAASTRICHT, (BEEK) NL **EBHK CIV N50°54.70' E5°46.21' 375 UTC+1(+2DT)**
VFR, H-6H, L-5A
RWY-03 L4,5,9,11,50 (8202x148 ASP PCN 71 F/C/X/T) L4,5,9,11,50 **RWY-21**
7382→ ←7382

SERVICE - AOE FUEL - (NC-100LL, A1+)

REMARKS - Opr 0500-2200Z++. **RSTD** - 2200-0500Z++ Emerg msn acft only aft PPR. Radar
svc avbl 0700-1800Z++ Sat, Sun outside these hr no IFR trng flts accepted in Maastricht
TCA. Twy 1 and 2 clsd for acft with more than 147ft wingspan. **MISC** - Eng start clnc rqr.

COMMUNICATIONS - ATIS - Opr 0500-0300Z++ Mon-Fri, 0500-2200Z++ Sat,
0500-0100Z++ Sun. 124.575 **BEEK APP** - O/R or at ATC discretion. 120.2 123.975 278.5
BEEK TWR - (V) 119.475 119.7 362.3 BEEK GND - (V) 121.825

NAVAIDS - MAASTRICHT VORW-DME - HA 108.600 MAS CH 23 (040/25) N50°58.32'
E5°57.63' 245° 8.1 NM to Fld. 283/(A)1°00.0'W **MAASTRICHT NDB** - MHW 373.000 NW
N51°01.16' E5°52.70' 214° 7.7 NM to Fld. 150/0°07.5'W

ILS/RADAR - ILS-DME 22 RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

MACHRIHANISH, UK **VORW-DME** - HA 116.000 MAC CH 107 (150/50) N55°25.80'
W5°39.02' 296° 1.3 NM to CAMPBELTOWN. 95/(A)7°00.0'W (200/50 in sctr 231°-351°)
Due to terrain, low level reduced in sctrs 126°-166°, 211°-241°, 351°-086°.
H-2E-3D-5A, L-3B

MACKEL, BE **NDB** - MHW 360.500 MAK N50°57.88' E3°29.77' 33/0°55.0'W **H-6G, L-4H**

MADEIRA, (FUNCHAL) PO Madeira I **LPMA CIV N32°41.87' W16°46.47' 192**
UTC 0(+1DT) L-13A
(B) **RWY-05** L2,3,4,5,A,50 (9110x148 ASP PCN 80 F/A/W/T) L3,4,5,12,50 **RWY-23**
8630→ ←8620

SERVICE - AOE LGT - PAPI Rwy 05 MEHT 57', PAPI Rwy 23 MEHT 57'. **FUEL** - (NC-100LL,
A1)

AIRPORT/FACILITY DIRECTORY B-277

REMARKS - RSTD - PPR for all arr and dep acft. **CAUTION** - Severe turb when wind is 15 Kt (or possibly less) btn 300° and 020°. Downdrafts or updrafts are to be expected near thld of Rwy 05 and 23. When landing on Rwy 23 fr S and W sctrs, exp severe turb at lo alt over rwy thld. With westerly winds, tall windshears may be expected. Due to hi terrain no deviation to lt of apch path in ldg Rwy 05, immed lt turn aft tkof fr Rwy 23. Str-in apch not auth fr FUN DVOR to Rwy 23. Bird haz. **MISC** - Ng't ldg only for pilots familiar with daytime opr.

COMMUNICATIONS - APP - (E) 119.2 119.6 279.05 (279.05 Mil) **TWR - (E)** 118.35 279.05 (279.05 Mil)

NAVAIDS - MADEIRA DVORW-DME - HA 112.200 FUN CH 59 (200/50) N32°44.82' W16°42.34' 230° 4.6 NM to Fld. 504/6°33.5'W **PORTO SANTO DVORW-DME** - HA 114.900 SNT CH 96 (200/50) N33°05.42' W16°21.03' 231° 31.8 NM to Fld. 367/(A)8°00.0'W **MADEIRA NDB** - HHW 318.000 MAD N32°44.89' W16°42.39' 236° 4.6 NM to Fld. Unk/6°33.5'W **PORTO SANTO NDB** - HHW 338.000 PST N33°04.12' W16°21.50' 224° 30.6 NM to Fld. 338/6°25.6'W
FUN DVOR unuse 240°-310° within 20NM
FUN DVOR-DME unuse 240°-310° within 20 NM
SNT DVOR-DME unuse 240°-310° byd 20 NM blw 9000'
070°-170°
195° - 250° byd 10NM blw 9000'
MAD NDB unuse 260°-290° blw 7000'

MADINAH, SA See PRINCE MOHAMMAD BIN ABDULAZIZ

MADRID ACC/FIC/UACC, SP **LECM CIV CON (R)(E)** 119.7 123.1 127.5
132.725 282.8 Asturias Sctr - 136.225 136.225 362.3 362.3 Avila Sctr - 136.525 133.2
136.1 307.1 285.1 Bilbao Alto Sctr - 125.75 292.6 Castejon Superior Sctr - 132.975
357.4 Castejon Inferior Sctr - 133.85 133.85 362.425 362.425 Domingo Sctr - 134.35
342.8 Pamplona Alto Sctr - 133.95 300.45 Pamplona Bajo Sctr - 124.875 300.45 Ria
Sctr - 125.75 118.275 292.6 Santiago Sctr - 135.7 135.7 135.95 135.95 362.3 362.3
Somosierra Sctr - 118.525 118.525 342.8 342.8 Toledo Superior Sctr - 133.75 136.4
387.45 Villatobas Sctr - 133.2 133.2 136.1 136.1 307.1 307.1 Zamora Inferior Sctr -
136.525 136.525 285.1 285.1 Zamora Superior Sctr - 132.55 285.1 Zaragoza Sctr -
118.525 118.525 119.652 119.652 369.925 369.925 SAR - (R) (E) 3137 4738.5 6737
H-3A-7A-9A, B-15A-16H, I, L-8E-11A, B, C

MADRID/BARAJAS, SP See BARAJAS

MADRID/CUATRO VIENTOS, SP See CUATRO VIENTOS

MADRID/GETAFE, SP See GETAFE

MADRID/TORREJON, SP See TORREJON

MAELLA, SP VORW-DME - HA 112.100 MLA CH 58 N41°07.78' E0°09.91'
1184/(A)2°00.0'W
MLA VOR-DME unuse 047° byd 35 NM blw 6500'
095° byd 45 NM blw 5500'
269° byd 65 NM blw 9000'

H-15A, L-11C

MAGADAN ACC, RS **UHMM (CIV) (R) (V) RDO - OCEANIC Sctr** - 4712 8837
11390. T-2G

MAGALA, SA VORW-DME - HA 116.300 MGA CH 110 N26°17.33' E47°12.42'
1568/(A)1°00.0'E H-14F, L-18E-20G

MAGDEBURG, GM **EDBM CIV** N52°04.42' E11°37.59' 268 UTC+1(+2DT) **L-5C**
(B) **RWY-09** L5,9,50 (3281x98 ASP PCN 36 F/C/W/T) L5,9,17,50 **RWY-27**
2871→

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SERVICE - LGT - PAPI Rwy 09-27 GS 3.3 ° MEHT 12'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1600Z Mon-Fri; 0800-1600Z Sat, Sun and hol, O/T PPR. (0600-1800Z Mon-Fri; 0700-1800Z Sat, Sun and hol, O/T PPR DT). **CAUTION** - Gldr acft using areo tow and cable winch launcher. PJE, ultralgt, airship, balloon act. **NS ABTMT** - Tkof proh before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri; before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/IMG** - CSTMS PPR fone 0391-5074-0 24 hr prior. IMG PPR fone 0391-565491-0 24 hr prior.

COMMUNICATIONS - BERLIN INFO - (E) 132.65 251.375 **BERLIN RADAR** - (R) (E) 124.175 **INFO** - 119.3 386.75 25NM to 4000 ft AGL.

NAVAIDS - MAGDEBURG VORW-DME - HA 110.450 MAG CH 41(Y) (080/50) N51°59.70' E11°47.66' 306° 7.8 NM to Fld. 209/(A)1°00.0'E **MAGDEBURG DME** - T MGD CH 101(Y) (025/10) N52°04.63' E11°37.85' At Fld. 302/1°38.7'E **MAGDEBURG NDB** - MHW 367.000 MU N52°04.44' E11°38.90' At Fld. Unk/1°39.0'E **VHF/DF**

MAHANAIM I BEN YAAKOV, (ROSH PINA) IS LLIB CIV

N32°58.86' E35°34.31' 922 UTC+2(+3DT) **H-13A, L-16F**
RWY-05 (3190x100 ASP) **RWY-23**
RWY-15 L7/43 (3655x100 ASP PCN 15 F/C/Y/T) L7/43 **RWY-33**
3565→ ←3335

REMARKS - Opr 0430-1600Z++ Sun-Thu, 0430-1500Z++ Fri and day before hol, 0700-1600Z++ Sat and hol. **RSTD** - Rwy 05-23 max tkof wt 12,566 lb. **CAUTION** - Gldr act.

COMMUNICATIONS - ROSH PINA TWR - Opr SR-SS. (V) 118.45

NAVAIDS - ROSH PINA VORW-DME - L 115.300 ROP CH 100 N32°58.95' E35°34.36' At Fld. 897/3°48.9'E **ROSH PINA NDB** - HW 243.000 RPN N32°58.02' E35°33.40' 039° 1.1 NM to Fld. Unk/3°48.8'E **VHF/DF**

MAHSHAHR, IR OIAM CIV N30°33.37' E49°09.11' 8 UTC+3:30 H-13C, L-18E

RWY-14 L7 (8874x148 ASP PCN 30 F/D/Y/T) L7 **RWY-32**
←7890

SERVICE - FUEL - (NC-A1)

REMARKS - Opr SR-SS, OT PPR. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - ATIS - (V) 118.65

NAVAIDS - MAHSHAHR VORW-DME - HA 115.800 MAH CH 105 N30°33.38' E49°08.97' At Fld. 8/(A)3°00.0'E

MAIDUGURI, NI DNMA CIV N11°51.32' E13°04.86' 1099 UTC+1 H-11C, L-19B

RWY-05 L3,4,5,10,43 (9846x197 ASP B737) L3,4,5,10,43 **RWY-23**

SERVICE - FUEL - Avbl 0600-1800Z (NC-80,100LL,A1)

REMARKS - Opr 0600-2300Z.

COMMUNICATIONS - TWR - 123.1

NAVAIDS - MAIDUGURI VORW-DME - HA 113.700 MIU CH 84 N11°53.29' E13°07.00' 227° 2.9 NM to Fld. 1102/0°27.0'W

ILS/RADAR - ➔ **ILS-DME** - BRG 049° LCZR IMA 110.3 CH 40 GS 3°

MAIMANA, AF OAMN MIL N35°55.85' E64°45.66' (41SPV5885477705) 2743

UTC+4:30 **H-13D, L-17D**
RWY-14 (5090x76 GVL U21) **RWY-32**

REMARKS - Opr HS.

COMMUNICATIONS - RDO - 118.1

MAINZ FINTHEN, GM EDFZ CIV N49°58.14' E8°08.90' 760 UTC+1(+2DT) L-6G

(B) **RWY-08** L5 (3281x72 ASP AUW 30.8) L5 **RWY-26**
RWY-08R (3281x262 GRS AUW 5.5) **RWY-26L**

SERVICE - FUEL - (NC-100LL, A1)

AIRPORT/FACILITY DIRECTORY B-279

REMARKS - Opr 0700Z++-SS Mon-Fri; 0800Z++-SS Sat, Sun; OT PPR. Fone (06131) 363838. **RSTD** - Copter trng flt in tfc circuit not permitted. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri; before 0800Z++ and aft 1200Z++ Sat, Sun, hol. Ovft of surrounding villages shall be avoided.

COMMUNICATIONS - LANGEN INFO - 119.15 **INFO** - 122.925

MAISACH, GM **DVORW-DME** - HA 108.400 MAH CH 21 (040/50) N48°15.81' E11°18.72' 1759/(A)1°00.0'E (60/50 NW) Ghost freq 108.4 CH 21. **H-6I, L-6H**

MAKEDONIA ACC (ATHINAI FIR/HELLAS UIR), GR **LGMD (E)**
CON - Mesta Sctr - 127.475 Kavala Sctr - 133.875 Skopelos Sctr - 125.350 240.575
277.8 Thessakiniki Sctr - 132.375 240.575 277.8 East Low Sctr 133.575 240.575 277.8
(Freq common to all sctr 132.375 132.375 133.575 133.575) **FIS - INFO - 130.925**
130.925 **Back Up** 129.675 129.675 135.95 135.95.
H-4G-10H-15E-16F, L-12H-14G-15A-16E, T-2E, AACDTD

MAKEDONIA, GR **LGTS** CIV N40°31.18' E22°58.26' 22 UTC+2(+3DT) **H-15D, L-12G**
(B) **RWY-10** L5,9,12,50 (8005x164 ASP PCN 40 F/B/X/U) L2,5,9,11,50 **RWY-28**
←500S (EOR) 500S (331' OVRN) →
RWY-16 L5,9,10,50 (7907x197 ASP PCN 40 F/B/X/U) L5,9,12,50 **RWY-34**

SERVICE - AOE **LGT** - ABn, green coded C. **FUEL** - A1 (EKO Elda Abee, avail 0600 - 2000Z++, fone C30-31-04-73377) (NC-100LL)

REMARKS - RSTD - Tkof dist reduced 196' both rwy to limit jet blast damage to A-G.
CAUTION - Bird haz. Acft Idg Rwy 10-28 make 180° turn to rgt on conc rwy ends.

COMMUNICATIONS - ATIS - Opr 0600-2000Z++ 1 Nov-31 Mar 127.55 **APP - (E)** 120.8 122.1 362.3 **TWR - (E)** 118.1 122.1 257.8 **GND** - 121.7 **REMARKS**: Call on GND for start up and taxi clnc. **CLNC DEL** - 118.05 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - MIKRA TVORW-DME - L 110.800 MKR CH 45 (040/25) N40°31.12' E22°58.19' At Fld. 22/3°24.9'E **THESSALONIKI DVORW-DME** - HA 112.100 TSL CH 58 (150/50) N40°27.42' E22°59.47' 345° 3.9 NM to Fld. 665/(A)1°00.0'E **MIKRA TACAN** - L MKA CH 100 (040/25) N40°31.05' E22°58.60' At Fld. 22/3°25.0'E Opr SR-SS **MIKRA TACAN** - T MIK CH 121 (150/25) N40°27.48' E22°59.50' 346° 3.8 NM to Fld. 22/3°24.8'E **THESSALONIKI NDB** - HHW 345.000 THS N40°35.62' E22°56.89' 167° 4.6 NM to Fld. Unk/3°25.1'E

ILS/RADAR - ILS-DME 16 SEE TERMINAL FLIP FOR ILS-DME 16 DATA ➔ **ILS-DME 10** - BRG 102° LCLZ MAK 109.5 CH 32 GS 3° ■ **RADAR** - 0500-1300Z++ exc wkend and hol. All other times, incl wkend and hol, 30 min PN. ASR 122.0, 344.0 PAR 120.35, 385.4

MALACKY, (KUCHYNA) LO **LZMC** MIL N48°24.12' E17°07.10' 679 UTC+1(+2DT) **H-4E-6J, L-10F**

RWY-02 L50 (8158x185 CON PCN 38 R/B/X/U) L50 **RWY-20**

SERVICE - AOE

REMARKS - Opr SR-SS.

COMMUNICATIONS - APP - (R) 118.25 125.75 **TWR** - 118.25

NAVAIDS - MALACKY NDB - HW 477.000 RP N48°28.47' E17°09.15' 195° 4.6 NM to Fld. Unk/3°00.6'E Opr HO.

MALAGA, SP **LEMG** MIL/CIV N36°40.49' W4°29.95' 52 UTC+1(+2DT) **H-3A, L-11A**
RWY-14 L4,5,33,50 (10500x148 ASP PCN 60 F/B/X/U) L4,5,33,50 **RWY-32**

SERVICE - **LGT** - PAPI Rwy 14 GS 3.2° **FUEL** - A1 (AVCARD, fone C34-91-337-6144)(NC-100LL, J8) **OIL** - 0-128

REMARKS - Opr Mil SR-SS. **RSTD** - NORDO proh. Acft rqr to have VHF freq avbl.

COMMUNICATIONS - ATIS - 120.375 **APP - (R)** 123.85 123.95 118.45 258.7 **TWR - (E)** 118.15 257.8 **GND** - 121.7 **CLR DEL** - 121.85

B-280 AIRPORT/FACILITY DIRECTORY

NAVAIDS - MALAGA DVORW-DME - HA 113.550 MLG CH 82(Y) N36°40.72' W4°30.40'
At Fld. 75/2°20.7'W **MALAGA VORW-DME** - HA 112.000 MGA CH 57 N36°48.86'
W4°22.17' 219° 10.4 NM to Fld. 3396/(A)3°48.1'W **MARTIN DVORW-DME** - HA 112.600
MAR CH 73 N37°03.32' W4°56.39' 140° 31.1 NM to Fld. 2267/(A)3°00.0'W
MALAGA NDB - HW 330.000 RMA N36°39.54' W4°28.60' 314° 1.4 NM to Fld.
Unk/2°20.1'W **VHF/DF**
MLG VOR/DME unuse VOR unuse 280°-350° all alt
VOR unuse 360°-080° all alt
DME unuse 200°-240° all alt -

ILS/RADAR - ILS-DME- 14, 32

MALATYA, TU VORW - HA 112.000 ERH N38°27.80' E38°06.73' 206° 2.0 NM to ERHAC.
2723/(A)4°00.0'E R125-R180, byd 30 NM, blw FL130. R250-R280, byd 20 NM, blw FL190.
H-13A, L-15C

MALAYER, IR VORW-DME - HA 112.100 MAL CH 58 N34°20.51' E48°45.12'
6312/(A)3°00.0'E
MAL VOR-DME unuse byd 20NM blw 11,000'
H-13C, L-17A

MALBORK, PL EPMB MIL N54°01.62' E19°08.05' 16 UTC+1(+2DT)
H-8F-2H-5E, L-2G-21B
RWY-08 L6A (8202x197 CON PCN 57 R/C/W/T) **L6A RWY-26**
SERVICE - FUEL - Opr 0600-1500Z++(NC- A1)
COMMUNICATIONS - INFO - 124.5

MALLAM AMINU INTL, (KANO) NI DNKN MIL/CIV N12°02.86' E8°31.48' 1562
UTC+1 **L-19C**
(B) **RWY-05 L11,43,55** (8040x148 ASP) **L12,43,55 RWY-23**
7548→
RWY-06 L2,3,4,5,10 (10831x197 ASP DC10) **L2,3,4,5,11,50 RWY-24**
SERVICE - AOE FUEL - (NC-J)
REMARKS - MISC - Rwy 05-23 VMC only.
COMMUNICATIONS - APP - 118.1 124.9
NAVAIDS - KANO VORW-DME - HA 112.500 KAN CH 72 N12°02.15' E8°29.76' 067°
1.8 NM to Fld. 1589/1°16.2'W **VHF/DF**
ILS/RADAR - ➔ ILS - BRG 047° LCZR IKN 108.7 GS 3.2° ➔ **ILS** - BRG 064° LCZR IKN 109.5 GS
3° ➔ **ILS** - BRG 244° LCZR IKK 109.5 GS 3°.

MALLORCA, SP See SON BONET

MALMEN, (LINKOPING MALMEN) SW ESCF MIL (CIV) N58°24.14' E15°31.54' 308
UTC+1(+2DT) **H-2G, L-2F**
RWY-01 L2,5,33,50 (7265x115 ASP PCN 26 F/B/X/T) **L2,5,11,50 RWY-19**
←J-BAR UNK (360' OVRN) J-BAR UNK (617' OVRN) →
RWY-08 L5 (6135x121 ASP PCN 24 F/B/X/T) **L5,50 RWY-26**
SERVICE - LGT - Mil PAPI Rwy 01, 19 and 26 GS 2.86°, Civ PAPI Rwy 19 GS 3.2° MEHT 52.5.
FUEL - (NC-100LL)
REMARKS - Opr 0630-1515Z++ Mon-Thu, 0630-1300Z++ Fri. **RSTD** - PPR, opr fone C+46
(0)13 28 38 00.
COMMUNICATIONS - OSTGOTA APP - Opr 0455-2300Z++ Mon-Fri, 0530-2230Z++ Sat,
0530-2300Z++ Sun and hol. (R) (E) 132.95 135.85 126.4 **REMARKS:** Svc reduced or clsd hol
and day before. **TWR** - (E) 129.8 132.6 121.05 **GND** - 121.85
NAVAIDS - VHF/DF
ILS/RADAR - ➔ILS-DME - BRG 196° LCZR CFB 110.10 GS 3.2° CH 38 **RADAR** - PAR - Call
Precision - Opr HX 125.2.

AIRPORT/FACILITY DIRECTORY B-281

MALMO ACC, SW **ESMM** (CIV) **CON - (R) (V)** 118.0 118.95 124.15 124.4 124.85
127.75 128.05 128.17 128.62 135.8 136.3 **PMSV: METRO** - 122.6 **VHF/UHF/DF**
H-2G-5D, L-2F, G

MALMO STURUP, SW See STURUP

MALPENSA, (MILANO MALPENSA) IT **LIMC** CIV N45°37.84' E8°43.69' 767

UTC+1(+2DT) **H-7C, L-9B**
(B) **RWY-17L** L2,4,5,9,11,50 (12861x197 ASP PCN 100 F/A/W/T) L2,3,4,5,9,11,50 **RWY-35R**
9767→
RWY-17R L2,4,5,9,50 (12861x197 ASP PCN 91 F/A/W/T) L2,4,5,9,11,50 **RWY-35L**
←11532

SERVICE - AOE **LGT** - PAPI Rwy 17L MEHT 59', 35R MEHT 71', 17R, 35L MEHT 70'.

FUEL - (NC-100LL, A1)

REMARKS - **RSTD** - Rwy 17L/35R clsd dly 0100-0200Z++; Rwy 17R/35L clsd dly 0200-0300Z++ due to visual aids maint. ILS gndck ev Tue; Rwy 35L/17R clsd 2100-2200Z++; Rwy 35R/17L clsd 2200-2300Z++. Twy BA used only to enter Rwy 17R, acft max cat D, and max wingspan 157'. Twy GS proh to acft with wingspan greater than 79'.

CAUTION - Lo level wind shear possible. Some ILS users rpt false LOC capture. Multi cranes in vcnty of arpt. **NS ABTMT** - Dur tkof climb std ns abtmt pro estab by opr in compliance with acft opr manual must be applied. APU not auth til 60 min before ETD or 20 min aft ATA. **MISC** - Low vis special taxi pro in use.

COMMUNICATIONS - **ATIS** - 120.025 121.625 (120.025 ARR)(121.625 DEP)

MILANO APP - Opr 0600-2200Z++ **(R) (E)** 132.7 125.275 374.875 231.9 233.4

TWR - (E) 119.0 128.35 257.8 (119.0 Rwy 17L-35R)(128.350 Rwy 17R-35L) **GND** - 121.9 121.825 (121.9 WEST) (121.85 NORTH avbl 0600-1200Z, 1400-2200Z)

MILANO DEP - 126.75 126.3 (126.75 NORTH DEP) (126.3 SOUTH DEP avbl 0600-2200Z++)

CLNC DEL - Opr 0600-2200Z++ 120.9

NAVAIDS - **MALPENSA TVORW-DME** - HA 111.200 MAL CH 49 (025/10) N45°38.56'

E8°44.07' At Fld. 768/0°57.2'E **MALPENSA NDB/LOM** - MHW 364.000 MAL N45°32.75' E8°45.38' 346° 5.2 NM to Fld. Unk/0°57.7'E **VHF/DF**

MAL VOR-DME MRA 25 NM 020°-070° 6000'

070°-140° 4000'

140°-240° 2000'

240°-280° 4000'

280°-020° 8000'

100°-275° 4000'

MAL NDB MRA 25 NM

MAL NDB unuse

R-360 4000'
R-360 byd 25 NM

ILS/RADAR - ➔**ILS-DME** 35L - BRG 349° LCZR I-MA 109.1 CH 28 GS 3° O/S UFN. ➔**ILS** 35R - BRG 349° LCZR MLP 109.9 GS 3°. ➔**ILS** 17L - BRG 169° LCZR IAM 109.9 GS 3° BC unuse.

MALTA ACC, MT **LMMM** (CIV) **CON/RADAR** - **MALTA WEST -(R)(V)-** 128.7 129.4 130.975 285.5x **MALTA EAST -(R)(V)-** 5661(SELCAL) 10084(SELCAL) 118.975 129.1 285.5x Radar MP 0700-1100Z++ Wed. **H-9D-10E, F-15D, L-14F, G, H**

MALTA, MT **NDB** - HW 395.000 MLT N35°48.93' E14°31.75' 315° 3.6 NM to LUQA. Unk/1°52.4'E MP 0800-1100Z++ Sat. **DME** - L LM CH 42 N35°50.23' E14°30.17' 315° 1.7 NM to LUQA. 300/1°52.2'E MP 0600-1000Z++ Thu. **H-10E-15C, L-14F**

MANANTALI, ML **NDB** - HW 239.000 MNT N13°15.04' W10°31.02' Unk/6°15.7'W Opr O/R to GABS DYX. **L-19A**

MANCHESTER SUB - CENTER ATCC, UK **EGCC** (CIV) **CON** - (FL 175 and blw) (119.4 121.35x Manchester Radar) 124.2 (125.1 Initial ctc W of Bartn NCRP) (126.65 Initial ctc E of Bartn NCRP) 133.05 133.4x **LONDON CON** - (Abv FL 175) (128.05 Initial ctc W of Bartn NCRP) (131.05 Initial ctc E of Bartn NCRP) **PENNINE RADAR** - (Northern RADAR Advisory Service Area S of W911D, 0700-2100Z++) 128.675 **L-3A, C, T-1B**

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MANCHESTER, UK EGCC CIV N53°21.22' W2°16.50' 257 UTC 0(+1DT)

H-3D-5A, L-3C, T-2F

RWY-06L L3,4,5,33,50

(10000x150 ASP PCN 94 F/C/W/T)

L3,4,5,33,50 **RWY-24R**

8599→

←9400

RWY-06R L4,5,33,50

(9997x150 CON PCN 79 R/C/W/T)

L4,5,33,50 **RWY-24L**

9393→

←9393

SERVICE - AOE **FUEL** - (NC-100LL, A1) **OIL** - O-123-128-156

REMARKS - **RSTD** - PPR. Dur lo vis Rwy 06L-24R hi speed exit twy not avbl wo gnd movement RADAR unless inst by ATC. Start up clnc rqr. All areas S of Rwy 06L-24R are clsd to acft opr. **CAUTION** - Acft equipped with rdo altimeter may experience large alt indication fluctuations when on final for Rwy 06L. Bird haz Apr-Sep.

COMMUNICATIONS - **ATIS** - 128.175 121.975 **APP** - (R) (V) 135.0 118.575 121.35 (Call RADAR 119.4 118.575)(Call Director 121.35) **TWR** - (V) 118.625 119.4 **GND** - 121.85 121.7 125.375D (121.85 0630-2200Z++, 121.7 OT) **CLNC DEL** - Opr 0700-2200Z++ Call DELIVERY 121.7

NAVAIDS - **MANCHESTER VORW-DME** - HA 113.550 MCT CH 82(Y) (090/50) N53°21.42' W2°15.73' At Fld. 282/(A)5°00.0'W Interference fr lcl rdo stn btn R-010 and R-050 to 50 NM **MANCHESTER NDB** - HHW 428.000 MCH N53°21.20' W2°16.38' At Fld. Unk/3°25.9'W

ILS/RADAR - ➔ **ILS-DME** - 06L BRG 056° LCZR I-MM 109.5 CH 32 GS 3° ➔ **ILS-DME** - 06R BRG 056° LCZR I-RR 111.55 CH 52 (Y) GS 3° ➔ **ILS-DME** - BRG 236° LCZR I-NN 109.5 CH 32 GS 3°.

MANCHESTER WOODFORD, UK EGCD CIV N53°20.28' W2°08.93' 295

UTC 0(+1DT) **H-3D-5A, L-3C, T-2F**

(B) **RWY-07** L5,50

(7519x151 ASP PCN 43 R/C/W/T)

L5,50 **RWY-25**

6761→

←5481

SERVICE - **LGT** - ABn, green coded WF. PAPI Rwy 25 GS 3.6°. **FUEL** - (PN REQ, NC-100LL, A1)

REMARKS - Opr 0850-1625Z++ Mon-Thu, 0850-1530Z++ Fri. **RSTD** - PPR. NORDO proh. **CAUTION** - Unlgtd obst sur aprt.

COMMUNICATIONS - **APP** - (R) 130.75 **TWR** - 120.7

ILS/RADAR - ➔ **ILS-DME** - BRG 250° LCZR I-WU 109.15 CH 28(Y) GS 3.6° Lczz flag may occur byd 17 NM when more than 8° left of course blw 4300'. False Lczz captures may be exp by certain autopilot's when initiating capture outside 28° left of centre-line. ■ **RADAR** - ASR - Call RADAR 130.05

MANDELIEU, FR LFMD CIV N43°32.52' E6°57.21' 13 UTC +1(+2DT) **H-7C-15B, L-11D**

RWY-05

(2493x98 ASP AUW44)

RWY-23

2165→

←2395

RWY-17 L7,9,50

(5282x148 ASP PCN 16 F/B/W/T)

L7,9,50 **RWY-35**

4889→

←4134

SERVICE - **LGT** - PAPI Rwy 17 GS 4° MEHT 55'. PAPI Rwy 35 GS 4° MEHT 46'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0800-2000Z win, 0700Z-SS+30 sum. **CAUTION** - PAPI does not provide obst clnc for Rwy 17 byd 6 NM fr thld.

COMMUNICATIONS - **CANNES ATIS** - 127.475 **CANNES TWR** - 118.625 **CANNES GND** - 121.8

NAVAIDS - **CANNES VORW** - HA 111.400 CNM (040/50) N43°33.62' E6°52.26' 108° 3.8 NM to Fld. Unk/(A)1°00.0'W (60/50 225°-315°, 80/50 315°-045°) **VHF/DF**

MANEUVER AIRDROME NR 1, PO See OVAR

MANISES AB, SP See VALENCIA

AIRPORT/FACILITY DIRECTORY B-283

MANNHEIM CITY, (MANNHEIM NEUOSTHEIM) GM **EDFM** CIV

N49°28.36' E8°30.86' 309 UTC+1(+2DT) **L-6G**
(B) **RWY-09** L5,50 (3497x82 ASP PCN 18 F/A/X/T) L5,20,50 **RWY-27**
3478→ ←3323
RWY-09L (2297x98 GRS) **RWY-27R**
2051→ ←2215
SERVICE - LGT - PAPI Rwy 09-27 GS 4°. **FUEL -** (NC-100LL, A1) **FLUID -** SP. De-Ice avbl.
REMARKS - Opr 0500-2000Z++ Mon-Fri; 0700-1900Z++ Sat, Sun, and hol; OT PPR. **NS**
ABTMT - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft
1200Z++ Sat, Sun, hol. **CSTMS/IMG -** Avbl - 30 min PN. **MISC -** Class D Airspace eff
0500-2100Z++, OT PPR.
COMMUNICATIONS - ATIS - Opr 0450-2050Z++. 136.55 **LANGEN RADAR -** 127.5
386.8 **COLEMAN APP -** 130.5 **TWR -** Opr 0500-2000Z++ 118.4
COLEMAN TWR - 122.1 **INFO -** 118.4 122.5
NAVAIDS - MANNHEIM DME - T MND CH 82(Y) (015/10) N49°28.24' E8°30.96' At Fld.
351/0°46.8'E **VHF/DF**
ILS/RADAR - LOC-DME

MANSTON, UK **EGMH** CIV N51°20.53' E1°20.77' 178 UTC 0(+1DT) **H-6F, L-4H**

(B) **RWY-10** L5,23,50 (9029x200 ASP PCN 53 F/C/W/T) L5,23,50 **RWY-28**

SERVICE - AOE LGT - ABn, red coded MN. **FUEL -** (NC-100LL, A1) **OIL -** O-123-128
REMARKS - Opr 0900-1800Z++; OT by arng. **RSTD -** NORDO proh. PPR H24.
COMMUNICATIONS - ATIS - 133.675 **APP RADAR - (R)** 126.35 119.925 129.45
TWR - 119.925
NAVAIDS - VHF/DF
ILS/RADAR - ➔ ILS-DME - BRG 283° LCZR I MSN 111.75 CH 54(Y) GS 3° LCTR MTN 347 ➔
LOC - BRG 103° LCZR MOZ 111.75 **■ RADAR -** ASR - Call RADAR 126.35.

MANU DAYAK, (AGADES) NG **DRZA** CIV N16°57.96' E8°00.01' 1657 UTC+1

H-11D-12E, L-19C

RWY-07 L50,55 (9843x98 ASP PCN 54 F/C/W/T) L55 **RWY-25**
SERVICE - FUEL - Avbl 0630-1130Z, 1400-1700Z Mon-Sat; OT O/R 24 hr PN. (NC-100LL, A1)
REMARKS - Opr 0530-1730Z. **CSTMS/IMG -** Avbl.
COMMUNICATIONS - AGADES TWR - (V) 118.1 **REMARKS:** Provides APP.
NAVAIDS - AGADES VORW - HA 113.500 AS N16°58.50' E8°01.39' 248° 1.4 NM to Fld.
1673/0°39.4'W **AGADES NDB -** MHW 340.000 AS N16°57.38' E7°58.49' 068° 1.6 NM
to Fld. 1716/0°40.1'W

MARADI, NG **DRRM** CIV N13°30.15' E7°07.61' 1240 UTC+1 **L-19C**

RWY-09 (6070x98 ASP B737) **RWY-27**
REMARKS - Opr 0500-1730Z O/R 24 hr PN to DRRNANYX.
COMMUNICATIONS - AFIS - 118.1
NAVAIDS - MARADI NDB - HW 284.000 MY N13°30.05' E7°06.54' At Fld. 1299/1°18.3'W

MARCE, FR **LFJR** CIV N47°33.62' W0°18.73' 194 UTC+1(+2DT) **H-7A, L-7B**

RWY-08 L1,5,50 (5906x148 ASP PCN 23 F/C/W/T) L1,5,9 **RWY-26**
←5414
SERVICE - LGT - PCL PPR to AFIS prev bus day. **FUEL -** Avbl 0700-1800Z++ Mon-Fri. OT
O/R before 1600Z++.(NC-100LL, A1)
REMARKS - Opr 0700-1800Z++ Mon-Fri; 0900-1100Z++, 1300-1700Z++ Sat, Sun and hol.
RSTD - NORDO proh. **CSTMS/AG/IMG -** Avbl 0700-1900Z++ Mon-Fri; O/R thru ANGERS
INFO prev day before 1700Z++ for Sat, Sun and hol.
COMMUNICATIONS - ANGERS INFO - 119.0
ILS/RADAR - ➔ ILS-DME - BRG 264° LCZR AS 108.9 CH 26 GS 3.0°

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MARCILLAC, FR **LFCR** CIV N44°24.47' E2°28.96' 1910 UTC+1(+2DT) **H-7B, L-8G-11C**
RWY-13 L1,5,9,50 (6693x148 ASP PCN 51 F/A/W/T) L1,5,9,23 **RWY-31**
←6529

SERVICE - LGT - Pilot ctl lgt O/R to Arpt Manager. PAPI Rwy 13 GS 3.5°. **FUEL** - Avbl
0500-2100Z++ Mon-Fri; 0500-1100Z++ Sat; 1230-2100Z++ Sun and hol. OT O/R prev bus
day prior to 1400Z++. (NC-100LL, A1)

REMARKS - Opr 0500-2100Z++ Mon-Fri; 0500-1800Z++ or SS+30 Sat; 0800-2100Z++ Sun
and hol. **CSTMS/IMG** - O/R before 1400Z++ Tue for Sat and hol and 1400Z++ Fri for Sun
and Mon.

COMMUNICATIONS - RODEZ APP - Opr 0515-2100Z++ Mon-Fri; 0515Z++-SS+30 or
1745Z++ Sat; 0900-2100Z++ Sun and hol (**R**) 125.375 **RODEZ TWR** - Opr 0515-2100Z++
Mon-Fri; 0515Z++-SS+30 or 1745Z++ Sat; 0900-2100Z++ Sun and hol 118.125

NAVAIDS - VHF/DF

ILS/RADAR - ➔ **ILS-DME** - BRG 310° LCZR RDE 110.75 CH 44(Y) GS 3° ■ **RADAR** - ASR-Call
Rodez RADAR 125.375

MARCO POLO INTL, IT See VENEZIA TESSERA

MARDIN, TU **LTCR** CIV N37°13.40' E40°37.90' 1729 UTC+2(+3DT) **H-13A, L-15C**
(B) **RWY-03** L7,50 (8204x118 CON PCN 80 R/B/X/T) L7,14,50 **RWY-21**

REMARKS - Opr by NOTAM.

COMMUNICATIONS - TWR - 118.65 121.9 337.625

NAVAIDS - MARDIN VORW-DME - HA 116.900 MRD CH 116 N37°13.66' E40°38.32'
At Fld. 1729/4°35.0'E **MARDIN NDB** - MHW 403.000 MRD N37°13.66' E40°38.32' At Fld.
1729/4°35.0'E
MRD VOR/DME unuse 082°-240°
290°-330° byd 25NM blw 10000ft -

MARHAM, UK **EGYM** MIL N52°38.90' E0°33.04' 75 UTC 0(+1DT) **H-5B-6F, L-4G**
(B) **RWY-01** L7,50 (6086x300 CON PCN 25 R/B/W/T) L7,50 **RWY-19**
RWY-06 L5,24,50 (9140x200 ASP PCN 43 R/B/W/T) L5,24,50 **RWY-24**
→RHAG (EOR) HOOK RHAG(B) (2100') HP-NET RHAG(B) (1600') HP-NET RHAG (EOR) ←

SERVICE - LGT - ABn, red coded MR. PAPI both rwy GS 2.5°. **A-GEAR** - Nml opr: apch cable
down, ovrn cable up. **JASU** - 1(C5) 1(E1) 1(E4) 1(E6) 1(E7) 1(E12) 1(E15) 1(A4) **FUEL** -
A1+ **FLUID** - LHOX LOX OXRB De-Ice (with PN). **OIL** - O-117-128 **TRAN ALERT** - Ltd
emerg and acft handling dur off duty hr.

REMARKS - Opr 0800-2359Z++ Mon-Thu, 0800-1800Z++ Fri (24 hr PPR). **CAUTION** - Bird
haz.

COMMUNICATIONS - ATIS - 277.225 **APP - (R) (E)** 124.15 233.075 362.75 362.3X
DIRECTOR - 124.15 377.475 344.0X **TWR - (E)** 122.1X 281.15 257.8X **GND** - 389.4
OPS - 284.0

NAVAIDS - MARHAM TACAN - T MAM CH 24 N52°38.84' E0°33.20' At Fld. 75/2°11.8'W
Unlocks experienced btn 090-135°. **VHF/UHF/DF**

ILS/RADAR - **ILS RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

MARIB, YM **NDB** - HHW 271.000 MRB N15°28.10' E45°19.70' Unk/1°34.1'E Opr SR-SS
H-14F, L-20G

MARIBOR, SI **LJMB** CIV N46°28.79' E15°41.17' 876 UTC+1(+2DT) **H-4E, L-10E**
RWY-15 L4,5,9,50 (8202x148 ASP) L4,5,9,12,50 **RWY-33**
RWY-15L (3937x197 GRS) **RWY-33R**

SERVICE - AOE LGT - PAPI Rwy 15 GS 3.2°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0600-1600Z (0700-1500 sum) Mon-Fri, 0600-1600Z (0600-1700 sum) Sat,
Sun. OT 24 hr PN.

COMMUNICATIONS - APP - (V) 119.2 Outside opr hr ctc LJUBLJANA APP 118.75.
TWR - 119.2

NAVAIDS - MARIBOR NDB - MHW 334.000 MR N46°22.29' E15°47.59' 324° 7.9 NM to Fld.
768/2°35.4'E **VHF/DF**

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ILS/RADAR - ➔ ILS BRG 325° LCZR MAR 110.1 GS 3°

MARIE, FI **DVORW-DME** - HA 114.700 MAR CH 94 N60°08.46' E19°54.87' 199° 1.2 NM to MARIEHAMN. 118/(A)2°00.0'E **H-2H, L-2G**

MARIEHAMN, (ALAND ISLAND) FI Aland I **EFMA** CIV N60°07.33' E19°53.89' 17

UTC+2(+3DT) **H-2H, L-2G**

RWY-03 L5,50

(6243x197 ASP PCN 40 F/A/X/T)

L5,33,50 **RWY-21**

SERVICE - AOE **LGT** - PAPI Rwy 03 GS 3.9°, PAPI Rwy 21 GS 3.5°. **FUEL** - 1 hr PN rqr.
(NC-100LL, A1) **FLUID** - De-Ice O/R.

REMARKS - Opr HO. **MISC** - Class D airspace eff twr hr, OT Class G.

COMMUNICATIONS - **ATIS** - Opr H24. 114.7 **TWR** - (V) 119.6 119.7

NAVAIDS - **MARIE DVORW-DME** - HA 114.700 MAR CH 94 N60°08.46' E19°54.87' 199° 1.2 NM to Fld. 118/(A)2°00.0'E **VHF/DF**

ILS/RADAR - ➔ ILS BRG 199° LCZR MA 110.9 GS 3.5° LOM GDY 392 LI S 305.

MARINA DI CAMPO, IT **LIRJ** CIV N42°45.62' E10°14.37' 31 UTC+1(+2DT) **L-12E**
RWY-16 (3114x75 ASP PCN 12 F/C/W/U) **RWY-34**

2635→

←2829

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0800-1530Z (0600-1800Z DT).

COMMUNICATIONS - **AFIS** - (V) 123.7

MARITSA, GR **LGRD** CIV N36°22.98' E28°06.53' 204 UTC+2(+3DT)

H-10H-15E, L-14H-15A

(B) **RWY-08**

(7874x148 ASP)

RWY-26

RWY-14

(CLSD 3937x197 ASP)

RWY-32

REMARKS - Opr HO by NOTAM. **CAUTION** - Fst 1300' Rwy 08 not vis fr twr. Rwy 14-32 considered unuse due to sinking ASP. **CSTMS/AG/IMG** - Avbl SR-SS 1 hr PN.

COMMUNICATIONS - **RODOS APP** - (E) 120.6 381.0 257.8 **TWR** - 118.1

MARKA INTL, (KING ABDULLAH AB) JO **OJAM** MIL/CIV N31°58.36' E35°59.49' 2555

UTC+2(+3DT) **H-13A-16G, L-16F**

(B) **RWY-06** L3,4,7,9,50

(10745x148 ASP PCN 55 F/C/W/U)

L3,4,7,33,50 **RWY-24**

SERVICE - AOE **FUEL** - A1(Caltex - Jordan Petrol, JOPETROL, fone C962-6-445-2267/8
(NC-100LL)

REMARKS - **RSTD** - Acft Idg Rwy 06 or dep Rwy 24 avoid Royal Palace and bcst stn.

CAUTION - Dly btn 1400-1930Z++ be aware of laser posn aprx 5 NM SW of MARKA. Rad 500' avoid looking at or flying over area, blw 3500'. **NS ABTMT** - Acft with AUW more than 12,566 lb dep fr Amman/Marka Rwy 24 shall climb with tkof thrust to 4000' at V2 + 10kts. At 4000' QNH reduce to climb thrust and cont at V2+10kts. At 5500' QNH accelerate to normal tkof speed. **MISC** - ATIS for all rwy fone C 06/44551489,90,91,92.

COMMUNICATIONS - **AMMAN APP** - (V) 128.9 **AMMAN TWR** - (V) 118.1

AMMAN GND - Opr 0600-1200Z++ 121.7

NAVAIDS - **AMMAN DVORW-DME** - L 116.300 AMN CH 110 N32°00.24' E36°03.96' 244° 4.2 NM to Fld. 2264/3°43.3'E **AMMAN NDB/LOM** - HW 391.000 JYO N32°00.29' E36°03.93' 243° 4.2 NM to Fld. Unk/3°43.4'E

ILS/RADAR - **ILS-DME** 24

M ARLOTTA, IT See GROTTAGLIE

MARMUL, MU **OOMX** PVT N18°08.16' E55°10.93' 925 UTC+4 **H-14G, L-20H**

RWY-06

(5782x175 GVL)

RWY-24

RWY-13

(8635x190 GVL)

RWY-31

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NAVAIDS - MARMUL VORW-DME - HA 114.300 MRL CH 90 N18°08.53' E55°10.67' At Fld. 920/(A)0°0.0'E Unmto. **MARMUL NDB** - HHW 337.000 OA N18°10.00' E55°14.00' 238° 3.5 NM to Fld. 890/0°23.8'E Not approved for IFR operations. Use of this fac is at the risk of the user and the DGCAM accepts no responsibility for their use.

MARRAKECH, MO VORW-DME - HA 113.300 MAK CH 80 N31°36.77' W8°06.18' 100° 3.4 NM to MENARA. 1470/(A)6°0.0'W **NDB** - HHW 267.000 CNZ N31°36.03' W7°57.87' 276° 3.7 NM to MENARA. 1686/3°24.0'W **H-9A, L-13B**

MARRAKECH MENARA, MO See MENARA

MARSA ALAM INTL, EG HEMA CIV N25°33.43' E34°35.02' 251 UTC+2(+3DT)
H-12H-14E, L-20F
RWY-15L6 (9843x148 ASP PCN 54 F/A/W/T) **L6,12,50 RWY-33**

SERVICE - FUEL - (NC - A1)

REMARKS - CSTMS/AG/IMG - Avbl.

COMMUNICATIONS - APP - (V) 121.0 **TWR - (V)** 121.0 **GND** - 121.9 **FIRE** - 121.9

NAVAIDS - MARSA ALAM VORW-DME - HA 115.500 MAK CH 102 N25°34.97' E34°33.93' 147° 1.8 NM to Fld. 265/3°8.0'E

MARSA BREGA, LY NDB - HHW 403.000 MB N30°25.10' E19°34.35' Unk/2°12.4'E
H-10F, L-14G

MARSEILLE ACC/FIC, FR LFMM (CIV) (R) CON- AJ Sctr -129.25, **BT Sctr** -130.95, **D1 Sctr** -124.3, **LE Sctr** -126.7, **LO Sctr** -123.8, **LS Sctr** -128.325, **ML Sctr** -128.85, **MN Sctr** -127.9, **MO Sctr** -123.9, **ST Sctr** -126.15. **FIS** - NORTH INFO -124.5, SOUTH INFO -120.55. Avbl 0800Z++ -SS+30 but not later than 1700Z (1800Z sum).
L-8G, H-9A-11C, D-12E

MARSEILLE UACC, FR LFMM (CIV) (R) CON - A1 Sctr -131.0 378.65, **A2 Sctr** -134.26, **A3 Sctr** -135.29, **B1 Sctr** -125.65 233.3, **B2 Sctr** -132.49, **B3 Sctr** -134.705, **D1 Sctr** -124.3 282.2, **D2 Sctr** -126.465, **D3 Sctr** -132.01, **E1 Sctr** -135.925 369.1, **E2 Sctr** -127.18, **F1 Sctr** -133.325 356.15, **F2 Sctr** -132.89, **F3 Sctr** -134.59, **G1 Sctr** -135.4 250.85, **G2 Sctr** -133.235, **G3 Sctr** -118.88, **K1 Sctr** -127.825 372.4, **K2 Sctr** -123.53, **M1 Sctr** -126.25 278.3, **M2 Sctr** -127.84, **M3 Sctr** -133.88, **Y1 Sctr** -133.425 371.75, **Y2 Sctr** -132.005, **Y3 Sctr** -128.78, **W1 Sctr** -134.1 281.05, **W2 Sctr** -124.015. **W3 Sctr** -132.255. As directed by UAC - 124.55, 340.25 **H-7B, C, D-15A, B**

MARSEILLE/PROVENCE, FR VORW-DME - HA 108.800 MRM CH 25 (060/50) N43°22.64' E5°19.59' 305° 6.0 NM to PROVENCE. 771/0°09.6'E (100/50 090°-270°)
NDB - MHW 383.000 MAR N43°29.39' E5°08.23' Unk/0°06.4'E **NDB** - MHW 406.000 MJ N43°26.35' E5°13.05' Unk/0°07.8'E **NDB** - MHW 395.000 OB N43°13.79' E5°39.93' Unk/0°15.1'E **VHF/DF H-7B, 15B, L-11D**

MARSHALL CENTER LANDING AREA, GM See
SHERIDAN BARRACKS LANDING AREA

MARTIGUES, FR VORW-DME - HA 117.300 MTG CH 120 (100/50) N43°23.18' E5°05.21' 650/(A)1°00.0'W **H-7B-15B, L-11D**

MARTIN, SP DVORW-DME - HA 112.600 MAR CH 73 N37°03.32' W4°56.39' 140° 31.1 NM to MALAGA. 2267/(A)3°00.0'W **H-16H, L-13C**

MASHHAD INTL, (SHAHID HASHEMI NEJAD INTL) IR OIMM MIL/CIV
N36°14.11' E59°38.46' 3263 UTC+3:30 **H-13D, L-17C**
(B) **RWY-14L** L5,12,50 (12503x148 ASP PCN 60 F/B/X/T) **L5,11,50 RWY-32R**
HOOK UNK(B) (3486') **HOOK UNK** (176' OVRN) →61QSII UNK (216' OVRN) →
RWY-14R L5,12,50 (12877x148 ASP PCN 60 F/B/X/T) **L5,12,50 RWY-32L**

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SERVICE - FUEL - (NC-100LL, A1)

REMARKS - CAUTION - Animal and bird haz. **TFC PAT** - Rwy 14L/R not avbl for ldg 1830-0330Z unless tailwind component exceeds 10 Kt for Rwy 32L/R.

COMMUNICATIONS - ATIS - Opr 0200-2000Z. 126.4 **APP - (V)** 127.3 353.8

TWR - (U) 118.1 121.7 121.9 257.8

NAVAIDS - MASHHAD VORW-DME - HA 114.000 MSD CH 87 N36°13.87' E59°39.03'

At Fld. 3264/(A)3°0.0'E **MASHHAD TACAN** - HA MSD CH 56 N36°13.99' E59°38.91'

At Fld. 3246/3°44.0'E **MASHHAD NDB** - HW 385.000 MSD N36°13.72' E59°38.23' At Fld.

3270/3°44.0'E **UHF/DF**

MSD TACAN unuse

200°-240° byd 10 NM blw 12,000'

240°-280° byd 20 NM blw 15,000'

ILS/RADAR - ➔ ILS-DME - BRG 310° LCZR IMSD 109.9 CH 36 GS 3° ■ **RADAR - (V)** RADAR - 127.3 353.8

MASIRAH, (MASIRAH ISLAND) MU **OOMA MIL** N20°40.53' E58°53.43' 64 UTC+4

H-14H, L-20H

(B) **RWY-07** L5,43

(8446x148 ASP)

L5,11,43 **RWY-25**

←NET UNK (30' OVRN) HOOK BEFAB(B) (1024')

HOOK BEFAB(B) (1024') NET UNK (26' OVRN) →

RWY-17 L5,10,50

(10005x148 ASP PCN 75 F/B/W/T)

L5,50 **RWY-35**

←NET UNK (40' OVRN) HOOK BEFAB(B) (1800')

HOOK BEFAB(B) (1800') NET UNK (45' OVRN) →

SERVICE - FUEL - (NC-100LL, A1) **OIL** - AvOil

REMARKS - RSTD - Trans acft are not permitted to arr before 0300 and must dep before 1300. Acft will not be apv to land wo DIP clearance. Req accepted NET 72 hr prior. CTC USDAO (Air Ops) C 011-968-698-479 or US Embassy C 011-968-698-989. 24 hr svc for IFE acft. Ctc Muscat Center ASAP to effect coordination. Haz cargo prk extremely ltd. All inbd acft must ctc TWR 30 min prior to arr. Aircrews ensure nav lgts are on 10 NM prior to arr and after dep. Ensure ldg lgt are on 5 NM prior to arr and before dep. All otbd FPL must be filed in person with Omani OPS (C 011-968-322-341). Aircrews ctc APP 121.3 294.0 for FPL assistance after arrival if needed. S Apron-3, lgt poles 120' lctd 40' fr the W edge, spaced equidistantly. Parl Twy btn 07/25 and Twy Bravo ltd to acft of wing span less than 170'. **ILS** - ILS17 no DME to middlemarker. **RWY** - Rwy 17/35 acft are to begin dep 1,000' byd thld if able. Rwy 17/35 A-G req 25 min PN.

COMMUNICATIONS - APP - (E) 121.3 294.0 **TWR** - 118.15 265.0 **GND** - Assigned by ATC only. 121.65 304.4 **CMD POST** - 308.85

NAVAIDS - MASIRAH ISLAND VORTACW - HA 113.800 MRH CH 85 N20°40.46' E58°53.77'

At Fld. 80/0°19.9'E **MASIRAH NDB** - HW 343.000 MR N20°40.65' E58°53.09' At Fld.

135/0°20.0'E

ILS/RADAR - ILS-DME 17

MASJED SOLEIMAN, IR **NDB** - HHW 391.000 MIS N31°55.76' E49°19.63'

Unk/3°19.1'E **H-13C, L-18E**

MASSAWA INTL, ER **HHMS CIV** N15°40.20' E39°22.21' 194 UTC+3 **H-14F, L-20F**

(B) **RWY-07** L11,50,55

(11384x148 CON PCN 50 R/A/W/T)

L11,50,55 **RWY-25**

SERVICE - FUEL - (NC-A1).

COMMUNICATIONS - APP - Opr 0400-0900Z, 1200-1500Z (V) 123.9 **TWR** - Opr 0400-0900Z, 1200-1500Z 118.3 121.9

NAVAIDS - MASSAWA NDB - MHW 230.000 MS N15°39.94' E39°18.95' 086° 3.1 NM to Fld. Unk/2°16.2'E

ILS/RADAR - ➔ ILS-DME - BRG 073° LCZR IMS 110.5 CH 42 GS 3°

MATACAN, SP See SALAMANCA

MATAM/OURO SOGUI, SG **NDB** - HW 384.500 MA N15°35.20' W13°18.77'

144/6°53.5'W Reg sked flt 45 min before arr, non-sked flt O/R 3 hr PN. Sun and hol O/R before 1700Z prev day. **L-19A**

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MATTARELLO, (TRENTO MATTARELLO) IT **LIDT** CIV N46°01.28' E11°07.45' 610

UTC+1(+2DT) **L-9C**

RWY-18 L7,50

(3215x98 ASP SWL35)

L7 RWY-36

SERVICE - LGT - PAPI Rwy 18 GS 4.5° MEHT 28'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0730Z++-SS, not after 1900Z++. **CAUTION** - Hvy gldr act wkend.

COMMUNICATIONS - TRENTO RDO - 119.65

MATTEN, SZ See INTERLAKEN

MAULEON, FR **LFJB** CIV N46°54.17' W0°41.87' 576 UTC+1(+2DT) **L-7B-8F**

RWY-04 L7

(4265x66 ASP)

L7 RWY-22

MAUPERTUS, FR **LFRC** CIV N49°39.01' W1°28.22' 459 UTC+1(+2DT) **H-6F, L-4F-7B**

RWY-10 L1,5,50

(8005x148 ASP

L1,5,17 **RWY-28**

S115 T143 ST175 TT259)

SERVICE - AOE LGT - PCL on twr freq, PPR before 1600Z prev workday by fax C02.33.22.90.64. **FUEL** - Avbl 0730-1100Z++, 1300-1730Z++ Mon-Sat; til 2300Z++ O/R before 1600Z++ the prev workday. (NC-100LL, A1).

REMARKS - Opr 0530-1930Z++ Mon-Fri; 0800-1700Z (0700-1700Z sum) Sat, Sun, hol; til 2200Z++ O/R before 1600Z++ prev work day. Fone C02 33 22 91 30. **MISC** - Class E airspace 0500-1930Z++ Mon-Fri; 0800-1700Z (0700-1700Z sum) Sat, Sun and hol. OT Class G.

COMMUNICATIONS - DEAUVILLE APP - (R) 119.35 **CHERBOURG TWR** - 119.625

NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS/DME - BRG 283° LCZR MP 110.55 CH 42Y GS 3.0° LCTR MP 373

MAYFIELD, UK **VORW-DME** - HA 117.900 MAY CH 126 (040/25) N51°01.03' E0°06.97'

360/(A)3°00.0°W (60/25 in sctr 108° -168° ; DME may unlock in sctr 318° -043°).

H-6F, L-4G,

MAZAMET, FR **LFCK** CIV N43°33.37' E2°17.35' 788 UTC+1(+2DT) **H-7B-15A, L-11C**

RWY-14 L5,9,50

(5988x98 CON PCN 20 R/B/W/T)

L5,9,50 **RWY-32**

5479→

SERVICE - LGT - PAPI Rwy 14 GS 3.5°; PAPI Rwy 32 GS 3.7° . **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0500-2100Z++ Mon-Fri; OT PPR 24 hr; PPR 48 hr Sat, Sun and hol. **RSTD** - NORDO proh. **CSTMS/AG/IMG** - Avbl PPR 24 hr Mon-Fri; PPR 48 hr Sat, Sun and hol. (Ctc CASTRES INFO dur bus hrs.)

COMMUNICATIONS - TOULOUSE APP - H-24 (R) 123.85 abv 1500 AGL

CASTRES INFO - 118.5

ILS/RADAR - ➔ ILS-DME - BRG 143° LCZR EN 111.35 CH 50Y GS 3.5° LCTR CVU 356.

MCGOVERN, BK **NDB** - HW 375.500 MGW N44°51.20' E18°45.03'

At CAMP MCGOVERN AHP. Unk/3°05.6'E Unmto. **L-10F**

M DE BERNARDI, IT See PRATICA DI MARE

MECHERIA, AG **NDB** - HW 413.000 MCH N33°32.96' W0°13.16' Unk/1°3.0°W

H-9B, L-13D

MEDASEVAC, YI See NIS

MEDIS, FR **LFCY** CIV N45°37.68' W0°58.35' 72 UTC+1(+2DT) **L-8E**

RWY-10 L1,7

(4117x98 ASP S46)

L1,7,9 **RWY-28**

3658→

←3362

SERVICE - FUEL - Avbl 0730-1045Z++, 1315-1545Z++ 1 Oct-30 Apr; 0630-0945Z++, 1215-1545Z++ 1 May-30 Sep; OT O/R before 1600Z++. (NC-100LL, A1)

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REMARKS - Opr 0730-1100Z++, 1315-1600Z++ 1 Oct-30 Apr; 0630-1000Z++, 1215-1600Z++ 1 May-30 Sep. **RSTD** - NORDO proh.

COMMUNICATIONS - **AQUITAINE APP** - Opr H24 (R) (U) 118.6
ROYAN INFO - 118.8

MEDITERRANEE, FR LFMT CIV N43°34.57' E3°57.78' 17 UTC+1(+2DT)

H-7B-15A, L-11C

RWY-13L L9,50,55

(8530x164 ASP

L5,20 **RWY-31R**

S162 T175 ST175 TT300)

RWY-13R

(3609x98 ASP AUW 12.5)

RWY-31L

3281→

SERVICE - AOE **LGT** - PAPI Rwy 13L GS 3.7° MEHT 69'. **FUEL** - Avbl 0400-2200Z++
Mon-Fri. OT 45 min PN. (NC-100LL, A1)

REMARKS - **RSTD** - Rwy 13R-31L rstd to home based acft. **NS ABTMT** - See AP/2
Supplementary Arpt Info.

COMMUNICATIONS - **MONTPELLIER ATIS** - 124.125 **MONTPELLIER APP** - (R) 120.375
130.85 133.775 **MONTPELLIER TWR** - 118.2 118.775 **MONTPELLIER GND** - 121.95

NAVAIDS - **MEDITERRANEE VORW-DME** - HA 114.450 FJR CH 91(Y) N43°34.70' E3°58.48'
At Fld. 17/(A)2°0.0'W **VHF/DF**

ILS/RADAR - → **ILS-DME** - BRG 306° LCZR FG 108.55 CH 22(Y) GS 3° LCTR FG 339 Usable
sctr 120°

MEGARA, GR LGMG MIL N37°58.87' E23°21.93' 12 UTC+2(+3DT) L-12H-14H, T-2E

RWY-08

(3953x125 ASP C123)

RWY-26

SERVICE - **FUEL** - Avail 0600-1400Z exc Mon, Wed (NC-100LL, A1)

REMARKS - Opr by NOTAM. **CAUTION** - Bird haz.

COMMUNICATIONS - **TWR** - 123.5 282.15

NAVAIDS - **MEGARA NDB** - MHW 405.000 MGR N37°58.94' E23°21.44' At Fld.
Unk/3°14.5'E Opr 0530-1130Z++, Tue til SS+4.

MEGAS ALEXANDROS INTL, GR LGKV CIV N40°54.80' E24°37.15' 18

UTC+2(+3DT) **H-4G-15D, L-12H**

RWY-05R L5,12,50

(9844x148 ASP PCN 53 F/B/X/U)

L5,50 **RWY-23L**

←NET UNK (200' OVRN) HOOK UNK (1706')

HOOK UNK (1774')

SERVICE - **FUEL** - (NC-A1, J8)

REMARKS - Opr by NOTAM. **RSTD** - Due to apn posn to trml acft use low pwr for taxi.

CSTMS/IMG - Avbl with 4 hr PN. **MISC** - Old Rwy 05L-23R used as twy, but mrk and lgtd
as rwy. A net is lctd 246 ft. prior to Rwy 23R.

COMMUNICATIONS - **KAVALA APP** - (E) 122.1 124.65 257.8 **TWR** - (E) 118.4 122.1
257.8 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - **KAVALA TVORW-DME** - HA 108.800 KPL CH 25 (040/25) N40°54.71'
E24°36.85' At Fld. 23/(A)2°0.0'E **KAVALA TACAN** - T KRP CH 90 N40°54.94' E24°36.96'
At Fld. 18/3°41.1'E Opr SR-SS. **CHRISOUPOULIS NDB** - MHW 327.000 KHR N40°55.61'
E24°37.96' 214° 1.0 NM to Fld. 18/3°41.3'E
KPL VOR unuse byd 10 NM 330°-010° blw 7000'

MEGIDDO, IS LLMG CIV N32°35.84' E35°13.73' 200 UTC+2(+3DT) H-13A-16G, L-16F

RWY-09

(7800x70 ASP)

RWY-27

SERVICE - **FUEL** - Reful thru CHIMINR CO. (NC-100LL, A1)

REMARKS - Opr SR-SS. **CAUTION** - Ints gldr act especially wkend and hol.

COMMUNICATIONS - **TEL AVIV CON** - (V) 124.3 121.4 118.1 NORTHERN SECTOR
TEL AVIV EAST - (V) 132.05

B-290 AIRPORT/FACILITY DIRECTORY

MEHRABAD INTL, (TEHRAN MEHRABAD INTL) IR **OIII MIL/CIV**

N35°41.35' E51°18.80' 3962 UTC+3:30 **H-13C, L-17B**

(B) **RWY-09**

(1554x130 CON)

RWY-27

RWY-11L L5,12,50

(13098x148 ASP PCN 55 F/A/W/T)

L5,12,50 **RWY-29R**

RWY-11R L5,12,50

(13248x197 ASP PCN 50 F/A/X/T)

L5,12,50 **RWY-29L**

10173→

←HOOK UNK (270' OVRN) HOOK UNK(B) (140' OVRN)

61QSII UNK (2598') ←

SERVICE - LGT - PAPI Rwy 29R GS 3.22°, Rwy 11R GS 3.36°, Rwy 29L GS 3.3°. Bdry lgt avbl.

A-GEAR - Barrier Rwy 11L, HAR 12' in raised posn, can be lo O/R with 10 min PN. Single eng acft land and tkof past barrier Rwy 29L. **FUEL** - (NC-100LL, A1, J4) WATER METHANOL 45/55.

REMARKS - CAUTION - Animal and bird haz.

COMMUNICATIONS - ATIS - 128.0 **APP - (R) (V)** 119.7 317.5 124.45 125.1 362.3

TWR - (U) 118.1 257.8 **GND** - 121.7 275.8 121.9

NAVAIDS - TEHRAN VORW-DME - HA 115.300 TRN CH 100 N35°41.82' E51°17.03' 104°

1.5 NM to Fld. 3987/(A)3°30.0'E **TEHRAN TACAN** - T THR CH 80 N35°41.93' E51°16.82'

106° 1.7 NM to Fld. 3999/4°02.9'E **VHF/UHF/DF**

TRN VOR-DME unuse

055°-090° btn 5-15 NM blw 10,000'

055°-090° btn 15-40 NM blw 15,000'

095°-110° btn 10-15 NM blw 6000'

095°-110° btn 15-20 NM blw 7000'

095°-110° btn 20-25 NM blw 7500'

095°-110° btn 25-40 NM blw 11,000'

180°-250° btn 30-40 NM blw 7000'

250°-280° btn 35-40 NM blw 7500'

285°-300° btn 15-40 NM blw 14,000'

300°-050° btn 5-10 NM blw 10,000'

300°-340° btn 10-25 NM blw 15,000'

300°-340° btn 25-40 NM blw 23,000'

345°-050° btn 10-15 NM blw 16,000'

345°-050° btn 25-40 NM blw 28,000'

THR TACAN unuse

290°-350° byd 20 NM blw FL 280

350°-050° byd 15 NM blw FL 280

ILS/RADAR - → ILS-DME - BRG 285° LCZR ITHL 109.9 CH 36 GS 3.3°

MEINERZHAGEN, GM **EDKZ** PVT N51°05.97' E7°36.12' 1548 UTC+1(+2DT) **L-5B**

(B) **RWY-07**

(3839x66 ASP AUW12.5)

RWY-25

←2690

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr PPR 0900-1600Z Tue-Sun; (PPR 0800-1700Z Tue-Sun DT). **CAUTION** - Mast and trees 60' AGL 1640' fr thld Rwy 25. **MISC** - Fone C02354/902941.

COMMUNICATIONS - LANGEN INFO - 129.875 **INFO** - 130.6

MEIRINGEN, SZ **LSMM** MIL N46°44.60' E8°06.60' 1895 UTC+1(+2DT) **H-7C, L-9B**

RWY-10 L7,12,50

(6571x130 ASP)

L7,12,50 **RWY-28**

←UNK (164' OVRN) HOOK UNK(B) (1124')

HOOK UNK(B) (1164') UNK (113' OVRN) →

SERVICE - LGT - PAPI Rwy10-28 GS 4.0°.

REMARKS - Opr 0645-1100Z++; 1215-1600Z++ Mon-Fri. **RSTD** - PPR.

COMMUNICATIONS - ARR/DEP - (R) 138.275 142.325 143.775 249.8 368.45 370.125

TWR - 130.15 360.875 **INFO** - 138.05 268.625

MEKELE, (ALULA ABA NEGA) ET **HAMK** CIV N13°28.04' E39°32.01' 7396 UTC+3

L-20G, H-14F

RWY-11 L6,A,50,55

(11825x142 ASP)

L6,A,50,55 **RWY-29**

10840→

←10840

REMARKS - Opr 0400-1500Z. **CAUTION** - Bird haz.

COMMUNICATIONS - TWR - 118.8 **GND** - 121.9

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NAVAIDS - MEKELE VORW-DME - HA 116.600 QHA CH 113 N13°28.37' E39°31.48'
At Fld. 7396/2°3.6'E **MEKELE NDB** - HW 256.000 MK N13°28.51' E39°31.30' At Fld.
Unk/2°3.9'E Opr 0400-1500Z.

MEKNES, MO VORW - HA 116.300 MKS N33°52.68' W5°30.92' Unk/2°36.7'W
H-9A, L-13C

MELILLA, SP GEML CIV (MIL) N35°16.79' W2°57.38' 156 UTC+1(+2DT) **L-13C**
RWY-15 L6,9,50 (4685x148 ASP PCN 25 F/A/W/T) L6,9,50 **RWY-33**
3930→

SERVICE - LGT - PAPI Rwy 15 GS 3.4°, Rwy 33 GS 3.1°. Rwy 33 thld lts O/S til 14 Jun 06 est.
FUEL - (NC-A1)

REMARKS - Opr 0700-1730Z (0545-1830Z sum) plus 30 min PPR. **RSTD** - PPR due to ltd aprn
til 21 May 06 est. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - TWR - (V) 118.5 139.3 257.8 **GND** - 121.7

NAVAIDS - MELILLA DVORW-DME - T 114.250 MEL CH 89(Y) N35°16.83' W2°57.49'
At Fld. 200/1°51.0'W **MELILLA DME** - T MLL CH 121 N35°18.44' W2°57.33' 183° 1.7 NM
to Fld. 381/1°51.0'W **MELILLA NDB** - HW 292.000 MIA N35°18.47' W2°57.33' 181°
1.7 NM to Fld. 381/1°51.0'W **VHF/DF**
MEL DVOR/DME unuse 185°-225° all alt.

MELSBROEK, BE See BRUSSELS NATL

MELUN, FR VORW-DME - HA 113.600 MLN CH 83 (040/25) N48°27.35' E2°48.80' 330°
10.6 NM to VILLAROCHE. 335/(A)2°0.0'W **H-6G, L-7D**

MEMMINGEN ALLGAU, (ALLGAU) GM EDJA CIV N47°59.33' E10°14.37'
2077 UTC+1(+2DT) **H-6H, L-6H**
(B) **RWY-06** L5,23,50 (9780x98 ASP) L5,23,50 **RWY-24**
8827→ ←8827

SERVICE - FUEL - (NC 100LL, A1)

REMARKS - Opr 0700-1800Z++/SS+30 Mon-Fri, 0800-1800Z++/SS+30 Sat, Sun and hol.
PPR 0500-0700Z++ and 1800-2100Z++ Mon-Fri, PPR 0500-0800Z++ and 1800-2100Z++
Sat, Sun and hol. Submit req before 1100Z++ proceeding workday. **CSTMS/IMG** - CSTMS
avbl PPR 24 hr.

COMMUNICATIONS - MUNCHEN INFO - 126.95 **INFO** - 135.6 15 NM to 3000 ft AGL.

MENARA, (MARRAKECH MENARA) MO GMMX MIL/CIV N31°36.41' W8°02.18' 1545
UTC 0 **H-9A, L-13B**
(B) **RWY-10** L5,A,50 (10170x148 ASP PCN 63 F/B/W/T) L5,50 **RWY-28**
9252→

SERVICE - AOE LGT - VASI Rwy 28 GS 2.5°. **FUEL** - (NC-100LL, A1)

REMARKS - RSTD - NORDO proh. 180° turns only on turning cir at rwy end for acft over
100,000 lb. 24 hr PPR fr Arpt Chief for ngt arr. Ovft city of Marrakech proh. **NS ABTMT** -
Tkof Rwy 28, maint rwy hdg til abeam MAK VOR, then on crs. Tkof Rwy 10, turn rgt ASAP,
fly to MAK VOR, then on crs. GO AROUNDS - Flw tkof pro.

COMMUNICATIONS - MARRAKECH APP - (V) 119.7 **MARRAKECH TWR - (V)** 118.7

NAVAIDS - MARRAKECH VORW-DME - HA 113.300 MAK CH 80 N31°36.77' W8°06.18'
100° 3.4 NM to Fld. 1470/(A)6°0.0'W **MARRAKECH NDB** - HHW 267.000 CNZ
N31°36.03' W7°57.87' 276° 3.7 NM to Fld. 1686/3°24.0'W

ILS/RADAR - ➔ **ILS** - BRG 103° LCZR MAR 109.7 GS 2.5°

MENDE, FR VORW-DME - HA 115.300 MEN CH 100 (100/50) N44°36.50' E3°09.75'
4515/(A)2°00.0'W **H-7B, L-8G-11C**

B-292 AIRPORT/FACILITY DIRECTORY

MENDERES, TU **VORW-DME** - L 117.900 MEN CH 126 N38°17.77' E27°09.55'
At ADNAN MENDERES. 407/3°43.8'E **TACAN** - L MEN CH 98 N38°17.90' E27°09.48'
At ADNAN MENDERES. 412/3°43.8'E Opr 0600-1500Z++ **NDB/LOM** - MHW 405.000
ME N38°12.00' E27°10.80' 349° 5.6 NM to ADNAN MENDERES. Unk/3°43.4'E
NDB/LMM - MHW 315.000 EN N38°16.00' E27°09.70' 352° 1.6 NM
to ADNAN MENDERES. Unk/3°43.7'E **L-12H-15A**

MENDIG, GM **ETHM** MIL N50°21.96' E7°18.92' 597 UTC+1(+2DT) **VFR, H-6H, L-6G**
(B) **RWY-08** L5,50 (5342x117 ASP) L5,50 **RWY-26**

SERVICE - AOE **LGT** - PAPI Rwy 08 GS 4.1°, PAPI Rwy 26 GS 3.3°. **FUEL** - J8 **OIL** -
O-133-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - PPR and
accommodations via AFTN only. Practice apch of prop acft proh 1100-1300Z++ Mon-Thu.
Practice apch of jet acft proh. Qtrs area O/R 24 hr PPR. **MISC** - Copter ldg area A lctd N
of and parl to rwy, 1640'x98' mrk. Copter ldg area B lctd S of and parl to rwy, 1640'x164'
mrk. Fone C02652-94-0 extn 2310, fax C02652-94-2 301.

COMMUNICATIONS - **BUCHER RADAR** - (R) (E) 253.3 **TWR** - (E) 40.6 122.1 251.2
257.8

NAVAIDS - **MENDIG NDB** - MHW 331.000 NMN N50°22.07' E7°18.82' At Fld.
671/0°22.5'E

MENGEN HOHENTENGEN, (MENGEN) GM **EDTM** CIV
N48°03.23' E9°22.37' 1820 UTC+1(+2DT) **H-6I, L-6H**
(B) **RWY-08** L5,9 (5253x98 CON AUW13) L5,9,34 **RWY-26**
4268→ ←5138

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0800Z++-SS+30 but not later than 1900Z++, 0430-0800Z++ and
SS+30/1900-2100Z++ PPR. Fone C(07572) 1202. **RSTD** - Rdo ctc must be estab at least 5
min prior to arr. AUW31 PPR. **NS ABTMT** - No dep or ldg 2100-0430Z++, No dep
1900-2100Z++. **CSTMS/IMG** - Avbl 2 hr O/R, fone C(07572) 1202.

COMMUNICATIONS - **ZURICH INFO** - 124.7 **INFO** - 122.375 15NM 3000 ft. AGL.

NAVAIDS - **MENGEN NDB** - MHW 401.000 MEG N48°03.26' E9°22.05' At Fld.
Unk/1°03.8'E **VHF/DF**

MENKIJARVI, FI **EFME** CIV N62°56.80' E23°31.13' 331 UTC+2(+3DT) **L-1D**
RWY-04 (3937x72 ASP) **RWY-22**
3150→ ←3740

REMARKS - Opr HX. **CAUTION** - Gldr act with aero tows and winch launches to 2700'
AGL.

COMMUNICATIONS - **RDO** - 123.5

MENORCA, SP **LEMH** CIV N39°51.76' E4°13.12' 298 UTC+1(+2DT) **H-15A, L-11C**
RWY-01L L4,5,9,33,50 (7710x148 ASP PCN 69 F/B/W/T) L4,5,9,33,50 **RWY-19R**
RWY-01R L5,9,12,50 (6890x148 ASP PCN 44 F/B/W/T) L5,9,12,50 **RWY-19L**

SERVICE - **FUEL** - (NC-100LL, A1) **OIL** - O-125 -128

REMARKS - Opr 0600-2100Z (0500-2230Z sum) **RSTD** - 2 hr PPR. Trng flt proh UFN.
CAUTION - Bird haz. **CSTMS/IMG** - Avbl **RWY** - Rwy 01R-19L ltd 118 ft wingspan, act by
NOTAM.

COMMUNICATIONS - **ATIS** - 112.6 **APP** - 119.65 **TWR** - (E) 118.2 257.8 **GND** - 121.75

NAVAIDS - **MENORCA VORW-DME** - HA 112.600 MHN CH 73 N39°51.81' E4°13.03'
At Fld. 325/(A)1°00.0'W **MENORCA NDB** - HW 344.000 MN N39°50.19' E4°12.80' 009°
1.6 NM to Fld. 297/0°01.3'W

ILS/RADAR - **ILS-DME** - 01

MERIGNAC, FR **LFBD** MIL/CIV N44°49.70' W0°42.93' 162 UTC+1(+2DT) **H-7A, L-8E**
RWY-05 L4,5,9,50 (10171x148 ASP PCN 70 F/B/W/U) L3,4,5,9,10,50 **RWY-23**
A40 UNK (275' OVRN)
RWY-11 L5,9,50 (7923x148 ASP PCN 53 F/C/W/U) L5,9,50 **RWY-29**

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SERVICE - AOE **LGT** - PAPI Rwy 05 GS 3.4°. **A-GEAR** - Raised manually O/R fr pilot.
FUEL - Avbl 0500-2200Z++ (NC-100LL, A1, A1+) **FLUID** - LOX LPOXRB **OIL** - O-156
REMARKS - **RSTD** - Rwy 11/29 proh to Cat C and D four eng acft with outer eng span greater than 102'. Rwy 23 std cond for use is experimentally, max tailwind 6kt. Twy S2, S3 and W3 clsd. PPR 24 hr, before 1300Z++ hol and wkend. Show apvl Nr on line 18 of FPL. PPR fone C33.5.56.13.62.67. **CAUTION** - All mil UHF freq O/S UFN. **NS ABTMT** - See AP/2 Supplementary Arpt Info.
COMMUNICATIONS - **ATIS** - 131.15 **AQUITAINE APP - (R) (U)** 118.6 119.275 126.725 234.0 338.275 **APP - (R) (U)** 121.2 231.425 362.3 **TWR** - 118.3 231.5 257.8
GND - 121.9 308.8 Special Instr 121.725 **OPNS** - 143.175 Contact mandatory 15 min prior for mil stopover or parking. **AQUITAINE INFO** - Opr HO 120.575
NAVAIDS - **BORDEAUX VORW-DME** - HA 113.750 BMC CH 84(Y) (100/50) N44°49.62' W0°43.27' At Fld. 161/(A)2°0.0'W (150/50 in sctr 225°-315°) **BORDEAUX TACAN** - HA BDX CH 91 (100/50) N44°49.63' W0°43.40' At Fld. 155/1°40.0'W (150/50 in sctr 225°-315°) **BORDEAUX NDB** - HW 393.000 BD N44°56.11' W0°33.74' 226° 9.2 NM to Fld. 60/1°37.0'W **BORDEAUX NDB** - MHW 318.000 BE N44°52.23' W0°23.87' 260° 13.8 NM to Fld. 251/1°34.0'W **BORDEAUX NDB** - MHW 361.000 NB N45°08.85' W0°33.00' 200° 20.4 NM to Fld. 155/1°38.0'W **VHF/UHF/DF**
ILS/RADAR - **ILS-DME** - 23 - 29 **RADAR** - PAR - Call MERIGNAC PRECISION -(E) 231.425 234.0 362.3 (121.2 Civ)

MEROWE, SU **VORW-DME** - HA 116.000 MRW CH 107 N18°26.99' E31°49.12' 881/(A)0°00.0'E **H-12H-14E, L-20F**

MERRYFIELD, UK **EGDW MIL** N50°57.75' W2°56.14' 146 UTC 0(+1DT) **L-4F**
RWY-03 (4246x150 ASP) **RWY-21**
RWY-09 L53,55 (6007x150 ASP) L53,55 **RWY-27**
RWY-16 (3705x150 ASP) **RWY-34**
REMARKS - Opr 0900-1630Z Mon-Thu, 0900-1330Z Fri. **RSTD** - PPR 24 hr thru YEOVILTON OPS C01935 840551 extn 5497/5498. **CAUTION** - Copters only.
COMMUNICATIONS - **TWR** - 122.1X 312.7

MERSA MATRUH, EG **HEMM CIV** N31°19.52' E27°13.30' 94 UTC+2(+3DT)
H-10G-16F, L-14H
RWY-06 (9843x148 ASP PCN 38 F/A/X/U) **RWY-24**
9683→ ←9683
UNK(B) (2059')
RWY-15 (9843x148 ASP PCN 40 F/B/W/U) **RWY-33**
←NET UNK (62' OVRN) HOOK UNK (2170') →
SERVICE - **FUEL** - (NC-100LL)
REMARKS - Opr SR-SS.
COMMUNICATIONS - **MATRUH RDO** - 5790 3175 (3175 sby) **MATRUH TWR** - 2 hr PN rqr for ngt svc. 118.1 121.9

MERSEBURG, GM **EDAM PVT** N51°21.78' E11°56.45' 340 UTC+1(+2DT) **L-5D**
RWY-08 (3740x98 CON) **RWY-26**
REMARKS - **RSTD** - PPR. **CAUTION** - PJE, gldr and unmanned acft act.
COMMUNICATIONS - **BERLIN INFO** - (E) 125.8 **BERLIN RADAR** - 124.175
INFO - 122.9

MERZIFON, TU **LTAP MIL** N40°49.76' E35°31.32' 1758 UTC+2(+3DT) **H-13A, L-15B**
RWY-05 L5,50 (9600x148 ASP) L5,50 **RWY-23**
←NET BEFAB (226' OVRN) HOOK 500S(B) (1500')
HOOK 500S(B) (1526') NET BEFAB (118' OVRN) →
SERVICE - **JASU** - 4(AF/M32A-10) 1(MA-1A) 1(MD-3A) **FUEL** - (N/C 115, J8) **FLUID** - LPOX LOX **OIL** - O-128-132-148 **TRAN ALERT** - Alert svc avbl.
REMARKS - **MISC** - NOTAMS avbl only at AOE listed in FCG.
COMMUNICATIONS - **ATIS** - 369.45 122.425 **APP - (E)** 122.1 362.3 **TWR** - 122.1 257.8
GND - 121.95 251.25

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NAVAIDS - MERZIFON TACAN - T MNI CH 30 N40°50.13' E35°32.38' At Fld.
1783/4°56.2'E

MESNALI, NO DVORW-DME - HA 114.400 MES CH 91 N61°05.99' E10°38.57'
2317/(A)1°00.0'W H-2G, L-1C

MESSALI EL HADJ, AG See ZENATA

MESTA, GR VORW-DME - HA 117.600 MES CH 123 (100/50) N38°15.10' E25°54.33' 061°
12.4 NM to CHIOS. 1165/(A)2°18.0'E H-15E, L-12H-14H-15A

METLIKA, SI NDB - MHW 394.000 MEL N45°39.28' E15°19.09' 731/2°27.4'E
H-4E, L-10E

METRO, GM VORW - HA 110.000 MTR (060/25) N50°16.58' E8°50.92' 666/(A)0°00.0'E
When O/S, NDB 304 avbl opr rng 25 NM same posn.
MTR VOR unuse
250°-270° up to 10 NM blw 1200'
250°-270° btn 10-20 NM blw 2700'
250°-270° btn 20-26 NM blw 3600'
250°-270° btn 26-45 NM blw 4500'
250°-270° byd 45 NM blw 8000'

H-6H

METZ, FR TACAN - HA MET CH 17 (040/25) N49°04.02' E6°07.76' At FRESCATY.
663/(A)1°00.0'W H-6G, L-6G

METZ NANCY LORRAINE, FR LFJL CIV N48°58.93' E6°15.08' 870
UTC+1(+2DT) H-6G, L-6G
RWY-04 L4,5,9,50 (8202x148 ASP PCN 58 F/C/W/T) L3,4,5,9,25,50 RWY-22
SERVICE - FUEL - Avbl 0300-2200Z++ Mon-Fri exc hol and day before hol. OT ctc arpt
manager, fone C33 03 87 56 70 00. (NC-A1).
REMARKS - CSTMS/IMG - CSTMS avbl O/R 2 hr PN fone C03 87 56 70 11. RWY - Extv rwy
WIP til 31 Aug 06 est. Exp LDA, rwy and apch lgt chg, and tmpry rwy closure.
COMMUNICATIONS - LORRAINE ATIS - Opr HO 136.575 LORRAINE APP - Opr HX
119.125 127.25 LORRAINE TWR - Opr HO 118.2 LORRAINE GND - Opr HO 121.7
NAVAIDS - VHF/DF
ILS/RADAR - ➔ ILS-DME - BRG 219° LCZR MLY 111.75 CH 54(Y) GS 3° LCTR LOU 388

METZADA, IS VORW-DME - HA 115.000 MZD CH 97 N31°19.84' E35°23.43'
At I BAR YEHUDA. -1200/(A)1°00.0'E Rng ltd to 30 NM fr fac.
MZD VORW-DME unuse 105-175
unuse 200-330

H-13A-16G, L-16F, T-2F

MEUCON, FR LFRV CIV N47°43.40' W2°43.11' 446 UTC+1(+2DT) H-3B-7A, L-7B
RWY-04 L1,5,50 (5020x148 ASP S65 T79 ST100 TT139) L1,5,9 RWY-22
RWY-08 (3363x197 GR5) RWY-26
3035→
SERVICE - FUEL - Avbl 0830-1630Z++ Mon-Fri, extn possible PPR 48 hr, Oct 1 - Feb 28.
0730-1730Z++ Mon-Fri; 0830-1030Z++, 1330-1730Z++ Sat, Sun and hol, 1 Mar -30 Sep.
(NC-100LL, A1)
REMARKS - Opr 0730-1800Z++ Mon-Fri; 0800-1100Z++, 1300-1800Z++ Sat, Sun and hol.
(0630-1930Z++ Mon-Fri; 0800-1100Z++, 1300-1900Z++ Sat, Sun and hol. 1 Apr - 31 Oct)
CSTMS/IMG - Avbl SR-SS O/R. PPR 24 hr.
COMMUNICATIONS - VANNES TWR - 122.6
NAVAIDS - VHF/DF
ILS/RADAR - ➔ LOC - BRG 224° LCZR VNS 110.7 LCTR VA 342.

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MEYENHEIM, FR **LFSC** MIL N47°55.32' E7°23.98' 693 UTC+1(+2DT) **H-6H, L-6G**
RWY-01 L5,9,27,43 (7973x147 ASP PCN 17 F/C/W/T) L5,9,27,43 **RWY-19**
←A40 UNK (EOR) A40 UNK (EOR) →

SERVICE - LGT - VASI Rwy 01-19 GS 2.5°. **FUEL -** A1+

REMARKS - Opr 0730-1620Z++ Mon-Thu, 0730-1500Z++ Fri. OT PPR before 1500Z++ prev
workday. **RSTD -** PPR fone C33.3.89.62.62.62 extn 14. **NS ABTMT -** Turn lt hdg 180° aft
tkof Rwy 19.

COMMUNICATIONS - COLMAR APP - (R) (E) 118.95 141.75 142.45 282.175 344.0 362.3
372.3 **COLMAR TWR -** 122.1 257.8 372.8

NAVAIDS - COLMAR TACAN - HA CLR CH 37 (060/50) N47°55.76' E7°24.00' At Fld.
693/0°31.0'E **VHF/UHF/DF**

ILS/RADAR - ➔ ILS - BRG 196° LCZR CLR 111.1 GS 3° **■ RADAR -** ASR - Call Colmar RADAR
140.575 281.125 344.0 PAR - Call Colmar GCA 123.3 141.75 231.975 385.4

MEYTHET, FR **LFLP** CIV N45°55.75' E6°05.93' 1521 UTC+1(+2DT) **H-7B, L-8H-9A**
RWY-04 L7,9,50 (5348x98 ASP PCN 24 F/C/W/T) L7,50 **RWY-22**
4528→ ←4593

SERVICE - LGT - PAPI Rwy 04 MEHT 44', GS 3.7° , Rwy 22 MEHT 77', GS 5.3° . **FUEL -** Avbl
0700-1800Z++ Mon-Fri; 0800-1100Z++, 1300-1800Z++ Sat, Sun and hol. (NC-100LL, A1)

REMARKS - Opr SR-SS.

COMMUNICATIONS - CHAMBERY APP - 123.7 **ANNECY TWR -** 118.2 **REMARKS:** Opr
1230-2000Z++ Mon, Fri; 0430-2000Z++ Tue, Thu; 0430-1600Z++ Wed; 0800-SS+30 (no
later than 1800Z++) Sat, Sun; 0800-1100Z++, 1300-SS+30 (no later than 1800Z++) hol.
INFO - 0430-1230Z++ Mon-Fri; 1600-2000Z++ Wed. 118.2

ILS/RADAR - ➔ LOC-DME - BRG 040° LCZR AT 108.9 CH 26.

MEZEN, RS **NDB -** HHW 555.000 MZ N65°52.00' E44°12.00' Unk/17°14.3'E Opr
0400-1800Z++. **T-2G**

MEZZE, SY **NDB -** MHW 358.000 MEZ N33°29.00' E36°14.00' 103° 14.8 NM
to DAMASCUS INTL. Unk/3°53.7'E **H-13A-16G, L-16F**

MICHAELSDORF, GM **DVORW -** HA 112.200 MIC (060/50) N54°18.33' E11°00.31'
119/(A)0°00.0'E **H-5D, L-2E**

MIDHURST, UK **VORW-DME -** HA 114.000 MID CH 87 (060/50) N51°03.23' W0°37.50'
200/(A)4°00.0'W (100/50 in sctr 243° -003°) **H-6F, L-4G,**

MIELEC, PL **EPML** CIV N50°19.34' E21°27.73' 548 UTC+1(+2DT) **H-8G, L-22G**
RWY-09 (8187x148 CON PCN 40 F/B/Z/T) **LA RWY-27**
7570→
RWY-18 (2165x82 CON PCN 40 F/B/X/T) **RWY-36**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0600-1400Z++ Mon-Fri. Sun,Sat,hol O/R after prior consultation.
CSTMS/IMG - O/R 48 hr PPR.

COMMUNICATIONS - TEST - Dur flts 119.1 **INFO -** Opr 0600-1400Z++Mon-Fri, Sat-Sun
O/R 24hr PPR. 123.35 122.7

NAVAIDS - MIELEC NDB - MHW 296.000 SA N50°19.33' E21°30.06' 267° 1.5 NM to Fld.
Unk/4°12.2'E Opr 0700-SS Mon-Fri.

MIHAIL KOGALNICEANU, (CONSTANTA) RO **LRCK** MIL/CIV
N44°21.73' E28°29.30' 353 UTC+2(+3DT) **H-4G, L-10J**
RWY-18 L3,4,5,7,12,50 (11483x148 CON PCN 62 R/D/W/T) L3,4,5,7,10,50 **RWY-36**
8213→ ←6493

SERVICE - FUEL - A1+ (Air BP Ltd., fone C+40-(0)21 201 47 48). (NC-100LL).

REMARKS - CSTMS/IMG - Avbl.

COMMUNICATIONS - ATIS - 118.75 **BUCURESTI RDR - (R)** 122.9 127.35
TWR - 120.45

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NAVAIDS - CONSTANTA VORW-DME - HA 112.700 CND CH 74 N44°17.67' E28°28.77'
005° 4.1 NM to Fld. 269/4°40.3'E
ILS/RADAR - ILS ILS-DME 36

MIKE, GM **NDB** - MHW 426.500 MIQ N48°34.21' E11°35.85' Unk/1°38.8'E **H-6I, L-6I**

MIKKELI, FI **EFMI** CIV N61°41.20' E27°12.11' 329 UTC+2(+3DT) **H-2H, L-1D**
RWY-11 L5,33,50 (5584x144 ASP PCN 20 F/A/Y/T) L5,38,50 **RWY-29**
4767→ ←5255
SERVICE - LGT - PAPI Rwy 11-29 GS 3.5°. **FUEL** - Avbl H24. (NC-100LL, A1). A1 rqr 24 hr
PN, fone C358 15 366 427. **FLUID** - De-ice avbl HO.
REMARKS - Opr HO. **CAUTION** - Gldr act. Cable winch launches to 2700' AGL. Unlgtd obst
sur arpt. **CSTMS/IMG** - CSTMS avbl PPR, IMG avbl HO.
COMMUNICATIONS - ATIS - Opr H24. 118.25 **AFIS - (V)** 123.0 119.7
NAVAIDS - VHF/DF
ILS/RADAR - → **ILS** - BRG 105° LCZR MI 109.5 GS 3.5° LOM MI 346 LCTR M 336.

MIKONOS, GR **LGMK** CIV N37°26.11' E25°20.89' 405 UTC+2(+3DT)
H-15E, L-12H-14H, T-2F
(B) **RWY-16** L7,9 (6244x98 ASP PCN 34 F/B/X/U) L7,9,50 **RWY-34**
SERVICE - LGT - PAPI Rwy 16 O/S UFN. Thld lgt Rwy 34 displ 98' N. ABn, green coded,
MKN. **FUEL** - (NC-100LL, A1) avbl only Apr-Oct.
REMARKS - Opr by NOTAM. **CAUTION** - Windshear due to hi winds. Bird haz. **MISC** - Ldg
acft backtrack to end of Rwy for turnaround. Avoid turning eng exhaust twd trml in apn
area. Use low pwr when taxiing to/fr apn.
COMMUNICATIONS - APP - (V) 118.75 122.1 **TWR - (V)** 118.75 119.875 122.1 257.8
(257.8 O/S UFN.) **RDO** - 5637 2989 (5637 0400-1700Z++) (2989 1700-0400Z++)
NAVAIDS - MIKONOS VORW-DME - HA 110.000 MKN CH 37 (040/25) N37°26.42'
E25°20.67' At Fld. 405/3°26.1'E **MIKONOS NDB** - MHW 401.000 MKO N37°26.22'
E25°20.78' At Fld. 405/3°26.1'E

MIKRA, GR **TVORW-DME** - L 110.800 MKR CH 45 (040/25) N40°31.12' E22°58.19'
At MAKEDONIA. 22/3°24.9'E **TACAN** - T MIK CH 121 (150/25) N40°27.48' E22°59.50'
346° 3.8 NM to MAKEDONIA. 22/3°24.8'E **TACAN** - L MKA CH 100 (040/25) N40°31.05'
E22°58.60' At MAKEDONIA. 22/3°25.0'E Opr SR-SS **UHF/DF L-12G**

MILANO ACC/FIC, IT **LIMM** (CIV/ItAF) **RADAR - (R) (E)** (Opr 0600-2200Z++
127.45 **135.13 281.85** 338.475, OT 134.63 134.05) **CON** - (Opr 0600-2200Z++
125.275 135.13 135.45 281.85 374.875 386.825, OT 134.63) **INFO** - 134.3 275.425 **ARR** -
(Opr 0600-2200Z++ 125.275 132.7 374.875, OT 126.75) **DEP NORTH** - 126.75 **DEP**
SOUTH - (Opr 0600-2200Z++ 126.3, OT 126.75) **SOUTH Sctr** - Opr 0600-2200Z++
135.13 281.85, OT 134.63 **WEST Sctr** - Opr 0600-2200Z++ 125.275 374.875, OT 135.45
EAST Sctr - Opr 0600-2200Z++ 127.45 338.475, OT 134.63 **MILANO MILITARY** (ATC opr
0700-1900Z++ Mon-Fri exc hol and OT Mon, Wed per ITAF opr nec - Emerg, SAR, security
ATC, opr crdr H24) - 129.825 233.55 292.75 **H-4E-7C, D, L-9A, B, C-10E-11D-12E, F**

MILANO BRESSO, IT See BRESSO

MILANO MALPENSA, IT See MALPENSA

MILANO ORIO INTL, IT See BERGAMO ORIO AL SERIO

MILAS BODRUM, TU **LTFE** CIV N37°15.04' E27°39.86' 21 UTC+2(+3DT)
H-15E, L-14H-15A
(B) **RWY-11** L2,3,4,5,10,50 (9842x148 CON PCN 105 R/D/W/T) L2,3,4,5,10,50 **RWY-29**
→UNK (1435') UNK (1435') ←
SERVICE - AOE LGT - PAPI Rwy 11 GS 3.3°, Rwy 29 GS 3.9°. **A-GEAR** - Avbl 30 min PPR
dur opr hr. OT 3 hr PPR.

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COMMUNICATIONS - ATIS - 128.5 **MENDERES APP** - 119.5 128.7 362.3 119.775
(119.775 (Izmir APP) abv FL190) **TWR** - Opr 0530-1430Z++ Mon-Fri; OT 3 hr PPR. (E)
120.5 124.2 257.8 **GND** - 121.95 251.25

NAVAIDS - MILAS BODRUM VORW-DME - HA 116.700 BDR CH 114 N37°15.20'
E27°40.15' At Fld. 33/3°40.8'E **KIYIKISLACIK VORW-DME** - L 113.900 GML CH 86
N37°16.57' E27°33.07' 106° 5.6 NM to Fld. 164/3°40.2'E **MILAS BODRUM NDB** - MHW
389.000 BDR N37°15.20' E27°40.15' At Fld. Unk/3°40.8'E

ILS/RADAR - ILS-DME 11, 29 ■ **RADAR** - GCA 123.3 344.0 Opr 0530-1430Z++ Mon-Fri, OT
3 hr PPR.

MILDENHALL, UK **EGUN** AF N52°21.72' E0°29.18' 33 UTC 0(+1DT) **H-6F, L-4G**
RWY-11 12,4,5,9,24,50 (9221x200 PEM PCN 99 F/A/W/T) L2,3,4,5,9,24,50 **RWY-29**
BAK-12A(B) (1917') BAK-12A(B) (1975')

SERVICE - AOE LGT - HIRL uni-directional visible wi aprx 15° of active rwy cntrln. Beginning
at 3000' remaining rwy cntrln lgt altn red/W, last 1000' all red. PAPI Rwy 11-29 GS 2.9°.
PAPI and ILS RPI are not coincident for Rwy 29/11. **A-GEAR** - Nml down-abvbl with 15 min
PN-advts twr with rqrld config. **JASU** - (4)60 (16)86 (3)95 **FUEL** - A1+, J8 **FLUID** - De-Ice
LPOX LOX HPOX **OIL** - O-148-156 **TRAN ALERT** - Opr H24. Ns abtmt rstd apply. Ltd
alert pers, park/hgr space and maint. Min scv cap for C-21/C-12 acft. All others must be
supported by owning crew. No dragchute repack. No ftr maint/ltd svc cap avbl. Svc not
provided to acft flying sorties out of afld.

REMARKS - RSTD - PPR rqr. Contact Base Ops for PPR at DSN 238-7777/7779. Min 24 hr ntc
rqr and no more than 7 days prior. AMC ACFT (except KC135/C130) and Air Evac are exm
and should contact 727 AMCC at DSN 238-2247/2724 for msn sked. Twy D clsd btn the
AMC ramp and Twy A and D int when acft are present. All divert acft ctc 100 ARW Comd
Post on 278.925 for PPR exc AMCC and emerg acft. Acft carrying 1.1 haz cargo not auth.
A/D proh to acft with fwd firing munitions. Prk area 9 clsd. All C130 maint repair teams
(MRT) coming to RAF Mildenhall must incl ECM or ALE-47 qualified pers. **CAUTION** - Bird
haz - AMC acft ctc AMCC 30 min prior to ldg, but not later than 30 NM for lcl BWC code.
Two jet arpt wi 5 NM. Tfc pat overlap, strict pro compliance rqr. Twy haz-acft with wingspan
greater than 140' rqr wing tip marshalling E of hardstand 14 to S of Twy B 29 hammerhead
due to an obst 95' S of the Twy B cntrln. **TFC PAT** - VFR overhead pat 1800'. Rectangular
pat 1200' for conventional and jet acft. Reduced rwy separation std are in eff for USAFE ftr
acft and SOG C-130 acft only. **NS ABTMT** - Quiet hr 2300-0600Z++ Mon-Thu, 1800Z Fri-
0600Z++ Mon and UK hol exc HHQ drct msn and AIR EVAC flt. Non AMC acft req arr/dep
dur quiet hr must rcv apvl thru Comd Post DSN 238-2121, C011-44-1638-54-2121. AMC
aircrews refer to HQ AMC afld rstd. Acft with apv quiet hr waiver must arr at sked time. No
acft or gnd maint OPS conducted dur quiet hr wo 100 ARW/CC or designated rep apvl, ctc
Comd Post DSN 238-2121. Acft opr conducted outside of 0900-1800Z++ Sat, Sun and UK
hol is discouraged due to lcl civic considerations. When Rwy 11 in use; tran acft inst
practice apch/multi inst apch proh. Dep acft will not initiate turn til 1 NM past afld bdry
(exc for SID). Acft dep Rwy 11 will turn at 1.8 DME of MLD TACAN or 1 NM fr afld bdry.
Avoid ovft of Mildenhall village 1 NM SE, Beck Row .5 NM N, West Row .5 NM S, Isleham 3
NM SW and Ely Cathedral (MLD Rad 286/8.6). No practice apch Sat, Sun and UK hol.

MISC - 1st 500' Rwy 11 and 29 conc. Middle 8221' of rwy is porous friction sfc; no 180°
turns on porous friction sfc. Anti-hijack pro: Twr apvl rqr prior to eng start. All arr/dep acft
will file IFR/VFR FPL. Unannounced arr exp apprehension and extv dly. Acft carrying PAX or
cargo offload ctc AMCC, VIP ctc Comd Post NLT 30 min prior to ldg. Twy Delta S of rwy is
a controlled ramp. If acft are parked on twy Charlie N hardstands, twy is rstd to taxiing acft
with wingspan of 133ft or less, excluding C-135 acft. Twy Bravo southeast hammerhead
rstd to ACFT with wingspan of 133 ft or less. Full rwy len avbl and 600' of underrun for dep
only O/R. No acft taxi auth on copter controlled ramp lctd west of of twy Delta N. Prk area
ltd to hardstand 5 and 12 Tow on/Tow off, no eng runs. COMSEC not avbl ctc Comd Post
DSN 238-2121 or AMCC DSN 238-2247. For CSTMS/AG/IMG ctc ATOC DSN 238-2272 or
AMCC DSN 238-2247. Left turn onto hardstand 3 utilizing NW entrance not authorized.
Hardstand 24 rstd to tow off only when hardstand 22 and 23 are occupied. No immediate
right turn allowed when taxiing off hardstand. Aircraft entering hardstand 31 from west
entrance must be towed onto spot.

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COMMUNICATIONS - PTD - 131.975 308.85 **ATIS** - 375.5 **LAKENHEATH APP - (R) (E)**
136.5 309.2 (MATZ 128.9 242.05) **CAC** - Call LONDON MIL **(R) (E)** 277.775 **REMARKS:**
-Crossing acft ctc LONDON MIL or LAKENHEATH APP CON 5 min or 20 NM before
entering or leaving MATZ bdry. Acft ldg at MILDENHALL ctc LONDON MIL or
LAKENHEATH APP 5 min or 20NM before MATZ bdry. **TWR - (E)** 122.55 370.25 (Do not
ctc Mildenhall TWR on VHF for wx info byd 50NM.) **GND** - 121.675 337.975
LAKENHEATH DEP - (No lost com or clnc limit provided on dep; No com ctc til airborne.)
(R) (E) 250.3 **100 ARW COMD POST** - 278.925 **PMSV METRO** - 284.425 **REMARKS:** Full
obsn, fcst, PMSV, and wx radar svc avbl H24. Remote briefing svc avbl fr 21 OWS DSN
496-6145/6146 or C011-49-6302-67-6145/6146. **AMC AIRLIFT AMCC** - 131.975 234.0
NAVAIDS - MILDENHALL TACAN - HA MLD CH 106 (150/40) N52°21.80' E0°29.30' At Fld.
63/(A)2°00.0'W MP 0600-0800Z++ Tue and Fri.
MLD TACAN unuse 045°-210° byd 35 NM blw 2000'
ILS/RADAR - ILS - MP 0600-0830Z++ Mon and Wed .

MILLDORF, GM DVORW-DME - HA 117.000 MDF CH 117 (060/50) N48°14.08'
E12°20.25' 1526/(A)1°0.0'E (60/FL500) 315° -225° (80/FL500) 225°- 315° **H-6I, L-6H**

MILOS, GR VORW-DME - HA 113.500 MIL CH 82 (150/50) N36°44.85' E24°31.17'
12/(A)0°00.0'E **TACAN** - HA MLS CH 125 (150/50) N36°42.35' E24°31.80' 434/3°16.4'E
Opr SR-SS. **NDB** - HW 378.000 MLO N36°41.90' E24°28.37' 12/3°16.0'E
H-10G-15E, L-14G

MIMIZAN, FR LFCZ CIV N44°08.77' W1°10.47' 164 UTC+1(+2DT) **L-8E-11B**
RWY-08 L7 (3412x66 ASP S12) **L7,50 RWY-26**
←2920
SERVICE - LGT - PAPI Rwy 26 GS 4.0°. **FUEL** - Avbl SR-SS exc Mon, Wed and Sun morning.
(NC-100LL)

MINDELHEIM MATTSIES, GM EDMN PVT N48°06.53' E10°31.46' 1857
UTC+1(+2DT) **L-6H**
RWY-15 (3770x66 ASP) **RWY-33**
3061→ ←3081
SERVICE - FUEL - (NC-100LL)
REMARKS - RSTD - PPR. **RWY** - Rwy 15 TORA 3081', Rwy 33 TORA 3061'.
COMMUNICATIONS - MUNCHEN INFO - 126.95 **INFO** - 122.975 15 NM to 3000 ft.
AGL.

MINSK MAZOWIECKI, PL EPMM MIL N52°11.73' E21°39.36' 604
UTC+1(+2DT) **H-8G, L-21B**
RWY-09 L38,43,50 (8245x140 CON PCN 50 R/B/W/T) **L33,43,50 RWY-27**
SERVICE - FUEL - (NC-A1)
COMMUNICATIONS - INFO - 128.5

MIRECOURT, FR LFSG CIV N48°19.50' E6°04.20' 1084 UTC+1(+2DT) **H-6G, L-6F**
RWY-09 L5,9,50 (8858x147 CON PCN 36 F/C/W/T) **L5,9,23,50 RWY-27**
←8012
SERVICE - LGT - PAPI Rwy 27 O/S til 20 Jul 06 est. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0530-1100Z, 1300-1930Z (0430-1830Z sum) Mon-Fri. OT O/R before
1600Z++ fone C03 29 37 44 67. **CAUTION** - Arpt lctd within LF-R87. **CSTMS/IMG** -
CSTMS avbl with 12 hr PN to Metz CSTMS, fone C03 87 39 99 06.
COMMUNICATIONS - LORRAINE APP - 127.25 **AFIS EPINAL INFO** - 120.2
NAVAIDS - EPINAL VORW - HA 113.000 EPL (060/50) N48°19.07' E6°03.57' At Fld.
1154/(A)1°0.0'W
ILS/RADAR - → ILS - BRG 265° LCZR MI 110.9 GS 3° LOM EMT 419.0

MIROSLAWIEC, PL EPMI MIL N53°23.70' E16°04.97' 459 UTC+1(+2DT)
H-8F-5E, L-5E-21A
RWY-12 L38 (8216x160 CON) **L33 RWY-30**

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SERVICE - FUEL - (NC-A1)

COMMUNICATIONS - INFO - 128.5

MISURATA, LY **VORW-DME** - HA 117.100 MIS CH 118 N32°19.00' E15°04.00'
60/(A)1°00.0'E **H-10E, L-14F**

MITIGA, (UMM AITIOAH) LY **HLLM** MIL/CIV N32°53.65' E13°16.56' 36 UTC+2
H-10E, L-14F

RWY-03 L53

(6000x148 ASP)

L53 **RWY-21**

RWY-11 L7,12,50

(11076x148 ASP)

L7,12,50 **RWY-29**

←NET UNK (25' OVRN)

NET UNK (60' OVRN) →

SERVICE - FUEL - (NC-A1)

COMMUNICATIONS - TWR - 126.3 120.2

NAVAIDS - MITIGA VORW - HA 113.400 MTG N32°53.57' E13°16.27' At Fld.
36/(A)0°00.0'E

MITILINI, (ODYSSEAS ELYTIS) GR **LGMT** CIV N39°03.40' E26°35.90' 60 UTC+2(+3DT)
H-15E, L-12H-15A

(B) **RWY-14** L6,50
7625→

(7894x148 ASP PCN 30 F/D/X/T)

L6,50 **RWY-32**
←6139

SERVICE - LGT - ABn, W coded LSV. PAPI Rwy 15-33 rcpt ltd to 5° either side of cntrline.

FUEL - A1 (FKO, Shell, BP)

REMARKS - Opr by NOTAM. **CSTMS/IMG** - Avbl with 2 hr PN.

COMMUNICATIONS - APP - (V) 122.1 123.85 **TWR - (E)** 122.1 123.85 257.8

RDO - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - MITILINI VORW-DME - T 109.600 MLN CH 33 (040/25) N39°03.44' E26°36.03'
At Fld. 30/3°44.7'E **LESVOS VORW-DME** - HA 114.200 LSV CH 89 (100/50) N39°13.88'
E26°25.52' 142° 13.2 NM to Fld. 705/(A)0°00.0'E **LESVOS NDB** - HW 397.000 LVO
N39°02.98' E26°36.37' At Fld. Unk/3°44.7'E

MITROVICA, YI **VORW-DME** - HA 117.000 SMI CH 117 N45°00.57' E19°25.85'
262/(A)2°00.0'E **NDB** - HW 328.000 SMR N44°59.96' E19°36.58' Unk/3°15.9'E
H-4E, L-10F

MIZDA, LY **NDB** - HHW 378.000 IZD N31°26.77' E12°58.42' Unk/1°23.7'E **H-10E, L-14F**

M MORIS, IT See URBE

MNICHOVO HRADISTE, EZ **LKMh** CIV N50°32.41' E15°00.40' 800
UTC+1(+2DT) **H-4E-6I-8F, L-5E-6J, T-1A**

RWY-07L

(3231x200 GRS)

RWY-25R

RWY-07R

(5094x98 CON PCN 25 R/A/Y/T)

RWY-25L

3571→

←3519

SERVICE - FUEL - (NC-100LL A1)

REMARKS - Opr 0700-1500Z++. **CSTMS/IMG** - Opr O/R Mon-Fri.

COMMUNICATIONS - INFO - 130.2

MODLIN, PL **EPMO** MIL N52°27.07' E20°39.11' 341 UTC+1(+2DT) **H-8G, L-21B, T-1**
RWY-08 (8202x197 ASP) **RWY-26**

SERVICE - FUEL - NC-100LL, A1

REMARKS - Opr 0600-1400Z++ Mon-Fri

COMMUNICATIONS - INFO - 124.5

MOGADISHU FIC, SO **HCSM** (CIV) **INFO** - 11300 Day 5517 Ngt. If unable to ctc
Mogadishu FIC, ctc nearest adjacent ACC/FIC. **H-14G, H, L-20G, H**

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MOGADOR, (ESSAOUIRA MOGADOR) MO **GMMI** CIV N31°23.85' W9°40.90' 384
UTC 0 **H-9A-11C, L-13B**
RWY-16 L7,50 (6890x148 BIT PCN 30 F/B/W/T) L7,50 **RWY-34**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr SR-SS. OT O/R 12 hr in advance to Arpt Chief.
COMMUNICATIONS - TWR - 121.2
NAVAIDS - ESSAOUIRA VORW-DME - HA 112.700 ESS CH 74 N31°24.07' W9°41.22'
At Fld. 39/3°59.8'W

MOHAMED BOUDIAF INTL, AG **DABC** CIV N36°16.56' E6°37.22' 2265
UTC+1 **H-9C-15B, L-14E**
(B) **RWY-14** L5,6,8,43 (7874x148 ASP S111 T157 TT226) L5,6,8,43 **RWY-32**
RWY-16 (9843x148 ASP PCN 93 F/D/W/T) **RWY-34**
SERVICE - FUEL - (NC-100, A1)
REMARKS - Opr 0800-1600Z.
COMMUNICATIONS - CONSTANTINE APP - (R) 120.1 119.7
CONSTANTINE TWR - 118.3 119.7
NAVAIDS - CONSTANTINE DVORW-DME - HA 115.500 CSO CH 102 (200/50) N36°17.56'
E6°36.33' 144° 1.2 NM to Fld. 2303/0°30.4'E 200NM/FL40 **CONSTANTINE NDB** - HW
397.000 CNE N36°11.42' E6°43.63' 315° 7.3 NM to Fld. Unk/0°31.8'E **VHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 319° LCZR CT 109.3 GS 3.0°

MOHAMMED V, (CASABLANCA MOHAMMED V) MO **GMMN** CIV
N33°22.05' W7°35.40' 656 UTC 0 **H-9A-16H, L-13B**
RWY-17L L4,5 (12205x148 ASP PCN 65 F/C/W/T) L3,4,5,11 **RWY-35R**
RWY-17R L4,5,50 (12205x148 ASP PCN 66 F/B/W/T) L3,4,5,11 **RWY-35L**
SERVICE - AOE **LGT** - PAPI Rwy 17L GS 2.7°. **FUEL** - (NC-A1)
REMARKS - **CAUTION** - Bird haz.
COMMUNICATIONS - ATIS - Opr 0600-0000Z. 126.4 **APP** - (V) 121.3 **TWR** - 118.5 119.9
NAVAIDS - CASABLANCA VORW-DME - HA 114.000 BRC CH 87 N33°16.72' W7°33.44'
346° 5.6 NM to Fld. 715/3°16.0'W **CASABLANCA VORW-DME** - HA 116.900 CBA
CH 116 N33°31.29' W7°40.63' 160° 10.2 NM to Fld. 365/(A)5°00.0'W
ILS/RADAR - ➔ **ILS** - BRG 350° LCZR INR 109.9 GS 2.7° LOM NSR 282

MOJADOS, SP **LE--/LE83** CIV N41°27.88' W4°42.86' 2329 UTC+1(+2DT) **L-11B**
RWY-17 (3287x39 ASP) **RWY-35**

MOJKOVAC, YI **NDB** - MHW 308.000 MOJ N42°56.68' E19°34.53' Unk/3°05.8'E
H-4F, L-12G

MOLDE/ARO, NO See ARO

MOLLIS, SZ **LSMF** MIL N47°04.73' E9°03.89' 1485 UTC+1(+2DT) **L-9B**
RWY-01 L7,50,54 (4920x130 ASP) L7,50 **RWY-19**
SERVICE - LGT - PAPI Rwy 19 GS 6°.
REMARKS - Opr 0630-1105Z++, 1210-1605Z++ Mon-Fri. **RSTD** - PPR
COMMUNICATIONS - ARR - (R) 143.775 246.8 370.125 **TWR** - 134.825 344.35
DEP - (R) 139.5 141.4 246.8 **AFIS** - 134.825 **INFO** - 138.05 268.625
ILS/RADAR - RADAR ASR/PAR - Call - ARR 143.775 246.8 370.125

MONA, UK **EG--/EG72** MIL N53°15.52' W4°22.41' 202 UTC 0(+1DT) **H-3D-5A, L-3B**
(B) **RWY-04** L5,34,50 (5180x150 ASP) L5,50 **RWY-22**
4894→
NET RAF (EOR) NET RAF (45' OVRN)
SERVICE - LGT - ABn, red coded MA.

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REMARKS - Opr Mon-Fri. O/T as req. 24 hr PPR thru RAF Valley. **RWY** - Rptd LDA Rwy 04 is 5000'; rptd LDA Rwy 22 is 5180'.

COMMUNICATIONS - **RDO** - 118.95 **VALLEY APP** - (R) 122.225 379.95 **TWR** - 119.75 234.325 **RDR** - 125.225 258.825

NAVAIDS - **UHF/DF**

ILS/RADAR - ■ **RADAR** - ASR - Call Valley Radar 125.225 258.825 Valley APP 372.325.

MONASTIR, TS **VORW-DME** - HA 113.100 MON CH 78 N35°45.30' E10°44.88'
At HABIB BOURGUIBA INTL. 32/(A)0°13.7'W **H-9D-10E, L-14F**

MONCHENGLADBACH, GM **EDLN** CIV N51°13.82' E6°30.27' 125
UTC+1(+2DT) **L-5B**
(B) **RWY-13** L2,4,5,9,39,50 (3937x98 ASP PCN 30 F/D/W/T) L2,4,5,9,39,50 **RWY-31**

SERVICE - **LGT** - PAPI Rwy 13 GS 3.5°. **FUEL** - (NC-100LL, A1) **FLUID** - De-Ice

REMARKS - Opr 0700-1930Z++. PPR for opr 0500-0700Z++, 1930-2100Z++. **RSTD** - PPR for multi IFR apch, fone C02161-689813. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri; before 0800Z++ and aft 1200Z++ Sat, Sun, hol.
CSTMS/IMG - Avbl O/R. **MISC** - Ldg fees.

COMMUNICATIONS - **ATIS** - Opr 0700-1930Z++. **REMARKS**: (109.8 MHV) **TWR** - 118.125 25NM 4000ft aGL. **GND** - Opr 0700-1930Z++. 121.925 **LANGEN RADAR** - (R) (E) 133.775 275.8 **LANGEN INFO** - 129.875

NAVAIDS - **MONCHENGLADBACH VORW** - HA 109.800 MHV (040/15) N51°14.24' E6°29.41' At Fld. 156/(A)1°00.0'W ATIS bcst. **MONCHENGLADBACH DME** - T MHD CH 72 (025/10) N51°14.09' E6°29.52' At Fld. 159/0°03.6'E
MONCHENGLADBACH NDB - MHW 377.000 MGB N51°13.64' E6°30.32' At Fld. 125/0°03.9'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 129° LCZR I-MGE 108.95 CH 72 GS 3.5°. GS rstd N of cntrline to 6°/10 NM ➔ **ILS-DME** - BRG 309° LCZR I-MGW 110.55 CH 72 GS 3°

MONOR, HU **NDB** - HHW 288.000 MNR N47°20.27' E19°23.99' 315° 8.4 NM
to FERIHEGY. Unk/3°25.2'E **VORW-DME** - HA 112.500 MNR CH 72 N47°20.08' E19°24.33' 312° 8.7 NM to FERIHEGY. 453/(A)3°00.0'E **H-4F, L-10G**

MONTANA, SZ **DVORW-DME** - L 115.850 MOT CH 105(Y) (040/25) N46°18.80' E7°30.20' 4456/(A)0°00.0'E **H-7C, L-9B**

MONTAUBAN, FR **LFDB** CIV N44°01.54' E1°22.68' 351 UTC+1(+2DT) **L-11C**
RWY-14 L50 (3215x66 ASP S12) **RWY-32**
2592➔ ←2510

SERVICE - **LGT** - APAPI Rwy 24 GS 4°. **FUEL** - Avbl 0800-1100Z++, 1300-1800Z++ Mon-Fri (NC-100LL, A1+)

REMARKS - Opr SR-SS. **RSTD** - NORDO proh. **TFC PAT** - Low tfc pat proh.

COMMUNICATIONS - **TOULOUSE APP** - 24 hr blw 4000'. (R) 125.175

MONTBEUGNY, FR **LFHY** CIV N46°32.07' E3°25.42' 915 UTC+1(+2DT) **L-8G**
RWY-08 L1,7 (4265x98 ASP S37 T48 ST61) L1,7,9,50 **RWY-26**

SERVICE - **LGT** - PAPI Rwy 26 MEHT 48', O/R thru AFIS. **FUEL** - (NC-100LL).

REMARKS - Opr SR-SS; Ng't VFR O/R PN to AFIS.

COMMUNICATIONS - **MOULINS INFO** - Opr 0800-1100Z++, 1300-1700Z++ Mon-Fri 125.2

NAVAIDS - **MOULINS/MONTBEUGNY TVORW** - L 109.600 MBY (025/10) N46°32.48' E3°29.97' 264° 3.2 NM to Fld. Unk/0°31.0'W **VHF/DF**

MONTCEAU-LES-MINES, FR **NDB** - MHW 317.000 MM N46°36.09' E4°19.88'
Unk/0°16.6'W **H-7B, L-8H**

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MONT DE MARSAN ATCC, FR See FRANCE ACC

MONT DE MARSAN, FR LFBM MIL N43°54.70' W0°30.45' 203 UTC+1(+2DT)
H-7A-15A, L-8E-11C
RWY-09 L5,9,50 (11821x148 PEM PCN 35 R/B/W/T) L5,24,50 **RWY-27**
←61QSII 500S (32' OVRN) 61QSII 500S (49' OVRN) →
SERVICE - AOE **LGT** - Displ thld lgtd. PAPI Rwy 09 GS 3.11°. **FUEL** - (NC-100LL, A1, A1+)
FLUID - LOX **OIL** - O-156
REMARKS - Opr 0730-1600Z++ and O/R before 1530Z++ Mon-Thu; 0730-1430Z++ and O/R before 1330Z++ Fri. **RSTD** - PPR fone C.05.58.46.76.00. Show apvl nr on line 18 of FPL. NORDO proh.
COMMUNICATIONS - **MARSAN APP** - (U) 142.45 268.6 362.3 398.575
MARSAN TWR - 142.75 257.8 293.825 119.7 122.1
NAVAIDS - **MONT DE MARSAN TACAN** - HA MDM CH 24 (200/60) N43°54.60' W0°30.26' At Fld. 256/1°31.4'W **UHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 269° LCZR MDM 110.5 GS 3° ■ **RADAR** - ASR - Call Marsan RADAR - 139.675 142.525 265.9 PAR - Call Marsan GCA - 139.675 336.1 341.875.

MONTDIDIER, FR VORW - HA 113.650 MTD N49°33.16' E2°29.37' Unk/(A)3°0.0'W
H-6F, L-7D

MONTDRAGON, FR LFCQ CIV N43°46.27' E2°00.65' 581 UTC+1(+2DT) **L-11C**
RWY-10 (3166x66 ASP PCN 10 F/D/W/T) **RWY-28**
2707→ ←2510
SERVICE - **FUEL** - (NC-100LL).
REMARKS - Opr SR-SS **RSTD** - NORDO proh.

MONTELMAR, FR VORW-DME - HA 113.650 MTL CH 83(Y) (100/50) N44°33.30' E4°46.79' 656/(A)2°00.0'W **H-7B, L-8H-11D**

MONTE REAL, (AIR BASE NR 5) PO LPMR MIL N39°49.87' W8°53.24' 187
UTC 0(+1DT) **H-3A-16H, L-11A**
(B) **RWY-01** L5,8,50 (9816x148 CON PCN 27 R/A/W/T) L2,5,8,24,50 **RWY-19**
8930→ ←8953
BAK-14 UNK(B) (2081') BAK-14 UNK(B) (2056')
SERVICE - AOE **LGT** - PAPI Rwy 01,19 GS 2.5°. **A-GEAR** - O/R thru TWR/APP. Acft with COM failure exp raised barrier and/or cable. **FUEL** - 100LL, J8 **FLUID** - LHOX LOX
REMARKS - Opr 0900-1645Z++ Mon-Fri. OT and hol 1hr PN rqr thru LPAMYWYB. **NS** **ABTMT** - See AP/2 Supplementary Arprt Rmk.
COMMUNICATIONS - **APP** - Opr HO. (E) 121.7 120.475 235.05 362.3 **TWR** - Opr HO. (E) 122.1 234.0 139.55 257.8 **GND** - Opr HO. 119.725 339.0
NAVAIDS - **MONTE REAL TACAN** - HA MTR CH 33 (200/60) N39°49.96' W8°53.41' At Fld. 263/3°58.5'W **MONTE REAL NDB/LOM** - HHW 336.000 MTL N39°54.47' W8°53.02' 182° 4.6 NM to Fld. Unk/3°58.7'W
ILS/RADAR - ➔ **ILS** - BRG 186° LCZR MR 110.3 GS 2.5° LOM MTL 336. ■ **RADAR** - GCA - BY NOTAM (U) 123.3 146.25 276.65 337.7 334.0 385.4

MONTICHIARI, (BRESCIA MONTICHIARI) IT LIPO CIV N45°25.73' E10°19.83' 356
UTC+1(+2DT) **H-7C, L-9C**
RWY-14 L4,6,12,50 (9810x148 ASP PCN 69 F/B/W/T) L3,4,6,10,50 **RWY-32**
8826→ ←9170
SERVICE - **LGT** - PAPI Rwy 14 MEHT 59', PAPI Rwy 32 MEHT 62'. **FUEL** - Avbl 0500-2200Z++, OT 1 hr PN. (NC-A1)
REMARKS - Opr 0500-2300Z++, OT PPR. **RSTD** - Flw-me rqr on apron. **CAUTION** - Bird act. Ghedi Arprt with similar rwy hdg 2 NM NNW of arprt. **NS** **ABTMT** - Med/hvy acft auth Mon-Fri exc 1300-1500Z++, ctc OPS C+39 030 9656530.
COMMUNICATIONS - **GARDA APP** - Opr H24 (R) (E) 124.45 124.25 118.55 292.7 **TWR** - (V) 119.4 122.1

AIRPORT/FACILITY DIRECTORY B-303

NAVAIDS - MONTICHIARI TVORW-DME - T 117.700 BSA CH 124 (025/10) N45°26.28'
E10°18.96' At Fld. 332/1°20.4'E
BSA VOR/DME MRA 25 NM 330°-090° 11,000'
090°-180° 5000'
180°-330° 7000'

ILS/RADAR - ➔ILS-DME - BRG 314° LCZR IBS 110.55 CH 124 GS 3°

MONTIJO, (AIR BASE NR 6) PO **LPMT** MIL N38°42.23' W9°02.15' 46 UTC 0(+1DT)

H-16H, L-11A

(B) **RWY-01** L5 (7044x148 ASP PCN 16 F/C/W/T) **L5 RWY-19**
RWY-08 L5,50 (8005x148 CON PCN 36 R/C/W/U) **L2,5,24,50 RWY-26**

SERVICE - AOE **LGT** - PAPI Rwy 08 GS 2.5° MEHT 46', Rwy 26 MEHT 46'. **FUEL** - (NC-J8)
FLUID - LHOX LOX

REMARKS - Opr 0900-1645Z++ Mon-Fri. OT and hol O/R 1hr PN thru LPAMYWYB.

CAUTION - Bird haz. 0830-1130Z++ Sat, Sun model acft act 1 km cir arpt to 300' AGL.

COMMUNICATIONS - TWR - Opr HO. (E) 134.1 379.8 122.1 257.8 362.3 **GND** - Opr HO.
142.4 339.0

NAVAIDS - MONTIJO TACAN - HA MOJ CH 37 (200/60) N38°42.53' W9°01.99' At Fld.

66/3°56.7'W **MONTIJO NDB** - MHW 322.000 MIO N38°42.58' W9°02.59' At Fld.

46/3°57.0'W

MOJ TACAN unuse 290°-310° byd 15 NM blw 4000'

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

MONTLUCON, FR **NDB** - HW 335.000 MC N46°22.36' E2°29.56' 110° 3.5 NM
to DOMERAT. 1049/0°48.0'W **H-7B, L-8G**

MONTLUCON GUERET, FR **LFBK** CIV N46°13.36' E2°21.84' 1497

UTC+1(+2DT) **H-7B, L-8G**

RWY-17 L5,9,27 (6234x148 ASP PCN 20 F/C/W/T) **L5 RWY-35**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0615-1830Z++ Mon-Fri; PPR 72 hr for Sat, Sun and hol. **RSTD** - NORDO
proh.

COMMUNICATIONS - INFO - 118.4

ILS/RADAR - ➔ ILS - BRG 169° LCZR MOG 111.55 GS 3.4° LOM LPD 398

MONTMEDY, FR **VORW** - HA 109.400 MMD (060/50) N49°23.48' E5°07.47'
1076/(A)1°0.0'W (100/50 in sctr 045°-135°; 40/50 in sctr 135°-225°) **H-6G, L-6F**

MONTOIR, FR **LFRZ** CIV N47°18.73' W2°08.95' 13 UTC+1(+2DT) **H-3B-7A, L-7B**
RWY-08 L1,5,50 (7874x148 ASP PCN 46 F/D/W/T) **L1,5,9,27 RWY-26**

SERVICE - AOE **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1700Z++ Mon-Fri; 0900-1500Z++ Sat. PPR before 1200Z++ prev bus
day for Sat, Sun and hol.

COMMUNICATIONS - NANTES APP - Opr H24. 130.275 129.175 Above 1500 MSL.

SAINT NAZAIRE TWR - 118.95

NAVAIDS - SAINT NAZAIRE/MONTOIR NDB - HW 398.000 MT N47°20.03' W2°02.67'
253° 4.5 NM to Fld. 67/2°23.0'W

ILS/RADAR - ➔ILS-DME - BRG 257° LCZR MT 108.5 GS 3° LOM MT 398

MONTS D ARREE, FR **VORW** - HA 112.500 ARE (060/25) N48°19.96' W3°36.15'
588/(A)5°0.0'W **H-3C, L-7A**

MOOSBURG, GM **DVORW-DME** - HA 117.150 MBG CH 118(Y) (060/50) N48°34.40'
E12°15.66' 1658/(A)1°00.0'E 040°-055° crs excursions wi the area of border to CSFR byd
tolerances at all hgt alt. **H-6I, L-6I**

B-304 AIRPORT/FACILITY DIRECTORY

MOPTI, ML See AMBODEDJO

MORA, (SILJAN) SW **ESKM** CIV N60°57.47' E14°30.68' 634 UTC+1(+2DT) **H-2G, L-1C**
RWY-16 L5,33,50 (5951x148 ASP PCN 30 F/B/X/U) L5,23,50 **RWY-34**

SERVICE - LGT - ACTIVATE-low instst-trans 10 sec 129.85. PAPI Rwy 34 GS 3.25°. **FUEL** -
Avbl 0500-1845Z++ Mon-Fri, 1645-1945Z++ Sun. (NC-100LL, A1)

REMARKS - MISC - Ldg fees. Increased charges 0100-0500Z++, 1850-0100Z++ Mon-Fri;
H24 Sat; 0100-0650Z++, 2015-0100Z++ Sun. Opr hr of AFIS and/or FUEL may be reduced
around hol by NOTAM.

COMMUNICATIONS - AFIS - (V) 129.85 **REMARKS:** Opr 0500-0910Z++, 1535-1850Z++
Mon-Wed; 0500-0910Z++, 1115-1435Z++, 1535-1850Z++ Thu; 0500-0910Z++,
1535-1850Z++ Fri; 1650-2015Z++ Sun.

NAVAIDS - N MORA NDB/LOM - MHW 403.000 NM N61°01.87' E14°27.63' 159° 4.7 NM
to Fld. Unk/2°53.2'E

ILS/RADAR - ➔ILS - BRG 159° LCZR NKM 109.7 GS 3° LOM NM 403

MORLAIX, FR **NDB** - MHW 371.000 MLX N48°38.80' W3°45.76' 223° 3.4 NM
to PLOUJEAN. Unk/3°11.2'W **L-7A**

MORON AB, SP **LEMO** MIL (AF) N37°10.50' W5°36.96' 285 UTC+1(+2DT)

H-16H, L-11A-13C

(B) **RWY-02** L2,5,9,24,50 (11801x200 ASP PCN 54 F/A/W/T) L2,5,9,24,50 **RWY-20**
←MA-1A(MOD) CHAG (141' OVRN) BAK-12B(B) (1641')

BAK-12B(B) (1622') MA-1A(MOD) CHAG (101' OVRN) →

SERVICE - LGT - Rwy 20 ILS and PAPI RPI not coincidental. Rwy 02/20 PAPI not usable btn 8°
laterally fr cntrline. **A-GEAR** - Both BAK-12B extn and in raised posn, 30 min PN rqr for
removal. Rwy 02, Rwy 20 MA-1A S O/S UFN. **JASU** - 3(A/M32-86) 3(AM32A-60A)
3(AM32-95) **FUEL** - 100LL, J8 **FLUID** - SP LHOX LHNIT GOX **OIL** - O-142-148-153-156
H-515 **TRAN ALERT** - Avbl H24. JOAP and NDI avbl H24. Acft sys svc avbl for ftr acft,
C-21 and C-12. All others supported by aircrew ftr engineers, owning organization or AMC.
Capable of supporting ltd Nr of ftr acft for flying lcl sorties out of Moron with prior coord.

REMARKS - RSTD - All ftr exc emerg/AIREVAC PPR thru 496 ABS/OSAM Base OPS. DSN
722-8418/8419 fax 8529, C011-34-95-584-8418/8419 fax 8529. 24 hr PN rqr for wknd PPR,
48 hr PN rqr for weekend and hol PPR. Haz cargo OPS extremely ltd due to parking and
handling capabilities. 48hr PN and PPR coord is rqr in order to slot acft carrying haz cargo.
Failure to obtain PPR, or re-coord orig PPR if acft arr is exp to be more than plus/minus 2 hr
fr approved arr time may result in acft being diverted. In addn to PPR, coord with ATOC
(DSN 722-8382) is also rqr to determine haz cargo handling and stor capability. Under
non-emerg cond, no US acft tkof, ldg or gnd movement auth wo USAF ATC on duty in twr.
All acft ctc Comd Post 30 min prior to arr. B52 use Twys A and D only. Do not taxi over fuel
pit cov. PPR coord by email avbl moronPPR@moron.af.mil; ctc Base OPS if no email
response within 3 hr. **CAUTION** - Ints SAF jet trng 0800-1300Z++. Hi potential for
skidding or hydroplaning on both conc TDZ when sfc is wet. Parl twy cntrline dog-legged
btn Twys B and C. Rwy 02/20 App lgt NATO Standard, short version (1500'). HIRL lctd 55'
fr rwy edge. S BAK-12 AGM lctd 9' N of cable. N BAK-12 AGM lctd 21' S of cable. Rwy
02/20 thld lgt fixtures lctd in ovrn, 24' fr thld. **TFC PAT** - Rectangular 1500', overhead
2000', std tfc to the west, cir apch to the west. **NS ABTMT** - Rwy 02 on dep fly hdg 009,
at 3000' resume dep pro or flw ATC instr, VFR avoid ovft El Arah. Rwy 20 on dep fly hdg
219, at 3000' resume dep pro or flw ATC instr, VFR avoid ovft El Coronil. **CSTMS/IMG** -
Not avbl. **MISC** - Copter pat alt 1000'. USAF is tenant agcy; ICAO ATC pro in effect. Hr of
svc for USAF support agcy (Base OPS, Twr, Comd Post, Wx, ATOC, Tran Alert, POL) are
determined by msn rqr for exer and contingency OPS. Nml opr hr are 0700-1600Z++ wknd,
clsd wkends and hol. Rwy closure can be exp dur NASA Space Shuttle Launch OPS.
Consult NOTAMs for current info. Pilots must file FPL 3 to 4 hr prior to ETD and ck flow ctl
rstd at Base OPS. File for wx altn dur publ hrs of opr only. Ltd supply pubs/forms on hand,
aircrew must bring what is needed for dur of deployment. Ltd classified stor. No COMSEC
avbl. No hydrazine stor avbl. Fst 1000' ea end of rwy is conc, 180° turns by acft on conc
portion only. Mil TAF avbl under ICAO KQQQ. Ltd wx svc avbl thru USAF 0700-1600Z++
wknd (obs only thru SP wx). All other times wx svc avbl fr 21 OWS DSN 496-6145/6. For
non-DoD msn, ctc Spanish Base OPS via teletype msg addressed to LEMOZPX or
C34-95-596-9000. All AMC acft exc stage acft will rpt mx status and updates to MOC via
comd post.

AIRPORT/FACILITY DIRECTORY B-305

COMMUNICATIONS - PTD - 275.375 **SEVILLA APP** - 120.0 120.8 128.5 261.05 336.35
(120.8 South)(128.5 North) **TWR - (E)** 122.1 139.3 257.8 368.875 396.85 (122.1
USAF/SAF)(396.85 USAF)(139.3 257.8 340.15 SAF) **GND** - 258.9 337.9 (258.9 USAF)
(312.55 SAF) **496 ABS COMD POST** - 264.725 14665 15821 **PMSV METRO** - 284.425
REMARKS: Ltd wx/PMSV METRO svc, avbl as duties permit dur posted hr, OT provided by
21 OWS DSN 496-6145/6, C011-49-630-267-6145/6 and PMSV svc provided by Rota NS
METRO - 369.225. Svc avail 0600-1600Z Mon-Fri. Svc may be rstd due to manning or
Coronet missions.

NAVAIDS - MORON VORW-DME - HA 115.500 MRN CH 102 N37°10.50' W5°37.14' At Fld.
285/(A)4°0.0'W SAF owned and maint. O/S til 16 May 06. **MORON TACAN** - L MRN
CH 100 (040/25) N37°10.39' W5°37.18' At Fld. 285/(A)4°00.0'W MP 0600-0800Z++ Wed.
MORON NDB - HW 428.000 MNF N37°17.67' W5°33.73' 203° 7.6 NM to Fld.
Unk/2°42.0'W noncontinuous

ILS/RADAR - ILS

MORSKOGEN, NO **NDB** - MHW 347.000 MSK N60°27.34' E11°16.12' 198° 16.5 NM
to GARDERMOEN. Unk/1°27.0'E **L-1C**

MOSJOEN, NO See KJAERSTAD

MOSNOV, EZ **LKMT** CIV N49°41.78' E18°06.66' 844 UTC+1(+2DT) **H-4E-6J-8F, L-22E**
RWY-04 L6,12,50 (11484x207 CON PCN 50 R/A/X/T) L2,5,6,11,50 **RWY-22**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - CSTMS/AG/IMG - CSTMS avbl.

COMMUNICATIONS - ATIS - 118.05 **OSTRAVA APP - (R) (V)** 125.1 118.7 (118.7 Opr
HO) **TWR - (V)** 120.8

NAVAIDS - OSTRAVA VORW-DME - HA 117.450 OTA CH 121(Y) N49°41.85' E18°06.54'
At Fld. 850/3°19.4'E

ILS/RADAR - ➔ ILS - BRG 224° LCZR OSV 110.95 GS 3°

MOSTAGANEM, AG **VORW-DME** - HA 112.200 MOS CH 59 (200/40) N35°53.92'
E0°08.18' 732/0°58.0'W **NDB** - HW 334.000 MOS N35°54.55' E0°08.23' Unk/0°59.8'W
H-9B-15A-16I, L-13D

MOSTAR, BK **LQMO** CIV N43°16.97' E17°50.75' 156 UTC+1(+2DT) **H-4F, L-12F**
RWY-16 L50 (7874x158 ASP PCN 44 R/B/W/U) **RWY-34**

SERVICE - LGT - PAPI Rwy 16 3.5° **FUEL** - A1

REMARKS - Opr by NOTAM. **CAUTION** - Bird haz, drone act. 33' lgtd cross 330° 3.5 NM fr
arpt ref pt.

COMMUNICATIONS - APP - (E) 122.7 123.3 **TWR** - 124.2

NAVAIDS - MOSTAR VORW-DME - HA 116.900 MSR CH 116 N43°15.68' E17°51.34' 340°
1.4 NM to Fld. 164/(A)2°0.0'E O/S UFN **MOSTAR NDB** - MHW 425.000 DNC N43°08.25'
E17°50.84' 357° 8.7 NM to Fld. 1707/2°48.6'E

MOSUL, IZ **ORBM** A N36°18.35' E43°08.84' 709 UTC+3(+4DT) **H-13B, L-15D**
RWY-15 (8695x148 CON) **RWY-33**

SERVICE - LGT - Thld lgt instld nstd apch end Rwy 33. No apch lgt. Rwy lgt nstd. No dist
remaining markers avbl. **FUEL** - No fuel avbl for coml opr. Oil not avbl. Small quantities J8
and A1 avbl PPR only. Crews encouraged to carry round-trip fuel. **TRAN ALERT** - No Fleet
Service. All F/W acft use N prk ramp. Ctc Ramp Ops for info. DNVT 302-587-7409.

REMARKS - MISC - Req wx fcst using ICAO ident KQTU. Wx fcstr DNVT 302-581-7426 (avbl
H24 Sun-Sat). Wx radar not avbl. Remote wx brief avbl for mil H24. Wx obsn view ltd, rstd
fr 360 to 130 by flightline fac and trees. Check NOTAM (ident ORBM) at
<http://www.notams.jcs.mil> for tmpry chg in wx svc. Remote wx brief avbl for mil opr H24,
CENTAF Operational Wx Squadron (OWS) DSN 312-965-0940/0941; C +1 (803)
895-0940/0941. Ctc twr for wx. GCA DNVT 302-521-7539. Twr DNVT 302-581-8605. Ramp
ops DNVT 302-587-7409. Aflld mgr Email: orbmppr@yahoo.com. Acft opr should exp to
provide own tow bar. All acft exp interference, recpt difficulties and possible delays on all
Mosul VHF freq. UHF is pref freq for Mosul apch and twr.

B-306 AIRPORT/FACILITY DIRECTORY

COMMUNICATIONS - INFO - 127.25 APP - 119.45 259.125 TWR - 120.2 250.025
GND - 132.825 262.126 FARP - 83.5 RAMP OPS - 128.8 METRO - 33.6 131.05
ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

MOTHER TERESA, AL See TIRANA RINAS

MOUFDI ZAKARIA, AG See NOUMERAT

MOULAY ALI CHERIF, (ERRACHIDIA MOULAY ALI CHERIF) MO GMFK MIL/CIV
N31°56.85' W4°23.90' 3428 UTC 0 H-9B-16H, L-13C
RWY-13 L7,50 (10499x148 ASP PCN 45 F/A/W/T) L7,50 RWY-31
SERVICE - AOE FUEL - (NC-100LL, A1)
REMARKS - Opr SR-SS; OT O/R. Ngt flt PPR prior to 1600Z hr to Arpt Chief. RSTD - Proh
to acft not equipped with twr freq.
COMMUNICATIONS - ERRACHIDIA TWR - 24 hr PN to AD Chief. 122.7
NAVAIDS - ERRACHIDIA VORW-DME - HA 117.100 ERA CH 118 N31°55.45' W4°21.63'
308° 2.4 NM to Fld. 3432/(A)3°00.0'W ERRACHIDIA NDB - HHW 293.000 KSR
N31°55.52' W4°21.73' 306° 2.3 NM to Fld. Unk/2°16.2'W
ILS/RADAR - ➔ ILS-DME - BRG 309° LCZR ERR 109.3 CH 30 GS 3.3°

MOULINS, FR VORW-DME - HA 116.700 MOU CH 114 (080/50) N46°42.41' E3°37.90'
699/(A)2°00.0'W NDB - HW 324.000 MOU N46°42.35' E3°37.85' Unk/0°29.4'W
H-7B, L-8G

MOULINS/MONTBEUGNY, FR TVORW - L 109.600 MBY (025/10) N46°32.48'
E3°29.97' 264° 3.2 NM to MONTBEUGNY. Unk/0°31.0'W H-7B, L-8G

MRAGOWO, PL VORW-DME - HA 117.300 MRA CH 120 N53°47.09' E21°07.97'
492/(A)2°00.0'E L-21B

MRL, MU VORW-DME - HA 114.300 MRL CH 90 N18°08.53' E55°10.67' At MARMUL.
920/(A)0°0.0'E Unmto. H-14G, L-20H

MUCHOWIEC, PL EPKM CIV N50°14.29' E19°02.05' 909 UTC+1(+2DT) L-22F
RWY-05 (3640x98 CON) RWY-23
2915➔ ←2915
SERVICE - FUEL - (NC-100LL)
REMARKS - Opr 0700-1500Z++ Mon-Fri.
COMMUNICATIONS - KATOWICE AERO - Avbl dur flt act 122.9
KATOWICE INFO - 122.7

MUKALLA INTL, (RIYAN) YM OYRN CIV N14°39.76' E49°22.50' 54 UTC+3
H-14G, L-20H
(B) RWY-06 L5,43 (9846x148 ASP PCN 60 F/B/W/U) L5,12,43 RWY-24
SERVICE - FUEL - (NC-A1)
COMMUNICATIONS - RDO - 5658 7595 8919 11300 13288 (5658 AFI-3) (7595 MID-1)
TWR - (V) 118.3 119.5 GND - 121.9
NAVAIDS - RIYAN VORW-DME - HA 116.000 RIN CH 107 N14°40.25' E49°23.49' 243°
1.1 NM to Fld. 90/(A)0°00.0'E

MUMBAI ACC, (BOMBAY ACC) IN VABF (NAA) CON - 120.5 125.9 127.9 132.6 A/G:
RDO - MID-2 -3467 5658 10018 13288 AFI -3467 5658 11300 13288 INO-1 -5634 8879
H-14H, L-20H

MUNCHEN ACC/UACC/FIS, GM **EDMM** (CIV) **RADAR/CON - (E)** 124.05
 124.825 **128.815+ d128.975** 129.1 129.45 129.55 **129.525 131.050 132.14+** 132.55
132.73+ 132.88+ 133.36+ 133.55 **133.575** 133.675 **133.755+ 134.15** 136.525 (126.45
 altn freq for S FIR svc)(124.125 altn freq for N FIR svc) **242.2 247.675** 259.0 **280.35** 284.2
296.775 338.575 **357.0** 368.95 **369.8** 371.7 **375.25** 378.45 (118.975 298.825 (119.525X
 altn freq) apch EDQC EDQD EDQM EDDN) (124.175 379.925 apch EDDP EDAC)132.3
 386.775 apch EDDE)(125.625 264.925 apch EDDC EDAB) **FIS - Call INFO - (E)** (120.65
 126.95 262.75 S Munchen FIR up to FL 100/FL 135) (125.8 372.225 N Munchen FIR to
 FL100 AIRMET + SIGMET). **MONITOR** - 250.85 277.725 (Call TRAMON EDR207/307)
 356.725 (Mil VFR/IFR) **REMARKS** - + sign means 8.33khz spacing. **VHF/UHF/DF**
H-6I, L-6H, I-9C, D-10E

MUNCHEN, (MUNICH) GM **EDDM** CIV N48°21.23' E11°47.17' 1487 UTC+1(+2DT)
VFR, H-6I, L-6I
 (B) **RWY-08L** L2,3,4,5,9,11,50 (13123x197 CON PCN 90 R/A/W/T) L2,3,4,5,9,11,50 **RWY-26R**
RWY-08R L2,3,4,5,9,11,50 (13123x197 CON PCN 90 R/A/W/T) L2,3,4,5,9,11,50 **RWY-26L**

SERVICE - AOE **LGT** - ABn flg W. PAPI Rwy 08L MEHT 55', PAPI Rwy 26L MEHT 53', PAPI
 Rwy 08R MEHT 53', PAPI Rwy 26R MEHT 55'. **FUEL** - A1 (Total Munchen Fueling Services)
 avbl 0400-2300Z++ fone C49-8997590911, OT C49-8997590910. (NC-100LL). **FLUID** - OX
 PRESAIR

REMARKS - **RSTD** - F/W acft under 4410 lb and F/W VFR acft PPR. No multi apch and dep
 1100Z++ Sat-0500Z++ Mon and hol, OT PPR. 2100-0500Z++ dly sked and PPR OPS only.
 Max wgsan Twy D6, Ramp 10, Ramp 11 98'. **CAUTION** - For apch and dep to/fr helipad
 ctc ATC for ldg and ovft instr. Do not deviate frm twy ctrln unless advised by control.
NS ABTMT - On ldg use reverse thrust only to extent of safety. **MISC** - Call De-Ice coord
 at least 15 min prior to off-block.

COMMUNICATIONS - **ATIS** - Opr 0320-2250Z++. 123.125 **RADAR - (R) (E)** 123.9 127.95
 259.55 338.8 (123.9 North blw FL95)(127.95 South blw FL95)(338.8 altn)
DIRECTOR - (R) (E) 118.825 259.55 **ARR - (R) (E)** 120.775 128.025 259.55 (128.025 North
 FL95-FL195)(120.775 South FL95-FL195)(249.85 Alt) **TWR** - 118.7 120.5 119.4 378.35
 (118.7 N Rwy 08L-26R)(120.5 S Rwy 08R-26L)(119.4 altn) **REMARKS**: Copters - dep N use
 118.7, dep S use 120.5) **GND - (E)** 119.4 121.825 121.925 (121.975 N Rwy
 08L-26R)(121.825 S Rwy 08R-26L)(119.4 altn) **CLNC DEL - (E)** 121.725 337.75 (Initial call
 and start-up req)(119.4 altn) **LCL RADAR** - Opr SR-30-SS+30. (R) (E) 131.225 262.75 (Flt in
 Class C) **APRON - (E)** 121.7 121.775 121.925 (121.7 Ramp 2,3,10,11 and 12) (121.775
 Ramp 1) (121.925 Ramp 7,8,9 and Maint) **INFO** - 120.65 126.95 262.75

NAVAIDS - **MUNCHEN VORW-DME** - HA 112.300 MUN CH 70 (040/50) N48°10.82'
 E11°48.96' 352° 10.5 NM to Fld. 1802(A)1°00.0'E (60/50 045°-112°, 80/50 112°-158°,
 60/50 158°-225°, 80/50 225°-315°) **MUNCHEN DME** - T DMN CH 107 (025/10)
 N48°22.01' E11°47.64' At Fld. 1463/1°41.8'E **MUNCHEN DME** - T DMS CH 23 (025/10)
 N48°20.44' E11°46.69' At Fld. 1495/1°41.6'E **MUNCHEN NDB/LOM** - MHW 369.000
 MNE N48°21.32' E11°40.56' 090° 4.4 NM to Fld. Unk/1°40.1'E **MUNCHEN NDB/LOM** -
 MHW 400.000 MSW N48°21.14' E11°54.23' 270° 4.7 NM to Fld. Unk/1°43.6'E
MUNCHEN NDB/LOM - MHW 338.000 MNW N48°22.46' E11°54.85' 255° 5.3 NM to Fld.
 Unk/1°43.7'E **MUNCHEN NDB/LOM** - MHW 358.000 MSE N48°20.00' E11°39.17' 076°
 5.5 NM to Fld. Unk/1°39.0'E **VHF/UHF/DF**

ILS/RADAR - ILS

MUNICH, GM See MUNCHEN

MUNSTER OSNABRUCK, GM **EDDG** CIV N52°08.08' E7°41.09' 160
 UTC+1(+2DT) **H-5C-6H, L-5B**
 (B) **RWY-07** L2,4,5,39,50 (7119x148 ASP PCN 68 F/B/X/T) L2,3,4,5,9,11,50 **RWY-25**
 ←6463

SERVICE - **LGT** - PAPI Rwy 07 MEHT 50', PAPI Rwy 25 MEHT 51'. **FUEL** - Avbl
 0400-2200Z++ Sat, Sun. OT 30 min PN. (NC-100LL, A1)
REMARKS - **RSTD** - Avoid ovft of towns Ladbergen and Greven. IAP unavbl 2200-0500Z++.
CAUTION - Bird haz. **CSTMS/IMG** - Avbl. **MISC** - Gldr act N of arpt. Arpt fone
 C02571-91333.
COMMUNICATIONS - **ATIS** - Opr 0520-2050Z++. 127.175 60NM/FL200 **TWR - (E)** 129.8
 314.925 **GND** - Opr 0500-2030Z++. 121.875 314.925 **LANGEN INFO** - 123.525
LANGEN RADAR - (R) (E) 129.3 387.825

B-308 AIRPORT/FACILITY DIRECTORY

NAVAIDS - MUNSTER DME - T MOD CH 87(Y) (025/10) N52°08.28' E7°41.23' At Fld. 207/0°23.5'E **GREVEN NDB/LOM** - MHW 305.000 MST N52°06.61' E7°34.30' 071° 4.4 NM to Fld. Unk/0°21.3'E **MUNSTER NDB/LOM** - MHW 371.000 MYN N52°09.56' E7°48.00' 251° 4.5 NM to Fld. Unk/0°25.6'E **VHF/UHF/DF**
MOD DME unuse 280° - 025° blw 5000

ILS/RADAR - ILS. Rwy 07 ruf GP signal 4-10NM possible no auto coupled apch or ldg.

MUQATRA, AE See AL DHAFRA

MURCIA SAN JAVIER, SP LELC MIL/CIV N37°46.50' W0°48.74' 11

UTC+1(+2DT) **H-15A-16I, L-11B-13D**

(B) **RWY-05** L6,9,50

(CLSD 7546x197 ASP

L6,9,50 **RWY-23**

PCN 45 F/D/W/T)

←UNK (49' OVRN)

UNK (33' OVRN) →

RWY-05L

(CLSD 2867x197 GRS)

RWY-23R

RWY-14

(2625x197 GRS)

RWY-32

SERVICE - LGT - ABn avbl O/R. PAPI Rwy 05-23 GS 2.8". **A-GEAR** - Rwy 23 A-G O/S til 17 Apr 06 est. **FUEL** - (NC-100LL, A-1,B, J8) **OIL** - O-125 -142 -156 -157 -228, H-515

REMARKS - Opr 0600-2230Z++ O/T subj to flt tng act. O/R 2 hr PPR. **RSTD** - PPR intl tfc. Rwy 14-32, rwy 05-23 clsd til 10 Apr 06 est. **CAUTION** - Fst 328' Rwy 05-23 unsvc for jet tkof. WIP new Rwy 05L-23R. **CSTMS/IMG** - Avbl with PPR **MISC** - SAF opr 0600-2230Z++ (OT O/R 2 hr).

COMMUNICATIONS - SAN JAVIER APP - 130.3 387.6 **SAN JAVIER TWR - (E)** 130.3 138.3 139.3 118.2 257.8 (138.3 139.3 257.8 MIL)(130.3 118.2 CIV/MIL)

SAN JAVIER GND - 121.6

NAVAIDS - MURCIA/SAN JAVIER VORW-DME - HA 113.000 VSJ CH 77 N37°46.79' W0°48.77' At Fld. 11/1°17.1'W **MURCIA/SAN JAVIER TACAN** - HA VSJ CH 77 N37°46.80' W0°48.77' At Fld. 11/1°17.1'W **MURCIA/SAN JAVIER NDB/LOM** - HW 381.000 LCZ N37°40.58' W0°56.36' 047° 8.4 NM to Fld. Unk/1°19.0'W

ILS/RADAR - ILS

MURI, SZ NDB - MHW 312.000 MUR N46°56.77' E7°28.01' 147° 2.3 NM to BERN BELP. 1837/0°35.1'E **H-7C, L-9B**

MURITZ, GM See RECHLIN LARZ

MURMANSK ACC, RS ULMM (CIV) (R) CON - 132.1 132.1 MURMANSK OCEANIC CON - 126.9 4672 5694 8950 11390. **ENAME H-1D, L-1D, T2-G**

MURMANSK, RS ULMM CIV N68°46.90' E32°45.05' 266 UTC+3(+4DT) **H-1D, L-1D** **RWY-14** L7,20 (8202x148 CON PCN 29 R/B/X/T) L7,33,50 **RWY-32**

SERVICE - FUEL - Opr H24. (NC-TS1)

REMARKS - Opr 0400-2100Z++.

COMMUNICATIONS - TWR - Opr H24. 120.3 **METEO** - Opr H24. 127.4

NAVAIDS - MURMANSK NDB/LOM - HW 635.000 RD N68°44.60' E32°49.10' 328° 2.7 NM to Fld. Unk/13°45.0'E **MURMANSK NDB/LOM** - HW 635.000 PF N68°49.40' E32°40.10' 144° 3.1 NM to Fld. Unk/13°42.0'E

ILS/RADAR - → ILS - BRG 135° LCZR IPF 110.3 GS 2.7° LOM PF 635. **→ ILS** - BRG 315° LCZR IRD 108.5 GS 3.0° LOM RD 635.

MUS, TU LTCK MIL/CIV N38°44.87' E41°39.67' 4157 UTC+2(+3DT) **H-13B, L-15D** (B) **RWY-11** L5,50 (11649x148 ASP) L2,5,33,50 **RWY-29** ←BEFAB (147' OVRN) 500S(B) (1400') 500S(B) (1402')

SERVICE - FUEL - (NC-J8)

REMARKS - Opr by NOTAM.

COMMUNICATIONS - APP - (E) 122.1 257.8 362.3 **TWR - (E)** 122.1 257.8 362.3 **GND** - 121.95 251.25

AIRPORT/FACILITY DIRECTORY B-309

NAVAIDS - MUS VORW-DME - HA 111.200 MUS CH 49 N38°44.88' E41°39.67' At Fld.
4173/(A)3°00.0'E **MUS NDB** - HHW 319.000 MUS N38°44.88' E41°39.67' At Fld.
4157/4°53.6'E
MUS VOR-DME unuse 160-260 byd 10 NM blw 12000

ILS/RADAR - ➔ILS-DME - BRG 292° LCZR IMUS 108.5 CH22 GS 3.4°

MUSCAT ACC, MU **OOMM** (CIV) **CON - N SCTR - (R) (V)** 128.15 **E SCTR** - 123.95 **W SCTR** - 124.7 **INFO** - 123.95 (5658 10018 Opr SR-SS) **VOLMET** - 127.4
H-13D, H-14G, H, L-18H-20H

MUT, TU **VORW-DME** - HA 112.300 MUT CH 70 N36°51.85' E33°17.53' 5791/(A)2°00.0'E
H-13A-16F, L-15B

M VISENTINI, IT See RIVOLTO

MYGGENES, FO **NDB/LOM** - HHW 337.000 MY N62°06.42' W7°35.27' 115° 9.1 NM
to VAGAR. Unk/8°12.4'W **H-1B-2E, L-1A**

MYS SCHMIDTA ACC, RS **UHMI** (CIV) **(R) CON** - 135.1 135.1 Opr
2100-0600Z+-. **T-2G**

NACKA, SW **NDB** - MHW 335.000 NAK N59°17.68' E18°10.71' 293° 8.1 NM to BROMMA.
Unk/4°17.6'E **H-2H, L-2G**

NADOR ARWI, MO **VORW-DME** - HA 116.000 ARI CH 107 N34°59.20' W3°01.75'
At EL AROUI. 574/1°52.1'W **H-9B, 16H, L-13C**

NAFOORA M4, LY **NDB** - MHW 390.000 OV N29°14.00' E21°33.00' Unk/2°21.5'E
H-10F, L-14G-20E

NAGYCSERKESZ, HU **NDB** - HHW 409.000 NCS N47°57.65' E21°31.82'
Unk/3°55.7'E **L-10G**

NAJA, IR **OIIM** MIL N35°46.58' E50°52.86' 4040 UTC+3:30 **H-13C, L-17B** **RWY-31**
RWY-13 (3630x65 ASP)
SERVICE - FUEL - (NC-J4)
REMARKS - Opr SR-SS **RSTD** - 24hr PPR for mil acft.
COMMUNICATIONS - TWR - 130.1

NAMEST, EZ **LKNA** MIL N49°09.95' E16°07.50' 1548 UTC+1(+2DT) **H-4E-6J, L-6J-22E**
RWY-13 L5,12,50 (7850x147 CON PCN 28 R/B/W/T) L2,5,12,50 **RWY-31**
UNK (394' OVRN) UNK (578' OVRN)

SERVICE - LGT - Non std mil lgt sys. **JASU** - Non std. **FUEL** - (NC-A1) **FLUID** - OX

COMMUNICATIONS - APP - 120.225 266.2X **TWR** - 126.25 121.85

PRECISION (R) 123.3 283.9

NAVAIDS - NAMEST NDB - HHW 563.000 LA N49°08.19' E16°10.78' 307° 2.8 NM to Fld.
Unk/2°49.0'E **NAMEST NDB** - HHW 514.500 XU N49°11.84' E16°04.01' 128° 3.0 NM
to Fld. Unk/2°47.5'E

ILS/RADAR - ■ RADAR - PAR - Call PRECISION 283.9 123.3

NAMSOS, NO **NDB** - MHW 329.000 NMS N64°29.70' E11°48.52' 535/1°44.2'E
H-1C, L-1C

NANCY, FR **TACAN** - HA NAY CH 115 (040/25) N48°35.02' E5°57.11' At OCHEY.
1115/0°04.2'E (60/25 135°-330°) **H-6G, L-6F**

B-310 AIRPORT/FACILITY DIRECTORY

NANTES ATLANTIQUE, FR LFRS CIV N47°09.19' W1°36.64' 90 UTC+1(+2DT)

H-7A, L-7B
(B) RWY-03 L2,3,4,5,11 (9514x148 ASP PCN 49 F/C/W/T) L4,5,9,50 RWY-21
←8820

SERVICE - AOE LGT - PAPI Rwy 21 GS 3.1°. FUEL - (NC-100LL, A1)
REMARKS - RSTD - Vis apch proh 2200-0500Z++. CAUTION - Bird haz.
COMMUNICATIONS - ATIS - 126.925 APP - (R) 130.275 129.175 To FL100
TWR - 118.65 129.175 GND - 121.875 INFO - 129.875
NAVAIDS - NANTES VORW-DME - HA 115.500 NTS CH 102 (150/50) N47°09.65'
W1°36.78' At Fld. 82/(A)4°0.0'W (100/50 315°-045°) NANTES NDB - HW 369.000 GL
N47°03.17' W1°41.27' 028° 6.8 NM to Fld. 61/2°13.0'W VHF/DF
ILS/RADAR - ➔ ILS-DME - BRG 030° LCZR NT 109.9 CH 36 GS 3°

NAPLES CAPODICHINO, IT See CAPODICHINO

NARVIK, NO See EVENES

NATANIA, IS VORW-DME - HA 112.400 NAT CH 71 N32°19.92' E34°58.08'
100/(A)2°00.0'E NAT VOR not to be used exc along ATS rts. See AP/2 for restrictions.
H-13A-16G, L-16F, T-2F

NATTA, SW VORW-DME - HA 113.000 NAT CH 77 (080/50) N66°44.79' E21°19.35'
1258/(A)5°30.0'E H-1C, L-1D

NATTENHEIM, GM VORTACW - HA 115.300 NTM CH 100 (060/50) N50°00.95'
E6°31.91' 1388/(A)0°00.0'E H-6H, L-6G

NAVAS, SP DVORW-DME - HA 114.950 NVS CH 96(Y) N40°22.12' W4°14.97'
2516/(A)3°00.0'W H-3A-16I, L-11B

NAVY SIGONELLA, IT TACAN - T NSY CH 49 N37°24.02' E14°55.29'
At SIGONELLA. 81/2°01.0'E
NSY TACAN unuse
000°-020° byd 25 NM
050°-090° byd 31 NM blw 6000'
090°-160° byd 33 NM blw 6000'
160°-240° byd 30 NM blw 6200'
350°-360° byd 33 NM blw 13,000'

L-14F

N'DJAMENA FIC, CD FITT (CIV) INFO - 128.1 2878 2878 5493 5493 5652 5652
8873 8873 8894 8894 8903 8903 13294 13294 H-12F, L-19D-20E

NDJAMENA HASSAN DJAMOUS, (NDJAMENA) CD FITTJ MIL/CIV
N12°08.02' E15°02.04' 968 UTC+1 L-19D
RWY-05 L5,12 (9186x148 ASP PCN 63 F/C/X/U) L5,50 RWY-23
SERVICE - AOE LGT - PAPI Rwy 23 GS 2.86°. FUEL - A1 (Mobil Oil Chad, fone
C235-51-2492.) (NC-100LL)
REMARKS - RSTD - NORDO proh. MISC - Acft abv 88,000 lbs make 180° turns on turnpads
only.
COMMUNICATIONS - APP - 119.7 118.1 TWR - 118.1 119.7 INFO - 128.1 5493 5652
8873 8894
NAVAIDS - NDJAMENA VORW-DME - HA 115.300 FL CH 100 N12°08.50' E15°02.30'
At Fld. 994/0°04.8'W
ILS/RADAR - ➔ ILS-DME - BRG 047° LCZR IFL 109.9 CH 100 GS 3.0° LOM LY 370

AIRPORT/FACILITY DIRECTORY B-311

NEA ANCHIALOS, GR LGBL MIL N39°13.18' E22°47.66' 83 UTC+2(+3DT)

H-15D, L-12G

(B) **RWY-08** L7,23,50 (9052x148 ASP PCN 27 F/B/X/U) L7,33,50 **RWY-26**

←61QSI UNK (187' OVRN) HOOK UNK(B) (1715')

HOOK UNK(B) (1749') 61QSI UNK (121' OVRN) →

SERVICE - LGT - PAPI Rwy 08, 26 GS 2.5° . **A-GEAR** - 10 min PN rqr. **JASU** - 1(MA-3MPSU) 1(MA-1A) 1(MC-1A) 1(MD-3) 1(ST-22/28) **FUEL** - (NC-100LL, 115, J4, A1) **FLUID** - LHOX LOX

REMARKS - Opr by NOTAM. **CAUTION** - Twy H clsd. Parl twy S of Rwy 08-26 WIP both ends, has same rwy markings as active rwy.

COMMUNICATIONS - ALMIROS APP - (V) 120.35 122.1 362.3

ALMIROS TWR - (E) 122.1 257.8

NAVAIDS - ANCHIALOS VORW-DME - L 110.400 AGH CH 41 (040/25) N39°12.97' E22°47.52' At Fld. 65/(A)0°0.0'E **NEA ANCHIALOS TACAN** - T ANL CH 103 (100/25) N39°12.83' E22°44.65' 080° 2.3 NM to Fld. 313/3°16.0'E Opr SR-SS.

NEA ANCHIALOS NDB - HW 335.000 NAN N39°13.10' E22°47.97' At Fld. Unk/3°16.5'E O/S UFN. **UHF/DF**

ILS/RADAR - ■RADAR - ASR - Call ALMIROS GCA - 122.0 344.0 PAR - Call FINAL CONTROLLER - 120.35 123.3 385.4 Opr 0530L-1300L, OT and hol 30 min PN.

NEFTA, TS DTTZ CIV N33°56.38' E8°06.63' 287 UTC+1(+2DT) **H-9D, L-14E**

(B) **RWY-09** L5,9,38,50 (10581x148 ASP PCN 48 F/B/Y/U) L5,9,50 **RWY-27**

SERVICE - AOE LGT - ABn altn green/W ev 5 sec. **FUEL** - (NC-A1)

REMARKS - Opr 0700-1600Z Mon-Fri; (0600-1200Z Mon-Fri DT; 0700-1300Z Mon-Fri Ramadan.) **RSTD** - PPR. **CAUTION** - P-line crossing apch end Rwy 27 NE to SW.

COMMUNICATIONS - TOZEUR APP - 120.7 **TOZEUR TWR - (V)** 118.2

NAVAIDS - TOZEUR VORW-DME - HA 117.000 TON CH 117 (135/30) N33°56.46' E8°06.02' At Fld. 289/(A)2°00.0'W **NEFTA NDB** - HW 375.000 ZN N33°56.39' E8°00.31' 090° 5.3 NM to Fld. Unk/0°42.7'E

ILS/RADAR - ➡ILS - BRG 089° LCZR TOZ 110.5 GS 3°

NEJLAN, SA OENG CIV N17°36.69' E44°25.15' 3982 UTC+3 **H-14F, L-20G**

(B) **RWY-06** L6,43 (10007x147 ASP PCN 21 F/A/W/T) L6,43 **RWY-24**

HOOK UNK (160' OVRN)

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0400-1100Z. **RSTD** - PPR, 3 hr PN.

COMMUNICATIONS - CTAF - 122.8 **TWR** - Opr 0400-1600Z (E) 118.5 355.9

GND - 121.9 **FIRE RESCUE SVC** - Ctc 15 mins prior to arr. 133.5

NAVAIDS - NEJLAN DVORTACW - HA 116.700 NEJ CH 114 N17°36.41' E44°24.93' At Fld. 3957/(A)1°00.0'E

ILS/RADAR - ➡ILS-DME - BRG 059° LCZR I-NEJ 109.3 CH 114 GS 3°

NEMA, MR GQNI CIV N16°37.32' W7°18.99' 758 UTC 0 **H-11C, L-19B**

RWY-09 L55 (6890x100 ASP) L55 **RWY-27**

REMARKS - Opr SR-SS, and O/R 24 hr to GQNNYDYX.

COMMUNICATIONS - INFO - Opr HS and O/R 24 hr PN to NOUAKCHOTT 118.1

VOICE RDO - Opr HS and O/R 24 hr PN to NOUAKCHOTT 5680

NAVAIDS - NEMA VORW - HA 115.300 NM N16°37.43' W7°15.66' 273° 3.2 NM to Fld. Unk/4°27.2'W O/R 12 hr to GQNNZPZX.

NERATOVICE, EZ VORW-DME - T 108.600 NER CH 23 (025/10) N50°21.99' E14°37.28' 224° 12.5 NM to VODOCHODY. 221° 21.2 NM to RUZYNE. 1000/2°28.4'E

H-6I-8F, L-6J, T-1A

NEUBRANDENBURG, (TROLLENHAGEN) GM ETNU MIL/CIV

N53°36.13' E13°18.36' 228 UTC+1(+2DT) **H-5D, L-5D**

(B) **RWY-09** L2,5,24,50 (7522x148 CON PCN 75 R/B/W/T) L2,5,24,50 **RWY-27**

44B-2D(B) (1122') 44B-2D(B) (1122')

B-312 AIRPORT/FACILITY DIRECTORY

SERVICE - A-GEAR - HOOK 44B-2D(B) O/R 15 min. **JASU** - 1(AEG 30 KVA) 1(RST 180)(LECH 90 KVA) **FUEL** - J8. Hot reful avbl O/R in FPL. (NC-100LL, A1) **FLUID** - LHOX **OIL** - O-148

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. PPR F/W acft. (Civ 0700-1700Z, 0600-1800Z DT, OT PPR). **RSTD** - PPR for mil F/W acft and mil copter with pressure reful sys. **CAUTION** - Numerous clsd twy. Lgt twr 369', 3002' SW(194°) of rwy cntr. Lgt twr 357', 1503' SW(179°) of rwy cntr. Lgt twr 343', 6190' N(029°) of rwy cntr. Lgt twr 449', 9186' N(351°) of rwy cntr. Lgt twr 343', 487' SW(208°) of rwy cntr. 2 lgtd floodlgt masts 279', 3380' to 4000' NW(293°) from rwy ctr. **NS ABTMT** - Avoid ovft of Neubrandenburg, Neverin, Trollenhagen and Podewall. **CSTMS/IMG** - CSTMS and IMG O/R 2 hr prior to ETD/ETA. **MISC** - Fone C(0395) 463-0 extn 2321. Class D Airspace, OT Class E.

COMMUNICATIONS - BERLIN CON - (R) (E) 126.175 363.575 **RADAR** - (R) (E) 123.3 129.0 143.75X 242.0 344.0 358.75 385.4 372.425X **TWR** - (E) 119.175 122.1 257.8 369.35 **BERLIN INFO** - 132.65 251.375 **APRON** - (E) 122.05

NAVAIDS - NEUBRANDENBURG TACAN - HA NEG CH 17(Y) (050/30) N53°36.28' E13°18.52' At Fld. 270/(A)Z°00.0'E **NEUBRANDENBURG NDB/LMM** - MHW 357.000 NRG N53°36.17' E13°20.30' 268° 1.2 NM to Fld. 264/2°11.0'E

ILS/RADAR - **ILS** - BRG 266° LCZR INEW 108.75 GS 3° LMM NRG 357. **RADAR** - ASR/PAR - 123.3 129.0 242.0 277.925

NEUBURG, GM **ETSN** MIL N48°42.66' E11°12.69' 1249 UTC+1(+2DT) **H-6I, L-6H**
(B) **RWY-09** L2,5,9,33,50 (8005x98 ASP) L2,5,9,33,50 **RWY-27**
HOOK 44B-2D(B) (16' OVRN) HOOK 44B-2D(B) (1503')
HOOK 44B-2D(B) (1300') HOOK 44B-2D(B) (16' OVRN)

SERVICE - AOE **A-GEAR** - Rwy 09 HOOK 44B-2D (1503') O/R 10 min. Rwy 27 HOOK 44B-2D (1300') O/R 10 min. **JASU** - A(GPE-160/180) 1(RST-180) **FUEL** - J8 **FLUID** - LOX **OIL** - O-133-148-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - PPR 48 hr PN. No practice apch btn 1130-1300Z++. **CAUTION** - Gldr act 0900Z++-SS Sat, SR-SS Sun and hol to 3000' 3 NM rad of arpt in VMC only. Exp apch dly. **MISC** - Cross svcg ltd Mon-Thu aft 1600Z++ and Fri aft 1100Z++. Touch and go ldg or lo apch allowed only once aft 1600Z++. Rwy ldg sfc has anti-skid layer. Fone C08431-643-0 extn 2722. R/W reful only at R/W ldg area SE of rwy cntr.

COMMUNICATIONS - MUNCHEN CON - (R) (E) 136.525 242.2 **DONAU TWR** - (E) 122.1 129.85 138.15X 257.8 369.1 240.4X **DONAU RADAR** - (R) (E) 123.3 130.15 138.8X 139.15X 275.65 344.0 385.4 281.475X 284.275X 314.375X

NAVAIDS - NEUBURG TACAN - HA NEU CH 26 (040/25) N48°42.75' E11°12.66' At Fld. 1296/1°32.7'E
NEU TACAN MRA 000°-280° at 40 NM 3200'
280°-360° at 40 NM 4700'

ILS/RADAR - **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

NEUENLANDERFELD, GM See BREMEN

NEUHARDENBERG, (WRIEZEN) GM **EDON** PVT N52°36.78' E14°14.56' 35
UTC+1(+2DT) **H-5E, L-5D**
RWY-08 (7874x164 CON PCN 53 R/B/W/T) **RWY-26**

REMARKS - Opr PPR

COMMUNICATIONS - BERLIN INFO - 132.65 251.375 **INFO** - 119.125 25NM to 4000 ft AGL

NEUHAUSEN OB ECK, GM **EDSN** PVT N47°58.59' E8°54.24' 2648
UTC+1(+2DT) **L-6H**

RWY-09 (4094x98 ASP) **RWY-27**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0800Z++-SS+30/1700Z++, 0400-0800Z++ and 1700-2000Z++ PPR, Mon-Fri, O/T 2hr PPR. **CAUTION** - Self-launching gldr act.

COMMUNICATIONS - ZURICH INFO - 124.7 **INFO** - 130.5 15NM 3000 ft AGL.

AIRPORT/FACILITY DIRECTORY B-313

NEVERS, FR VORW - HA 113.400 NEV (080/50) N47°09.18' E2°55.76' 593/(A)3°0.0'W
(60/50 btn 045°-135°) **H-7B, L-7D-8G**

NEWCASTLE, UK EGNT CIV N55°02.25' W1°41.50' 266 UTC 0(+1DT)
H-2E,3D-5A, L-3C
RWY-07 L3,4,5,11,50 (7642x151 ASP PCN 65 F/B/W/T) L3,4,5,11,50 **RWY-25**
7248→ ←7196
SERVICE - AOE **FUEL** - (NC-100LL, A1) **OIL** - O-117-123
REMARKS - **RWY** - Rwy 07 rpt LDA 7247' Rwy 25 6972'
COMMUNICATIONS - **ATIS** - 118.375 **APP** - (R) (U) 124.375 284.6 **TWR** - 119.7
GND - 121.725
NAVAIDS - **NEWCASTLE VORW-DME** - HA 114.250 NEW CH 89(Y) (200/50) N55°02.31'
W1°41.90' At Fld. 274/(A)5°00.0'W
ILS/RADAR - ➔ **ILS-DME** - BRG 069° LCZR I-NC 111.5 CH 52 GS 3° ➔ **ILS-DME** - BRG 249°
LCZR I-NWC 111.5 CH 52 GS 3° LCTR NT 352 ■ **RADAR** - Call RADAR - 124.375 125.825
284.6

NEW GALLOWAY, UK NDB - HW 399.000 NGY N55°10.65' W4°10.12'
Unk/4°36.7'W Unuse byd 35 NM. **L-3C**

NIAMEY FIC, NG DRRR (CIV) **INFO** - E Sctr - **3419** 3419 **5652** 5652 **6586** 6586
8894 8894 **8903** 8903 **13294** 13294 W Sctr - **2878** 2878 **5493** 5493 **6586** 6586 **8903**
8903 **13273** 13273 **H-11C, D-12E, L-19B, C, D**

NIAMEY, NG See DIORI HAMANI

NICE ATCC, FR See FRANCE ACC

NICE, FR VORW-DME - HA 112.400 NIZ CH 71 (150/50) N43°46.24' E7°15.26' 194° 6.9 NM
to COTE D AZUR. 2822/0°37.7'E (200/50 to S) **NDB** - MHW 399.000 LEZ N43°43.52'
E7°19.60' 230° 6.3 NM to COTE D AZUR. Unk/0°38.9'E **H-7C-15B, L-11D**

NICE COTE D AZUR, FR VORW-DME - HA 109.650 AZR CH 33(Y) N43°39.58'
E7°13.47' At COTE D AZUR. 12/0°37.0'E **NDB** - MHW 428.000 MUS N43°23.08'
E6°36.38' 1500/0°28.8'E **H-7C, L-11D**

NICKY, BE DVORW-DME - HA 117.400 NIK CH 121 (060/50) N51°09.90' E4°11.03' 083°
10.5 NM to DEURNE. 119/(A)2°00.0'W (100/50) **H-6G, L-5A**

NICOSIA ACC, CY LCCC (CIV) **CON** - 126.3 125.5 124.2 353.8. (When tfc warrants
NICOSIA FIR will be sctr into E and W. W sctr 125.5. E sctr 126.3)
H-10H-13A, L-15A, B-16E, F

NIEDERRHEIN, (LAARBRUCH) GM EDLV CIV N51°36.14' E6°08.53' 106
UTC+1(+2DT) **H-6H, L-5B**
(B) **RWY-09** L5,37,50 (8005x148 PEM PCN 45 R/B/W/T) L5,37,50 **RWY-27**
SERVICE - **FUEL** - (NC-100LL, A1) **FLUID** - De-Ice O/R.
REMARKS - Opr 0400-2300Z++ **RSTD** - ICAO certified acft up to and incl Code C with
MTOW less than 661,380 lbs and B757 permitted until 31 Oct 06. 3-4 eng acft with MTOW
more than 264,550 lbs and A340 type acft proh until 31 Oct 06. **CAUTION** - Extv glldr
act. **CSTMS/IMG** - CSTMS avbl 0400-2300Z++. IMG avbl 0630-2130Z++ Mon-Fri,
0700-1800Z++ Sat, 1130-2215Z++ Sun, OT PPR 24 hr PN.
COMMUNICATIONS - **ATIS** - Opr 0320-2250Z++. 124.45 **TWR** - 129.4 25NM 4000 ft /
GND **LANGEN RADAR** - 128.5 277.35 **LANGEN INFO** - 129.875
NAVAIDS - **NIEDERRHEIN DME** - L NID CH 102 (040/20) N51°36.00' E6°08.49' At Fld.
152/0°05.0'W

B-314 AIRPORT/FACILITY DIRECTORY

ILS/RADAR - ➔ ILS - BRG 272° LCZR I-NIW 110.7 GS 3° LCTR LAA 352.

NIEDERSTETTEN, GM **ETHN** MIL N49°23.51' E9°57.49' 1536 UTC+1(+2DT)

VFR, L-6H
(B) **RWY-07** L5,43 (3320x98 ASP) L2,5,22,43 **RWY-25**

SERVICE - AOE **LGT** - ABn flg W/green. **FUEL** - J8 **OIL** - O-133-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - W part of twy clsd to F/W acft, hvy and med copters. No practice apch of jet acft 1100-1300Z++. No practice apch for tran acft 1100-1200Z++. **MISC** - Emerg ldg strip N of and parl to rwy. Fone C07932-971-0 extn 4475, fax C07932-971 4469.

COMMUNICATIONS - **LANGEN RADAR** - (R) (E) 135.725 297.9
STETTEN RADAR - (R) (E) 123.3 139.3 135.6X 251.25 369.0 344.0 385.4
STETTEN TWR - (E) 122.1 257.8 280.6 **A/G** - (E) 40.6

NAVAIDS - **NIEDERSTETTEN NDB** - MHW 311.000 NSN N49°23.69' E9°57.90' At Fld. 1595/1°11.7'E

ILS/RADAR - **ILS RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

NIENBURG, GM **VORW** - L 116.500 NIE (040/25) N52°37.55' E9°22.32' 190/(A)0°00.0'E
H-5D, L-5C

NIEUW MILLIGEN MIL ACC/FIC/ATCC, (DUTCH MIL) NL **EHMC**
DUTCH MIL - **FIC Dutch Mil Info** - (132.35 276.65 unrel gnd to 2000' AGL) 317.5 **DUTCH MIL ACC** - (128.35 132.525 242.15 250.8 up to FL 200) (120.825 268.4 248.325 232.85 363.325 abv FL 200) **DUTCH MIL RAPCON** - 123.575 256.7 244.35 249.65 294.6 284.85
CAUTION - The flw measures will be in force in the Amsterdam FIR, 1. Mil lo level ngt flt PPR before 1200Z. 2. Mil jet trng flt abv FL 195 proh exc transit flt. For IFR-CLEARANCE fr **DUTCH MIL ATCC** call 0577-458735. **H-2F-6F, G, L-2E-3D-4H-5A, B**

NIKOS KAZANTZAKIS, GR **LGIR** CIV N35°20.38' E25°10.82' 115 UTC+2(+3DT)
H-10G, L-14H

(B) **RWY-09** L5,9,50 (8800x148 ASP PCN 36 F/B/X/U) L5,9,50 **RWY-27**
7235→
NET UNK (938')
RWY-12 (5138x164 ASP PCN 36 F/B/X/U) **RWY-30**
4639→
RWY-18 (CLSD 2559x131 ASP) **RWY-36**
←2231

SERVICE - AOE **LGT** - ABn, W coded H. PAPI Rwy 09-27 rcpt ltd to 10° either side of cntrline. PAPI Rwy 27 GS 3.02°. **A-GEAR** - Avbl SR to 1300Z Mon-Fri 30 min PN; Sat, Sun and hol 1 hr PN. **FUEL** - A1 (EKO Elda Abee, avbl H24 Apr-Oct, 0600-2000Z++ Nov-Mar, OT H24 PN, C+30 81 02 45609). (NC-100LL, Shell or Mobil) Shell avbl 0400-2000Z++ OT 1hr PN, Fone C(2810) 289981, Mobil avbl 0430-1800Z++ OT 12hr PN, Fone C(2810) 28689.

REMARKS - **RSTD** - Last 984' of Rwy 27 not avbl dur barrier act. Twy D clsd fr Rwy 27 thld to int Rwy 12/30 - ASP damage. Twy G clsd. Over ngt prk/haz cargo ldg unauth. **CAUTION** - Bird haz.

COMMUNICATIONS - **ATIS** - Opr 0400-2100Z 1 Nov-31 Mar, OT H24 127.55
IRAKLION APP - (E) 123.975 122.1 362.3 **IRAKLION RADAR** - 123.975 362.3
IRAKLION DIRECTOR - 118.025 **KAZANTZAKIS TWR** - (E) 120.85 122.1 257.8
KAZANTZAKIS GND - 121.7 **KAZANTZAKIS RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - **IRAKLION TVORW-DME** - HA 108.800 IRA CH 25 (040/25) N35°20.45' E25°11.12' At Fld. 111/(A)0°00.0'E **IRAKLION TACAN** - T RKL CH 20 (100/60) N35°19.79' E25°13.37' 281° 2.2 NM to Fld. 449/3°14.1'E Opr SR-SS Sun-Fri, SR-1900Z++ Sat.
IRAKLION NDB - MHW 431.000 HER N35°20.05' E25°10.68' At Fld. Unk/3°13.8'E **UHF/DF**

ILS/RADAR - **■ RADAR** - Opr 0600-1600Z++ dly, OT depends on avlb ATC pers. ASR - Call GCA - 122.0 344.0 PAR - Call Final Controller - 123.3 385.4

NIKSIC, YI **NDB** - MHW 302.000 NIK N42°46.59' E18°55.45' Unk/2°58.4'E **H-4F, L-12G**

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NIMES, FR **TACAN** - HA NIM CH 53 (100/10) N43°44.75' E4°25.17' At GARONS.
309/0°5.0'W **H-7B, L-11D**

NIMES/GARONS, FR **NDB** - MHW 354.000 NG N43°51.43' E4°24.38' 177° 6.0 NM
to GARONS. Unk/0°06.1'W **H-7B, L-11D**

NIS, (MEDASEVAC) YI **LYNI** MIL/CIV N43°20.24' E21°51.22' 648 UTC+1(+2DT) **H-4F, L-12G**
(B) **RWY-11** L5,9,12,50 (8202x148 ASP PCN 48 F/B/X/T) L5,9,12,50 **RWY-29**
7483→ ←7217

SERVICE - FUEL - (NC-J)

REMARKS - CSTMS/IMG - Avbl HS.

COMMUNICATIONS - APP - 129.325 **TWR** - 129.325

NAVAIDS - NIS VORW-DME - T 113.900 NIS CH 86 N43°20.79' E21°49.62' 117° 1.1 NM
to Fld. 623/3°30.4'E

NISA, PO **DVORTACW** - HA 115.500 NSA CH 102 N39°33.88' W7°54.88' 1341/3°36.8'W
(200/50 btn 000°-180°) (60/50 btn 181°-359°)
NSA DVORTAC unuse 310°-340° byd 20 NM blw 7000'
NSA TACAN unuse 200°-210° byd 30 NM blw 4000'
H-3A, L-11A

NITRA, LO **VORW-DME** - HA 116.500 NIT CH 112 N48°17.43' E18°03.04' 810/3°12.1'E
NDB - HHW 398.000 NIT N48°17.90' E18°03.15' Unk/3°12.2'E **H-4E-6J, L-10F**

N MORA, SW **NDB/LOM** - MHW 403.000 NM N61°01.87' E14°27.63' 159° 4.7 NM
to MORA. Unk/2°53.2'E **H-2G, L-1C**

NOAIN, SP See PAMPLONA

NOLSO, FO **NDB** - HHW 404.000 NL N61°57.49' W6°36.00' 297° 20.2 NM to VAGAR.
Unk/7°37.7'W **H-1B-2E, L-1B**

NOLVIK, SW **VORW** - HA 113.200 NOL (080/50) N57°46.40' E11°49.37' Unk/(A)0°30.0'E
062° rad intmt byd 32 NM **H-2G, L-2F**

NORA, DA **VORW** - HA 112.600 NOA (060/50) N56°06.34' E12°14.49' Unk/(A)2°00.0'E
(80/50 270° -090°, 90/50 180° -210°) **H-2G-5D, L-2F**

NORDERNEY, GM **EDWY** CIV N53°42.41' E7°13.81' 6 UTC+1(+2DT) **L-2E**
RWY-09 L7 (3281x66 ASP AUW12) L7 **RWY-27**

REMARKS - Opr 0800-1500Z 15 Nov; 0800-1230Z 16 Nov-28 Feb; 0800-1500Z 1 Mar; OT
PPR; no ngt flt. (0600-1700Z 2 Mar-30 Sep; 0700-1400Z 1 Oct; OT PPR; no ngt flt.) **NS**

ABTMT - Ovft of island at or abv 2000' MSL, avoid ovft of town and harbour/docks.

MISC - 2100-0700Z++ no ngt flt. Fone C04932-2455.

COMMUNICATIONS - BREMEN INFO - 125.1 **INFO** - 122.6 15NM TO 3000 ft AGL

NAVAIDS - VHF/DF

NORDFJORDUR, IC **NDB** - MHW 325.000 NF N65°08.08' W13°44.18'
Unk/12°49.5'W **H-1B, L-1B**

NORDHOLZ, GM **ETMN** MIL/CIV N53°46.06' E8°39.51' 74 UTC+1(+2DT) **H-5C, L-2E**
(B) **RWY-08** L2,4,5,24,50 (8002x148 CON) L2,4,5,24,50 **RWY-26**
HOOK 44B-2D(B) (16' OVRN) HOOK 44B-2D(B) (16' OVRN)

SERVICE - AOE **LGT** - ABn flg W/green. **A-GEAR** - Apch end engagement O/R 10 min.

JASU - 1(G-40) 1(RST-180) **FUEL** - J8 **FLUID** - PRESAIR OXRB **OIL** - O-148-149

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REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1200Z++ Fri, clsd hol. **RSTD** - Practice apch proh 1100-1300Z++. **CAUTION** - Bird haz. **MISC** - Rwy 08-26 902' swy both ends. Rwy 08-26 TODA 8904'. Fone C04741-94-0 Base OPS extn 1528, 1529, Fax 1656; Wing OPS (for PPR) extn 2300, 2305; Fax - IVSN 312-1154.

COMMUNICATIONS - BREMEN CON - (R) (E) 124.075 313.225 **RADAR - (R) (E)** 123.3 129.85 141.6X 278.35 344.0 356.125 385.4 376.125X **REMARKS:** MP 0700-0800Z++ Fri. **TWR - (E)** 122.1 131.25 142.9 257.8 315.7 (131.25 Civ) **BREMEN INFO - (E)** 125.1 340.6 **WING OPS** - 282.525

NAVAIDS - NORDHOLZ TACAN - HA NDO CH 118 (060/50) N53°46.14' E8°39.21' At Fld. 120/(A)0°0.0'E (180/50 270°-360°) **NORDHOLZ NDB/LOM** - MHW 372.000 NDO N53°47.11' E8°48.37' 259° 5.4 NM to Fld. 72/0°40.8'E **VHF/UHF/DF** NDO TACAN unuse 020°-060° byd 20 NM blw 3000'

ILS/RADAR - ILS

NORDLINGEN, GM NDB - HHW 375.000 NDG N48°49.76' E10°25.12' Unk/1°19.9'E H-6I, L-6H

NORILSK ACC, RS UOOO (CIV) (R) CON - Sctr WEST 132.5 132.5 Sctr NORTH - 133.4 133.4 6672 8822X 8882X abv FL79 **Sctr EAST - 6672 8822X 8882X. T-2G**

NORILSK, RS NDB - HHW 535.000 BF N69°21.10' E87°24.50' 194° 2.9 NM to ALYKEL. Unk/18°55.1'E **T-2G**

NORRKOPING, SW See BRAVALLA

NORRKOPING KUNGSANGEN, SW See KUNGSANGEN

NORTEL, SW VORW-DME - HA 116.300 NTL CH 110 (100/50) N59°44.99' E18°46.01' 68/(A)3°00.0'E Strong brg oscillations btn 180°-330°. **H-2H, L-2G**

NORTH WEALD, UK EGSX PVT N51°43.30' E0°09.25' 321 UTC 0(+1DT) **H-6F, L-4G**
RWY-02 (6332x148 ASP) **RWY-20**
RWY-13 (3005x148 ASP) **RWY-31**

SERVICE - FUEL - (NC 100LL, A1)

REMARKS - Opr 0900-1900Z++ PPR **CSTMS/IMG** - 24 hr PN

COMMUNICATIONS - RDO - 123.525

NORTHOLT, UK EGWU MIL N51°33.18' W0°25.09' 124 UTC 0(+1DT) **H-6F, L-4G**
(B) **RWY-07** L5,41,50 (5545x151 ASP PCN 30 F/D/W/T) L5,23,50 **RWY-25**
5243→

SERVICE - AOE **LGT** - ABn, red coded NO. PAPI Rwy 25 GS 3.5° MEHT 38' . **JASU** - 1(A4) 1(E1) 1(E5) 1(E12) 1(E16) **FUEL** - A1+ **FLUID** - HPOX De-Ice **OIL** - O-147-149-156

REMARKS - Opr 0800-2000Z++ Mon-Fri, 0700-0100Z++ Mil and Gov acft, 24 hr PPR. **CAUTION** - Bird haz. Mod turb/windshear may be exp on apch to Rwy 25 in strong NW winds. Apch to Rwy 07 offset 30° to L of RCL til 4 NM fr TD. Rpt LDA Rwy 25 5505'.

COMMUNICATIONS - ATIS - 300.35 125.125 **APP - (R) (E)** 126.45 371.6 362.3X **TWR** - 120.675 281.175 257.8X **DEP** - 129.125 **OPS** - 132.65 311.575

NAVAIDS - CHILTERN NDB - MHW 277.000 CHT N51°37.38' W0°31.10' 141° 5.6 NM to Fld. Unk/2°26.7'W **VHF/UHF/DF**

ILS/RADAR - ILS-DME 25 RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

NORVENICH, GM ETNN MIL N50°49.87' E6°39.49' 386 UTC+1(+2DT) **H-6H, L-5B**
(B) **RWY-07** L27,24,50 (8003x148 ASP TT275) L27,24,50 **RWY-25**
HOOK 44B-2D(B) (52' OVRN) HOOK 44B-2L(B) (1224')
HOOK 44B-2L(B) (1224') HOOK 44B-2D(B) (52' OVRN)

SERVICE - AOE **A-GEAR** - HOOK 44B-2L(B) O/R 15 min. **JASU** - 1(G-40) 1(GPE-160) 1(GSU-160) **FUEL** - J8 **FLUID** - PRESAIR HPOX LOX **OIL** - O-123-133-147-148-156

AIRPORT/FACILITY DIRECTORY B-317

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - PPR 3 hr. Avoid ovft glldr ldg strip 300' parl to and S of rwy. No practice apch 1100-1230Z++.
CAUTION - Lgt acft and glldr act Sat, Sun and hol btn SR-SS. Lgtd RADAR mast 466' 238° 4859' fr ARP, lgtd telecom twr 484 119° 2694' fr ARP, lgtd chimney 482' 129° 1486' from ARP.

COMMUNICATIONS - LANGEN CON - (R) (E) 128.5 126.325 337.85 371.325
TWR - (E) 122.1 136.2X 142.9X 251.1 257.8 376.5 **RADAR - (R) (E)** 123.3 129.85X 138.2X 281.9 344.0 379.25 385.4 338.075X

NAVAIDS - NORVENICH VORTACW - HA 116.200 NOR CH 109 (060/50) N50°50.44' E6°41.65' 248° 1.5 NM to Fld. 367/(A)1°00.0°W
NOR TACAN unuse 140°-190° byd 40 NM blw 3500'
190°-260° byd 40 NM blw 4000'

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

NORWICH, UK **EGSH** CIV N52°40.55' E1°16.97' 117 UTC 0(+1DT) **H-5B-6F, L-4H**
(B) **RWY-04** (4154x148 ASP) **RWY-22**
RWY-09 L4,5,20,50 (6040x148 ASP) L4,5,23,50 **RWY-27**

SERVICE - AOE **LGT** - ABn, green coded NH. **FUEL** - PN before 0700Z++ and aft 1930Z++.
(NC-100LL, A1)

REMARKS - Opr 0630-2130Z++ Sun-Fri, 0630-2000Z++ Sat, OT by arng. **RSTD** - NORDO PPR only. All acft must ctc Norwich APP at least 10 min before ETA. Rwy 04-22 day VFR only. Rpt LDA Rwy 04-22 4154', rpt LDA Rwy 09-27 6040'. **CAUTION** - Unlgtd obst sur arpt.

COMMUNICATIONS - ATIS - 128.625 **APP - (R)** 119.35 **TWR** - 124.25

NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS-DME - BRG 271° LCZR I-NH 110.9 CH 46 GS 3° LOM NH 371.5. MP 0730-1000Z++ Fri **■ RADAR** - ASR - Call RADAR - 119.35 128.325

NOSHAHR, IR **OINN** CIV N36°39.80' E51°27.88' -61 UTC+3:30 **H-13C, L-17B**
RWY-10L5 (6182x115 ASP) **L5 RWY-28**
5732→ ←5782

REMARKS - Opr 0330Z-1100Z. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - TWR - 0330Z-SS. 124.6 121.7

NAVAIDS - NOSHAHR NDB-DME - HHW 260.000 NSR CH 86 N36°39.20' E51°30.28' 287° 2.0 NM to Fld. -64/4°17.5'E

NOTODDEN, NO **ENNO** CIV N59°33.94' E9°12.73' 63 UTC+1(+2DT) **H-2G, L-2E**
RWY-12L5,38,45 (4570x131 ASP PCN 20 F/B/X/U) **L5 RWY-30**
2498→

SERVICE - LGT - PLASI Rwy 12 rstd to max 4 DME fr NT, avbl only dur AFIS hr. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0600-1700Z++ Mon, Wed; 0700-1700Z++ Tue, Thu, Fri; 0800-1400Z++ Sat; 0800-1930Z++ Sun. OT PPR. AD clsd to all ngt and IFR ops. **RSTD** - PPR for NORDO and for acft exceeding 12,566 lbs or 9 PAX cap. Full len rwy use O/R dur AFIS hr. **CAUTION** - Hwy crosses Rwy 12 2083' fr thld, FOD haz. **RWY** - Rwy 12-30 LDA and TORA 3934' avbl PPR and when AFIS avbl.

COMMUNICATIONS - INFO - Opr 0600-1700Z++ Mon-Fri, 1730-1900Z++ Sun. 118.8

NAVAIDS - NOTODDEN NDB - HHW 400.000 NTD N59°35.23' E9°08.65' 121° 2.4 NM to Fld. 65/0°31.9'E

ILS/RADAR - ➔ LOC-DME - BRG 114° LCZR NT 110.7 CH 44 LCTR HE 324. Lczz offset 14° S of RCL.

NOTTINGHAM, UK **EGBN** CIV N52°55.20' W1°04.75' 138 UTC 0(+1DT) **L-3C-4G**
(B) **RWY-03** (2693x75 ASP) **RWY-21**
RWY-09 L7 (3445x98 ASP) **L7 RWY-27**
2746→ ←3048

SERVICE - LGT - ABn, green coded NT. Rwy 27--302' of rwy avbl byd the end of rwy lgt for ldg acft. **FUEL** - (NC-100LL, A1)

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REMARKS - Opr 0900-1700Z++ Mon-Sat, 1000-1700Z++ Sun, (1700-2000Z++ Thu subj to wx). OT 24 hr PPR. **RSTD** - PPR NORDO. LDA Rwy 27 2746' for ngt opr. **CAUTION** - Unlgt'd obst sur arpt. **CSTMS/IMG** - By arng.

COMMUNICATIONS - A/G VOICE RDO - 134.875

NAVAIDS - NOTTINGHAM NDB - HHW 430.000 NOT N52°55.30' W1°04.76' At Fld.
Unk/2°52.5'W Opr same hr as arpt.

NOTTINGHAM EAST MIDLANDS, (EAST MIDLANDS) UK EGNX CIV

N52°49.87' W1°19.68' 306 UTC 0(+1DT) **H-5B-6F, L-3C-4G**
RWY-09 L4,5,33,50 (9491x151 ASP PCN 78 F/C/W/T) L3,4,5,33,50 **RWY-27**
8901→ ←9065

SERVICE - AOE **FUEL** - Avbl 0800-1800Z++ (NC-100LL, A1) **OIL** - 0-117-123-125

REMARKS - **CAUTION** - All acft with a wingspan in excess of 148' must exercise ctn when using the Twy Mike int with the rwy and Twy Alpha due to twy wid constraints. **NS**
ABTMT - Jet acft OPS restrictions strictly enforced fr 2300-0700Z++, exc special circumstance. Req deviation fr ATC.

COMMUNICATIONS - ATIS - 128.225 **APP** - (R) 134.175 **TWR** - 124.0 **GND** - 121.9

NAVAIDS - VHF/DF

ILS/RADAR - → **ILS-DME** - BRG 091° LCZR I-EMW 109.35 CH 30(Y) GS 3° LOM EMW 393 MP
0900-1300Z++ Thu. → **ILS-DME** - BRG 271° LCZR I-EME 109.35 CH 30(Y) GS 3° LOM EME
353.5 MP 0900-1300Z++ Thu. ■ **RADAR** - 134.15 d120.125 124.0x clsd 0730-1030Z++ Tue.

NOUADHIBOU, MR GQPP CIV N20°55.98' W17°01.80' 16 UTC 0 H-11A, L-19A

RWY-02 L5,13 (7961x148 ASP PCN 48 F/B/X/T) L5 **RWY-20**

SERVICE - AOE **FUEL** - Avbl 0800-1200Z and 1430-1830Z Sun-Thu O/R 2 hr, OT O/R 2 hr
and before SS; O/R 12 hr Fri, Sat and hol. (NC-100LL, A1)

REMARKS - **RSTD** - NORDO proh. 180° turns at the end of the rwys. Flying over city proh.
CAUTION - Bird haz.

COMMUNICATIONS - **TWR** - 120.8 **RDO** - 8861

NAVAIDS - NOUADHIBOU VORW-DME - HA 113.500 PE CH 82 N20°54.87' W17°02.10'
023° 1.1 NM to Fld. 16/7°31.4'W

ILS/RADAR - → **ILS** - BRG 023° LCZR PN 110.3 GS 3° LOM PS 287

NOUAKCHOTT, MR GQNN CIV N18°05.87' W15°56.88' 7 UTC 0 H-11A, L-19A

RWY-05 L5,11 (9876x148 ASP PCN 53 F/A/W/T) L5,50 **RWY-23**

SERVICE - AOE **FUEL** - (NC-100LL, A1)

REMARKS - **RSTD** - NORDO proh. 180° turns or braking only at the end of the rwys. 180°
turns proh for acft greater than 40 tons. Flying over city proh.

COMMUNICATIONS - **TWR** - 118.4 **RDO** - 6673 8861 **INFO** - 124.2

NAVAIDS - NOUAKCHOTT VORW-DME - HA 115.900 KC CH 106 N18°05.49' W15°56.90'
At Fld. 6/7°31.0'W **NOUAKCHOTT NDB** - HW 297.000 NH N18°04.75' W15°57.79' 046°
1.4 NM to Fld. Unk/7°31.5'W **VHF/DF**

ILS/RADAR - → **ILS-DME** - BRG 047° LCZR NK 109.5 CH 32 GS 3°

NOUMERAT, (MOUFDI ZAKARIA) AG DAUG CIV N32°23.05' E3°47.65' 1512 UTC+1

H-9C, L-13D
(B) **RWY-12** L5,9,44 (10171x197 ASP S162) L5,9,43 **RWY-30**
RWY-18 (7874x148 ASP PCN 33 F/B/W/T) **RWY-36**

SERVICE - **LGT** - VASI Rwy 30 O/S UFN. **FUEL** - (NC-100, A1)

REMARKS - **RSTD** - NORDO proh.

COMMUNICATIONS - **GHARDAIA RDO** - 8894 **GHARDAIA TWR** - 118.9 119.7

NAVAIDS - **GHARDAIA DVORW-DME** - L 114.900 GHA CH 96 (200/50) N32°23.60'
E3°46.67' At Fld. 1588/(A)4°00.0'W **GHARDAIA NDB** - MHW 340.000 GHA N32°22.48'
E3°47.65' At Fld. Unk/0°10.5'W

ILS/RADAR - → **ILS** - BRG 306° LCZR GH 109.5 GS 3°.

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NOVARA, IT **NDB** - MHW 292.000 NOV N45°25.45' E8°47.63' Unk/0°58.4'E MP
0800-1000Z++ 3rd Tue.
NOV NDB MRA 000°-360° at 25 NM 4000'
000°-360° byd 25 NM unuse
H-7C, L-9B

NUMMELA, FI **EFNU** PVT N60°20.03' E24°17.78' 367 UTC+2(+3DT) **L-1D**
RWY-04 (3937x59 COP)
RWY-09 (2625x59 GVL) **RWY-22**
RWY-27
REMARKS - Opr HX. **CAUTION** - Model flying, PJE and glldr act with winch launches to 2700' AGL and ultralgt acft act .
COMMUNICATIONS - **RDO** - 123.6

NURNBERG, GM **EDDN** CIV N49°29.92' E11°04.01' 1046 UTC+1(+2DT)
VFR, H-6I, L-6H
(B) **RWY-10** L2,5,7,9,11,50,53 (8858x148 ASP PCN 65 F/A/X/T) L2,3,4,5,7,9,10,50,53 **RWY-28**
SERVICE - AOE **LGT** - PAPI Rwy 10 MEHT 52', PAPI Rwy 28 MEHT 55'. **FUEL** - (NC-100LL, A1)
REMARKS - **RSTD** - PPR for all trng and exer flt (IFR and VFR ngt flt), ctc DFS watch supervisor at C+49(0)89-9780330. **CAUTION** - Twy F clsd tkof and ldg, exc copter. Two cranes 148' AGL 1542' S of Rwy 10 . **MISC** - Fst 3058' Rwy 10 conc.
COMMUNICATIONS - **ATIS** - Opr 0420-2250Z++ . 123.075 60NM/FL200 **DIR** - (R) (E) 119.475 **TWR** - (E) 118.3 378.35 **GND** - 118.1 **MUNCHEN INFO** - 120.65 125.8 262.75
MUNCHEN RADAR - (R) (E) 118.975 298.825
NAVAIDS - **NURNBERG DME** - T NGD CH 78 (025/10) N49°30.07' E11°04.81' At Fld. 1090/1°30.2'E **ROTHENBACH NDB** - MHW 415.000 RTB N49°28.96' E11°15.17' 276° 7.3 NM to Fld. 1096/1°33.1'E **VHF/UHF/DF**
NGD DME unuse 300°-075° to 10 NM blw 3000'
300°-075° 10-20 NM blw 6000'
300°-075° 20-25 NM blw 8000'
ILS/RADAR - **ILS** - LOC Rwy 28 only usable to 23NM, +/- 10NM in relation to extrn rwy ctrline.

NUWEIBAA, EG **NDB** - HHW 288.000 NWB N29°01.93' E34°40.27' 70/3°24.1'E
H-14E,16G, L-16F

NYALA, SU **HSNN** CIV N12°03.21' E24°57.37' 2106 UTC+3 **L-20E**
RWY-04 L6,A,50 (CLSD 9880x148 ASP) L6,50 **RWY-22**
SERVICE - **FUEL** - (NC-A1)
REMARKS - Opr 0500-1600Z. **CSTMS/IMG** - Avbl O/R.
COMMUNICATIONS - **TWR/APP** - Opr SR-SS. 118.1
NAVAIDS - **NYALA VOR-DME** - HA 116.300 NYL CH 110 N12°04.36' E24°58.38' 220° 1.5 NM to Fld. 2122/1°29.1'E

NYIREGYHAZA, HU **LHNY** CIV N47°59.03' E21°41.54' 338 UTC+1(+2DT) **L-10F**
RWY-18L L6 (3281x197 GRS) L6 **RWY-36R**
RWY-18R L6,12,50 (3281x66 ASP PCN 20 F/C/W/U) L6,12,50 **RWY-36L**
SERVICE - **LGT** - PAPI Rwy 18R/36L GS 3.2°. MEHT 28'. **FUEL** - (NC-100LL)
REMARKS - Opr 0630-1500Z++ Mon-Fri, OT O/R.
COMMUNICATIONS - **INFO** - 127.6
NAVAIDS - **NYIREGYHAZA VORW** - L 116.100 NYR N47°59.47' E21°41.55' At Fld. 338/3°59.0'E **NYIREGYHAZA NDB** - MHW 346.000 Y N47°58.09' E21°41.57' At Fld. Unk/3°57.8'E

OA, MU **NDB** - HHW 337.000 OA N18°10.00' E55°14.00' 238° 3.5 NM to MARMUL.
890/0°23.8'E Not approved for IFR operations. Use of this fac is at the risk of the user and the DGCAM accepts no responsibility for their use. **H-14G, L-20H**

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OBAN, (NORTH CONNEL) UK **EGEO** CIV N56°27.81' W5°23.98' 20 UTC 0(+1DT) **L-3C**
RWY-01 (4068x98 ASP) **RWY-19**
RWY-04 (2953x98 ASP) **RWY-22**
SERVICE - FUEL - Avbl H24. (NC-100LL, A1)
REMARKS - RSTD - PPR.
COMMUNICATIONS - RDO - 118.05

OBERMEHLER SCHLOTHEIM, (SCHLOTHEIM) GM **EDCO** CIV
N51°16.06' E10°38.09' 909 UTC+1(+2DT) **L-5C**
RWY-11 (4757x98 ASP AUW 31) **RWY-29**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr PPR
COMMUNICATIONS - BERLIN INFO - H24 (E) 125.8 375.325 **INFO** - 122.9 15NM 3000ft
GND.

OBERPFAFFENHOFEN, GM **EDMO** PVT N48°04.88' E11°16.98' 1947
UTC+1(+2DT) **H-6I, L-6H**
(B) **RWY-04 L5** (7500x147 ASP PCN 46 F/A/X/T) **L3,5,20,50 RWY-22**
SERVICE - LGT - PAPI Rwy 22 MEHT 63'. **FUEL** - Avbl O/R, fone C(08153)8817-2250.
(NC-A1).
REMARKS - Opr PPR 0600-1800Z++ Mon-Fri, exc hol. **RSTD** - PPR, fone C(08153)302227 or
302643. **CAUTION** - Ints copter and F/W test flying. **CSTMS/IMG** - Avbl O/R 2 hr PN,
fone C(08153)8817-2250. **MISC** - Ldg fees rqr. Wx avbl via Munchen. Fone C(0190)0-88336
or C089-978-5313, H24.
COMMUNICATIONS - MUNCHEN ARR - (R) (E) 120.775 **TWR** - Opr 0700-1500Z++
Mon-Fri. (E) 119.55 122.1X 376.5 **MUNCHEN INFO** - 126.95 262.75
MUNCHEN RADAR - (R) (E) 127.95
NAVAIDS - OBERPFAFFENHOFEN NDB-DME - MHW 429.000 OBI CH 42 (025/10)
N48°04.84' E11°17.12' At Fld. 1923/1°34.0'E **VHF/DF**
ILS/RADAR - ILS-DME 22

OCANA, SP **LEOC** PVT N39°56.25' W3°30.20' 2405 UTC+1(+2DT) **L-11B**
RWY-11 (4134x58 ASP) **RWY-29**
RWY-17 (2936x328 GRE) **RWY-35**
SERVICE - FUEL - (NC-100LL)
COMMUNICATIONS - RUNWAY INFO SVC - Avbl Mon-Fri. 122.6

OCHEY, FR **LFSO** MIL N48°34.98' E5°57.30' 1106 UTC+1(+2DT) **H-6G, L-6F**
RWY-02 L5,9,20,50 (7878x148 CON S92 T116 TT240) **L5,9,20,50 RWY-20**
A40 UNK (59' OVRN) HOOK UNK (1312') HOOK UNK (1316') A40 UNK (55' OVRN)
SERVICE - LGT - PAPI both rwy GS 2.5°. **A-GEAR** - Cable type unk. **FUEL** - (NC-100LL, A1,
A1+). **FLUID** - OXRB
REMARKS - Opr 0730-1610Z++ Mon-Thu, 0730-1400Z++ Fri; OT and hol PPR before
1400Z++ prev working day. **RSTD** - PPR fone C03 83 52 72 72 extn 81216. Rpt PPR Nr on
FPL item 18. Ovft proh blw 1000' AGL. **CAUTION** - Ints jet act to 1500' AGL. Acft with
wingspan over 49' use caution when taxiing.
COMMUNICATIONS - APP - (E) 127.25 142.45 371.975 251.225 275.675 362.3 369.525
TWR - 122.1 142.15 373.975 373.975 257.8
NAVAIDS - NANCY TACAN - HA NAY CH 115 (040/25) N48°35.02' E5°57.11' At Fld.
1115/0°04.2'E (60/25 135°-330°) **UHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 199° LCZR NAY 108.7 GS 2.5°. ■ **RADAR** - ASR - Call RADAR -
251.225 369.525. PAR - Call GCA - 265.9 336.1 363.575 375.775.

OCKHAM, UK **VORW-DME** - HA 115.300 OCK CH 100 (070/25) N51°18.30' W0°26.83'
200/(A)4°00.0'W (90/25 in sctr 063°-093°) **H-6F, L-4G,**

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OCTEVILLE, FR LFOH CIV N49°32.03' E0°05.28' 313 UTC+1(+2DT) **H-6F, L-7C**
RWY-05 L1,5,50 (7546x130 ASP PCN 34 F/C/W/T) L1,5,9,17,50 **RWY-23**
SERVICE - AOE **LGT** - PAPI Rwy 05 GS 3.7° MEHT 55'. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0445-2100Z++ Mon-Fri, 0445-1900Z++ Sat, 0700-2100Z++ Sun; hol by NOTAM. OT PPR before 1900Z++ Mon-Fri, 1700Z++ Sat, Sun. Fone C02 35 54 64 90.
CAUTION - Pilot trng and prcht act. Aerobatics abv arpt 500' AGL to FL45 SR-SS; ctc twr for act. **MISC** - Class D airspace eff 0445-2100Z++ Mon-Fri, 0445-1900Z++ Sat, 0700-2100Z++ Sun, hol by NOTAM. OT Class G airspace.
COMMUNICATIONS - **ATIS** - 126.175 **DEAUVILLE APP** - (R) 120.35
LE HAVRE TWR - 135.2
NAVAIDS - **VHF/DF**
ILS/RADAR - ➔ **ILS-DME** - BRG 225° LCZR OT 109.5 CH 32 GS 3° LCTR LHO 346

OCTOBER, (SIXTH OF OCTOBER CITY) EG HEOC CIV N29°48.73' E30°49.40' 807
UTC+2 **H-10H-14E-16F, L-16E**
RWY-01 (6562x115 ASP PCN 40 F/B/X/U) **RWY-19**
SERVICE - **FUEL** - (NC-100LL).
REMARKS - Opr 0600Z++-SS
COMMUNICATIONS - **TWR** - 118.5 **GND** - 121.9
NAVAIDS - **OCTOBER NDB** - HW 340.000 OCT N29°48.67' E30°49.82' At Fld. 840/3°16.0'E 0600Z++-SS

ODDEROY, NO NDB/LOM - MHW 372.000 ODR N58°08.40' E7°59.94' 55/0°07.2'E
H-2G, L-2E

ODENSE, DA EKOD CIV N55°28.60' E10°19.86' 56 UTC+1(+2DT) **H-2G-5D, L-2E**
(B) **RWY-06** L5,38,50 (6053x148 ASP PCN 50 R/D/X/U) L5,39,50 **RWY-24**
RWY-13 (2880x98 GRs) **RWY-31**
←2519
SERVICE - **LGT** - PAPI Rwy 06 MEHT 46', PAPI Rwy 24 MEHT 51'. ABn opr when acft exp at ngt or in lo vis dur day. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0700-1800Z Mon-Fri, 0700-1700Z++ Sat, 0800-1700Z++ Sun, hol; (0600-1900Z Mon-Fri DT), PPR for opn dur 2 hr before/after ops hr Mon-Fri, 2 hr before and 4 hr after ops hr Sat, 3 hr before and 4 hr after ops hr Sun, hol). Submit req 1 hr before termination of svc. **RSTD** - Rwy 06-24 rstd to acft MTOW 10 ton. **CSTMS/IMG** - Avbl O/R, 1 hr PN. **MISC** - Ldg fees, add charges for opr fr 2100-0600Z++.
COMMUNICATIONS - **AFIS** - (V) 119.525
NAVAIDS - **VHF/DF**
ILS/RADAR - ➔ **ILS-DME** - BRG 240° LCZR OD 108.35 CH 20(Y) GS 3° LCTR FE 423

ODIHAM, UK EGVO MIL N51°14.05' W0°56.57' 405 UTC 0(+1DT) **H-6F, L-4G**
(B) **RWY-10** L5,41,50 (6030x141 ASP) L5,24,50 **RWY-28**
6028→
SERVICE - **LGT** - ABn, red coded Ol. **JASU** - 1(E1) 1(E4) 1(E11) **FUEL** - A1+ **FLUID** - De-Ice. **OIL** - O-134-153-155-156-160
REMARKS - **RSTD** - PPR 24 hr PN. Rpt LDA Rwy 10 6025'. **CAUTION** - Ints copter act. GS full scale fly up indications may not be maint when blw the GP at 4.5NM.
CSTMS/AG/IMG - By arng.
COMMUNICATIONS - **ATIS** - 379.375 **APP** - (R) (E) 131.3 234.35 **TWR** - (E) 122.1X 258.725 257.8X **GND** - 241.025 **FIS** - Call INFO 122.1X 372.375
FARNBOROUGH LARS - 125.25
NAVAIDS - **ODIHAM TACAN** - L ODH CH 33 (050/25) N51°13.97' W0°56.91' At Fld. 410/2°32.8'W **UHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 273° LCZR IODH 108.95 GS 3.1°. ■ **RADAR** - ASR/PAR Call TALKDOWN 123.3X 300.45

B-322 AIRPORT/FACILITY DIRECTORY

ODIN, DA **VORW-DME** - HA 115.500 ODN CH 102 (060/50) N55°34.86' E10°39.18'
24/(A)1°00.0'E (80/50 016° -061° , 211° -241°) **H-2G-5D, L-2E**

ODYSSEAS ELYTIS, GR See MITILINI

OGUR, IC **DME** - IOG CH 38 N66°02.60' W22°40.95' Unk/18°36.4'W **H-1A, L-1A**

OGUZELI, (GAZIANTEP) TU **LTAJ** CIV N36°56.83' E37°28.72' 2315 UTC+2(+3DT)
H-13A, L-15C
(B) **RWY-10L** L2,12 (CLSD 9186x148 CON) L2,33 **RWY-28R**
RWY-10R L50 (9842x100 CON PCN 110 R/A/W/T) L2,14,50 **RWY-28L**
9514→

SERVICE - FUEL - (NC-A1)
REMARKS - Opr by NOTAM. **CAUTION** - WIP rwys and twys. **RWY** - Rwy 28L TORA -
TODA 9514 due to obst.
COMMUNICATIONS - APP - (E) 120.1 121.9 122.1 362.3 **TWR - (E)** 120.1 121.9 122.1
362.3
NAVAIDS - GAZIANTEP VORW-DME - HA 116.700 GAZ CH 114 N36°57.02' E37°28.40'
At Fld. 2297/(A)3°00.0'E **OGUZELI NDB** - MHW 432.000 GAZ N36°57.02' E37°28.40'
At Fld. Unk/4°24.8'E

OHRID, MK **LWOH** CIV N41°10.80' E20°44.54' 2313 UTC+1(+2DT) **H-15D, L-12G**
RWY-02 L5,39,50 (8366x140 ASP) L5 **RWY-20**
SERVICE - LGT - PAPI Rwy 02 GS 3.2". **FUEL** - Avbl 0800-1500Z++ Mon; 0800-2000Z++ Tue;
0800-1500, 2000-0000Z++ Wed; 0700-1100, 1800-2100Z++ Thu; 0700-1900Z++ Fri;
1600-2000Z++ Sat; 0800-1100Z++ Sun. (NC-T7) **FLUID** - De-Ice
REMARKS - Opr 0600-1100Z++, 2000-2200Z++ Sun; 0400-0900Z++, 2300-2400Z++ Mon;
0000-0100Z++, 0400-0900Z++, 2000-2200Z++ Tue; 0400-0900Z++ Wed; 0600-1100Z++,
Thu; 1300-1800Z++, 2130-2400Z++ Fri; 0000-0100Z++, 0400-0700Z++, 1100-1300Z++
Sat, OT PN Fone C389 46 25 28 40, fax C389 46 26 52 12. **CSTMS/IMG** - Avbl HS.
COMMUNICATIONS - APP - Opr 0600-2100Z++, OT O/R AFTN LWOHZPZX. 119.2
TWR - Opr 0600-2100Z++, OT O/R AFTN LWOHZPZX. 119.2
NAVAIDS - OHRID DVORW-DME - HA 112.500 OHR CH 72 N41°10.34' E20°44.18'
At Fld. 2313/(A)2°00.0'E **OHRID NDB** - HW 432.000 IZD N41°20.57' E20°49.23' 200°
10.4 NM to Fld. 2306/3°10.2'E **VHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 016° LCZR MOH 108.9 GS 3.2".

OKECIE, PL **EPWA** CIV N52°09.95' E20°58.03' 362 UTC+1(+2DT) **H-8G, L-21B, T-1**
RWY-11 L2,3,4,5,29,50 (9186x164 CON PCN 57 R/B/W/T) L4,5,38,50 **RWY-29**
←7546
RWY-15 L4,5,9,38,50 (12106x197 CON PCN 57 R/B/W/T) L2,3,4,5,9,10,50 **RWY-33**
SERVICE - AOE FUEL - (NC-100LL, A1)
COMMUNICATIONS - ATIS - 120.45 **WARSZAWA APP - (R) (V)** 128.8 125.05
WARSZAWA DIR - Opr 0600-2000Z++ 129.375 **TWR - (V)** 118.3 **GND** - Opr 0600-2100Z
++ **(V)** 121.9 **CLNC DEL** - 121.6
NAVAIDS - OKECIE VORW-DME - T 113.400 OKE CH 81 N52°10.19' E20°57.60' At Fld.
394/4°18.1'E **ZABOROWEK VORW-DME** - HA 114.900 WAR CH 96 N52°15.55'
E20°39.43' 112° 12.7 NM to Fld. 295/(A)3°00.0'E **WARSZAWA NDB** - MHW 412.000
WAO N52°05.86' E21°01.59' 328° 4.6 NM to Fld. Unk/4°18.6'E **WARSZAWA NDB** -
MHW 336.000 WAG N52°12.63' E20°48.40' 111° 6.5 NM to Fld. Unk/4°16.0'E
PIASECZNO NDB - HW 330.000 PNO N52°03.21' E21°03.76' 329° 7.6 NM to Fld.
Unk/4°18.8'E
ILS/RADAR - **ILS-DME** 11, 33

OKSYWIE, PL **EPOK** MIL N54°34.78' E18°31.03' 144 UTC+1(+2DT)
H-8F-2H-5E, L-2G-21A
RWY-09 (1890x100 ASP PCN 15 F/B/X/T) **RWY-27**
RWY-14 L6,A,44 (8190x195 CON PCN 51 R/B/W/T) L6,A,44 **RWY-32**
SERVICE - FUEL - (NC-A1 J5) J5 Mil only.

REMARKS - Opr 0630-1430Z++

COMMUNICATIONS - INFO - 128.5

NAVAIDS - **OKSYWIE NDB** - MHW 290.000 K N54°33.84' E18°32.58' 313° 1.3 NM to Fld.

Unk/3°53.2'E **OKSYWIE NDB** - MHW 290.000 N N54°35.71' E18°29.50' 136° 1.3 NM

to Fld. Unk/3°52.4'E **OKSYWIE NDB** - MHW 494.000 KN N54°32.91' E18°34.02' 317°

2.6 NM to Fld. Unk/3°53.5'E **OKSYWIE NDB** - MHW 494.000 NK N54°37.01' E18°27.31'

136° 3.1 NM to Fld. Unk/3°51.8'E

OLBIA COSTA SMERALDA, (COSTA SMERALDA) IT LIEO CIV

N40°53.92' E9°31.06' 37 UTC+1(+2DT) **H-15B, L-12E**

(B) **RWY-06** L45,12,50

(8025x148 ASP PCN 45 F/C/W/T)

L4,5,9,50 **RWY-24**

7220→

←7530

SERVICE - AOE **LGT** - PAPI Rwy 06 GS 3.5° MEHT 49', Rwy 24 MEHT 52'. **FUEL** - A1 (Eni

S.p.A. avbl 0400-2000Z++, OT 2 hr PN, fee \$100 ea occurrence, C+39-0789-66600)

(NC-100LL avbl 0630-1030Z++, 1230-1600Z++ C+39 338 8380265). **OIL** - 0-123

REMARKS - **RSTD** - PPR 48 hr PN exc sked ASCOMED, AIREVAC and AMC msn 24 hr PN.

Ctc Trml Office DSN 623-8254/8319 C39-0789-644606 fax C011-39-0789-69435. All pilot ctc Air Trml Office at least 3 hr prior arr with load msg and ETA. US Mil acft ops not auth wkends 1 Jun-30 Sep. Unauth flt will be denied ldg by Civ Avn Auth. **CAUTION** - Lo level

wind shear possible. Twr svc is near trml 2; twy fr int D exclud to int E incl and hldg bay 6 are not in sight and not considered maneuvering area. **NS ABTMT** - APU not auth til 60 min before ETD or 20 min aft ATA. **MISC** - Address NAVSUPPACT LA MADDALENA IT//40//

on all flt advsy msg. Air Trml Office/cargo handling pers lctd 2 hr fr arpt. Nml opr hrs for mil acft 1000-1800L Mon-Fri exclud IT natl hol. All opr outside these hrs will cost min 500 EURO charged to acft AVCARD fr contracted svc provider, GESAR. 4 hr PN rqr to open trml after nml opr hrs. Sked outside nml opr hrs should be ltd to msn essential situations.

COMMUNICATIONS - **ATIS** - 113.9 (SME VOR/DME) **APP** - (R) (V) 118.975

TWR - (V) 122.1 125.95 257.8

NAVAIDS - **OLBIA COSTA SMERALDA VORW-DME** - HA 113.900 SME CH 86 (040/40)

N40°53.40' E9°30.07' At Fld. 64/(A)0°00.0'E MP 0700-0900Z++ 1st Mon.

OLBIA COSTA SMERALDA NDB - MHW 357.000 SME N40°53.61' E9°30.14' At Fld.

Unk/1°09.3'E **VHF/DF**

SME VOR-DME MRA 25 NM

000°-040° 5000'

040°-080° 3000'

080°-150° 5000'

150°-360° 7000'

SME VOR-DME MRA 40 NM

000°-040° 10,000'

040°-075° 7000'

075°-105° 8000'

105°-135° 9000'

135°-180° 12,000'

180°-220° 13,000'

220°-260° 12,000'

260°-315° 10,000'

315°-360° 7000'

SME NDB MRA 25 NM

340°-140° 5000'

140°-340° 9000'

SME NDB MRA 50 NM

000°-070° 5000'

070°-140° 11,000'

140°-180° 13,000'

180°-240° 12,000'

240°-360° 10000'

ILS/RADAR - **ILS-DME** 06

OLNO, BE DVORW-DME - HA 112.800 LNO CH 75 (060/50) N50°35.15' E5°42.62'

811/(A)1°00.0'W (80/FL50 NW/SW) **H-6H, L-5A**

OMARSKA, BK VORW-DME - HA 117.900 OMA CH 126 N44°57.43' E16°48.48'

632/(A)1°00.0'E

OMA VOR-DME unuse

345°-110° to 40NM at FL100

345°-090° to 40NM at FL110

H-4E, L-10F

B-324 AIRPORT/FACILITY DIRECTORY

OMIDIYEH, IR OIAJ MIL N30°50.11' E49°32.09' 85 UTC+3:30 **H-13C, L-18F**
RWY-12L L43,55 (11500x148 ASP) L43,55 RWY-30R
RWY-12R L35,43,55 HOOK UNK (164' OVRN) →61QSII UNK (199' OVRN) →
←61QSII UNK (165' OVRN) ←HOOK UNK (131' OVRN) L43,55 RWY-30L
SERVICE - FUEL - (NC-A1) Avbl in 4.75 gal tins.
REMARKS - RSTD - PPR.
COMMUNICATIONS - TWR - 122.6 313.8 124.9 344.0 317.5
NAVAIDS - OMIDIYEH VORTACW - HA 113.600 OMD CH 83 N30°51.12' E49°30.32' 120°
1.8 NM to Fld. 68/(A)3°00.0'E **OMIDIYEH NDB** - HHW 348.000 OMD N30°50.93'
E49°32.00' At Fld. 85/3°05.6'E **UHF/DF**

OMIROS, GR See CHIOS

ONEGA, RS **NDB** - HHW 430.000 OG N63°55.00' E38°07.00' Unk/13°45.4'E Opr
0400-1900Z++. **T-2G**

OOSTENDE, BE **EBOS** CIV N51°11.93' E2°51.73' 13 UTC+1(+2DT) **H-6G, L-4H**
RWY-08 L3,4,5,10,50 (10499x148 CON PCN 86 F/C/W/T) L3,4,5,10,50 RWY-26
9514→ ←9137
RWY-14 (CLSD 2057x148 GRS) RWY-32
SERVICE - AOE FUEL - Avbl 0600-2030Z++; OT 1hr PN (NC-100LL A1) **OIL** - 0-148
REMARKS - Opr HO **RSTD** - Proh 2200-0500Z++ to jets exceeding noise levels specified in
ICAO Annex 16, Chapter 2, exc with prior perms fr arpt mgr. Rwy 14-32 clsd. **NS**
ABTMT - To 1500' use tkof pwr/flaps, climb at V2+10 to 20 Kt or as ltd by angle of attack.
At 1500' reduce thrust to not less than climb pwr and climb to 3000' at V2+10 to 20 Kt. At
3000' retract flaps and accelerate to enrt climb speed. **CSTMS/IMG** - CSTMS avbl
0500-2300Z++ Mon-Fri, OT O/R.
COMMUNICATIONS - APP - (R) (E) 120.6 234.25 **TWR** - Opr HO 24 hr. **(E)** 118.175
234.25 **GND** - 121.9
NAVAIDS - OOSTENDE NDB - MHW 399.500 ONO N51°13.05' E2°59.78' 259° 5.2 NM
to Fld. 12/1°07.0'W (50 NM-W) **VHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 259° LCZR IOS 109.5 GS 3° LMM OO 375. ➔ **ILS-DME** - BRG 079°
LCZR IMI 111.55 CH 52(Y) GS 3°. ■ **RADAR** - ASR 120.6.

OPERA, HU See SZOLNOK

OPPAKER, NO **NDB** - MHW 334.000 OPA N60°12.26' E11°31.20' 267° 12.6 NM
to GARDERMOEN. Unk/1°33.7'E **H-2G, L-1C**

OPPDAL FAGERHAUG, NO See FAGERHAUG

OPPIN, GM See HALLE OPPIN

OPTAND, SW **ESNM** CIV N63°07.72' E14°48.17' 1236 UTC+1(+2DT) **L-1C**
RWY-15 (2460x131 GRS) RWY-33
RWY-18 L7 (3282x59 ASP) L7 RWY-36
RWY-18R (2884x98 GRS) RWY-36L
SERVICE - FUEL - (NC-B91, 100LL)
REMARKS - Opr HX. **CAUTION** - Gldr act and model acft act. **TFC PAT** - Rgt tfc Rwy 33
and 36. **RWY** - No ident on GRS rwy.
COMMUNICATIONS - RDO - Call OSTERSTUNDS FLYING CLUB 123.55

ORA V9, LY **NDB** - MHW 295.000 VO N28°31.00' E19°19.00' Unk/2°02.3'E **L-19D**

ORADEA, RO **LROD** CIV N47°01.52' E21°54.15' 465 UTC+2(+3DT) **H-4F, L-10H**
RWY-01 L5,12,50 (5906x98 CON ESWL37) L5,11,50 RWY-19

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SERVICE - FUEL - Avbl only for ambulance acft. (NC-A1)

REMARKS - Opr 0500-1900Z++, OT O/R 24 hr PN. **CSTMS/IMG** - Avbl HS. **MISC** - Admin fone C+40-(0)259-416082/413952/410867, e-mail aeroportoradea@rdslink.ro

COMMUNICATIONS - APP - 120.2 **TWR** - 120.2

NAVAIDS - ORADEA NDB/LOM - HHW 418.000 ORA N47°06.02' E21°55.45' 188° 4.6 NM to Fld. 656/3°54.7'E

ILS/RADAR - ➔ **ILS** - BRG 188° LCZR I-OD 109.5 GS 2.7°

ORAN, AG See ES SENIA

ORANGE, FR See PLAN DE DIEU

ORANGE, FR **TACAN** - HA ORG CH 31 (060/25) N44°08.36' E4°51.96' At CARITAT. 043° 3.3 NM to PLAN DE DIEU. 197°0°0.0'E MP 0630-1030Z++ Wed or Thu. **NDB** - HW 328.000 ORG N44°08.90' E4°51.43' At CARITAT. 055° 3.3 NM to PLAN DE DIEU. 197°0°0.0'E **H-7B, L-11D**

OREBRO, SW **ESOE** CIV N59°13.42' E15°02.28' 188 UTC+1(+2DT) **H-2G, L-2F**
RWY-01 L5,11,50 (8535x148 ASP PCN 45 F/B/X/T) L5,33,50 **RWY-19**

SERVICE - LGT - PAPI Rwy 10/19 MEHT 50.5'. **FUEL** - Avbl 0500-2200Z++ Mon-Fri; 0500-0700Z++, 1330-1530Z++ Sat; 1230-1330Z++, 2000-2200Z++ Sun. (NC-100LL, A1)

REMARKS - Opr 0300-1945Z++ Mon-Fri; 1130-1330Z++ Sat; 1030-1130Z++, 1800-1945Z++ Sun. **RSTD** - PPR for IFR t/c outside Twr hr, fone C+46 (0)1930 70 00. **CAUTION** - Down draughts may occur on final Rwy 19. Gldr act E of arpt. **CSTMS/IMG** - CSTMS avbl 0700-1500Z++ Mon-Fri. **MISC** - Ldg fees. Opr hr of Twr and/or FUEL freq extn and may be reduced around hol by NOTAM.

COMMUNICATIONS - TWR - (V) 120.275 133.6X **REMARKS**: Opr 0500-2345Z++ Mon-Thu; 0500-2145Z++ Fri; 1330-1530Z++ Sat; 1230-1330Z++, 2000-2145Z++ Sun.

NAVAIDS - OREBRO NDB/LOM - HHW 400.000 EN N59°17.46' E15°03.91' 190° 4.1 NM to Fld. Unk/3°02.3'E **OREBRO NDB/LOM** - HHW 375.000 RB N59°08.04' E15°00.18' 009° 5.5 NM to Fld. Unk/3°00.2'E

ILS/RADAR - ➔ **ILS** - BRG 190° LCZR NOE 108.5 GS 3° LOM EN 400 ➔ **LOC-DME** - BRG 010° LCZR SOE 109.1 CH 28 LCTR RB 375

ORIMAA, FI **DVORW-DME** - HA 117.300 ORM CH 120 N60°50.01' E25°45.73' 273/7°36.6'E **H-2H, L-1D**

ORIO AL SERIO, IT **TVORW-DME** - L 112.600 ORI CH 73 (040/25) N45°40.20' E9°42.43' At BERGAMO ORIO AL SERIO. 824/1°11.5'E MP 0730-0900Z++ 1st Mon.

NDB - MHW 376.500 ORI N45°38.63' E9°50.50' 287° 6.1 NM to BERGAMO ORIO AL SERIO. Unk/1°13.5'E

ORI VOR-DME MRA 25 NM	045°-100° 8000'
	100°-270° 2500'
	270°-300° 5000'
	300°-045° 12,000'
ORI NDB MRA	020°-100° Unuse
	100°-170° 8800' at 10 NM
	170°-270° 6000' at 25 NM
	260°-350° 9900' at 25 NM
	350°-020° 11,600' at 25 NM

H-7C, L-9B

ORLAND, NO **ENOL** MIL/CIV N63°41.93' E9°36.24' 28 UTC+1(+2DT) **H-2G, L-1C**
RWY-15 L5,24,50 (8904x148 ASP PCN 50 F/B/X/U) L5,24,50 **RWY-33**
➔HOOK 34B-1C (518') HOOK 34B-1C (515') ←

SERVICE - AOE **LGT** - PAPI Rwy 33 GS 3.3°, use rstd to max 5.4 NM fr rwy thld. **FUEL** - Avbl 0630-1430Z ++ Mon-Fri exc hol. (NC-100LL, A1)

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REMARKS - RSTD - Civil aircraft PPR from Orland Main Air Force Station via C47-7251-2306. PPR Diplomatic clnc req to COMAIRNORTH. **CAUTION** - Last row of W apch lgt on all rwy appear as PAPI and give illusion of being too hi on short final. Birds. Sport flying area N of arpt at Kopparen Mountain up to 5500'. **NS ABTMT** - See AP/2 Supplementary Arpt Info. **MISC** - Prk ldt. N twy hdg 11-29 (3970x49) and parl twy hdg 15-33 (8700x75 PCN 50 F/B/X/U) may be used as rwy when auth.

COMMUNICATIONS - APP - Opr 0800-1430Z++ Mon-Fri. **(R)** 118.25 363.675

ARR - 126.2 278.65 **TWR** - Opr 0600Z++ Mon-2100Z++ Fri; 0700-2100Z++ Sat, Sun. **(V)** 118.7 118.25 122.1 308.85

NAVAIDS - ORLAND TACAN - HA ORL CH 51 N63°40.87' E9°37.42' 335° 1.2 NM to Fld. 48/(A)1°00.0'W **VHF/UHF/DF**

ILS/RADAR - ILS - SEE TERMINAL FLIP FOR HI-ILS RWY 15 DATA ➔ **ILS** - BRG 334° LCZR ON 108.3 GS 3.3°. Not to be used byd 5° lczr cntrln.

ORLEANS, FR TACAN - HA OAN CH 111 (040/50) N47°59.37' E1°45.57' At BRICY. 402/1°11.0'W **NDB** - MHW 385.000 OAN N48°00.07' E1°46.12' At BRICY. Unk/1°10.9'W **H-6F,7A, L-7C**

ORLY, FR LFPO CIV N48°43.52' E2°21.57' 291 UTC+1(+2DT) **H-6F-G, L-7D**
RWY-02 L5,9,12 (7874x197 CON PCN 60 R/C/W/T) L5,9,50 **RWY-20**
RWY-06 L2,3,4,5,10 (11975x148 ASP PCN 140 R/C/W/T) L2,4,5,12 **RWY-24**
10991→
RWY-08 L2,4,5,9,11,50 (10892x148 CON PCN 66 R/C/W/T) L2,3,4,5,10 **RWY-26**
←9465

SERVICE - AOE LGT - PAPI Rwy 20 GS 3.6°, PAPI Rwy 08 GS 2.9°. **FUEL** - A1 (Total France C33 01 49 75 24 34/36 avbl 0400-2230Z++)

REMARKS - RSTD - Trng flt proh. Single eng acft proh. **NS ABTMT** - See AP/2 Supplementary Arpt Info.

COMMUNICATIONS - ATIS - 131.35 **APP** - **(R)** 123.875 124.45 118.85 **TWR** - 118.7 120.5 **GND** - 121.7 121.825 **DEP** - 127.75 128.375 **PREFLIGHT** - 121.05

NAVAIDS - ORLY VORW-DME - HA 111.200 OL CH 49 (040/25) N48°43.79' E2°23.19' 259° 1.1 NM to Fld. 285/(A)3°0.0'W (60/25 105°-165°). **ORLY NDB** - MHW 349.000 OYE N48°45.18' E2°32.35' 257° 7.3 NM to Fld. Unk/1°0.0'W

ILS/RADAR - ➔ **ILS** - BRG 019° LCZR OLN 110.3 GS 3° ➔ **ILS-DME** - BRG 063° LCZR ORE 108.5 CH 22 GS 3° ➔ **LOC** - BRG 075° LCZR OLE 108.15 ➔ **ILS-DME** - BRG 243° LCZR OLO 110.9 CH 46 GS 3.2° ➔ **ILS-DME** - BRG 255° LCZR OLV 111.75 CH 54(Y) GS 3° .

ORNSKOLDSVIK, SW ESNO CIV N63°24.50' E18°59.40' 354 UTC+1(+2DT) **H-1C-2G, L-1C**
RWY-12 L5,33,50 (6607x148 ASP PCN 53 F/B/X/T) L5,12,50 **RWY-30**

SERVICE - LGT - PAPI Rwy 12 GS 3.25° MEHT 57', Rwy 30 MEHT 25'. **FUEL** - Avbl dur AFIS hr. (NC-100LL, A1)

REMARKS - RSTD - PPR outside AFIS opr hr. **MISC** - Ldg fees. INCR charges 2100-0500Z++ and outside AFIS hr.

COMMUNICATIONS - AFIS - Opr 0440-2100Z++ Mon-Fri, 0900-1000Z++ Sat, 1100-1910Z++ Sun. **(V)** 122.25

NAVAIDS - ORNSKOLDSVIK VORW-DME - HA 115.000 OSK CH 97 (060/50) N63°24.36' E18°59.61' At Fld. 351/(A)4°00.0'E Unmto

ILS/RADAR - ➔ **ILS-DME** - BRG 117° LCZR NO 110.1 DME 38 GS 3.25° LOM OD 322.

ORSA, (ORSA TALLHED) SW ESNR CIV N61°11.40' E14°42.75' 683 UTC+1(+2DT) **L-1C**
RWY-03 (3281x98 ASP) **RWY-21**
RWY-15 (2953x131 GR5) **RWY-33**

SERVICE - LGT - ACTIVATE - Rwy strip, trans 10 sec on 123.4. **FUEL** - (NC-100LL, A1)

REMARKS - Opr HX. **CAUTION** - PJE. Gldr, hang gldr, ultralgt and model acft act.

COMMUNICATIONS - RDO - 123.4

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ORTANOVA, IT TACAN - HA ORT CH 90 (130/35) N41°23.98' E15°47.05' 86/2°21.2'E
MP 0800-1000Z++ 2nd Wed. Opr 0800-1900Z++ Mon-Fri exc hol.
ORT TACAN MRA 40 NM 050°-150° 4000'
150°-310° 6000'
310°-050° 7000'

H-15C, L-12F

OSCAR KILO, IC NDB/LOM - MHW 364.000 OK N64°02.97' W22°36.30' 199° 3.9 NM
to KEFLAVIK NAS. Unk/17°27.7'W **H-1A, L-1A**

OSIJEK, (KLISA) HR LDOS CIV N45°27.76' E18°48.61' 290 UTC+1(+2DT) **H-4F, L-10F**
RWY-11 L5,9,A50 (8199x148 ASP PCN 70 F/A/W/T) **L5,9 RWY-29**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0700-1300Z++ Mon-Fri, O/T 24 hr PN.

COMMUNICATIONS - APP - Opr by NOTAM **(V)** 118.8 120.15 **TWR** - Opr by NOTAM
(V) 118.8

NAVAIDS - OSIJEK NDB - HW 422.000 OSJ N45°27.33' E18°50.26' 288° 1.2 NM to Fld.
Unk/3°09.3'E **CEPIN NDB** - HW 372.000 CE N45°31.71' E18°33.60' 107° 11.3 NM to Fld.
305/3°6.0'E

OSKARSHAMN, SW ESMO CIV N57°21.03' E16°29.88' 96 UTC+1(+2DT) **L-2F**
RWY-01 L1,5,9,50 (4921x98 ASP PCN 15 F/B/X/U) **L1,2,5,35,50 RWY-19**

SERVICE - LGT - ACTIVATE - LIRL trans 10 sec on 122.15 . **FUEL** - Avbl O/R fone C+46
(0)491 640 41. (NC-100LL, A1)

REMARKS - MISC - Ldg fees, increased charges outside AFIS hr.

COMMUNICATIONS - AFIS - Opr 0530-0830Z++, 1500-1800Z++ Mon-Fri. **(V)** 122.15

ILS/RADAR - ➔ ILS-DME - BRG 182° LCZR NMO 111.15 CH 48(Y) GS 3° LCTR DC 370. GS ldt
4° E cntrln.

OSLO ACC, NO ENOS (RNOAF/CIV) (R) (E) CON/RADAR - (**N Sctr** 118.825 279.025
277.8) (**W Sctr** 120.375 340.075) (**S Sctr** 118.875 278.375) (**E Sctr** 125.05 279.0) (
Skagerak Sctr 134.35 278.375) (278.225 Farris Mil) **H-2F, G-5C, L-1C-2E, F-3D**

OSLO/GARDERMOEN, NO See GARDERMOEN

OSNABRUCK, GM DVORW - HA 114.300 OSN (060/50) N52°12.01' E8°17.13'
391/(A)0°00.0'E (80/FL500 023°-068°;60/FL500 068°-023°) **TACAN** - HA OSB CH 20(Y)
(050/30) N52°12.10' E8°17.13' 343/(A)1°00.0'W **H-5C-6H, L-5B**

OSTERSUND/FROSON, SW See FROSON

OSTGOTA TERMINAL CONTROL, SW (CIV) TCA CON - Opr
0455-2300Z++ Mon-Fri, 0530-2230Z++ Sat, 0530-2300Z++ Sun and hol. Freq extn of opr
hr. **(R)** 132.95 135.85 126.4 **L-2F**

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OSTIA, IT **VORW-DME** - HA 114.900 OST CH 96 (080/50) N41°48.23' E12°14.25'
At FIUMICINO. 14/(A)0°00.0'E (150/50 001° to 320°) MP 0700-0900Z++ 1st Wed. **NDB** -
MHW 321.000 OST N41°48.31' E12°14.19' At FIUMICINO. Unk/1°43.0'E MP
0800-1000Z++ 2nd Mon.
OST VOR/DME MRA 000°-030° 20 NM 3000'
030°-120° 20 NM 2500'
120°-310° 20 NM 2000'
310°-360° 20 NM 3000'
000°-070° 40 NM 6000'
070°-120° 40 NM 7500'
120°-310° 40 NM 3000'
310°-360° 40 NM 6000'
90 NM 10,000'
OST VOR/DME R-177 MRA btn 90 NM and 120 NM 16,000'
byd 120 NM unuse
OST VOR/DME R-199 MRA byd 100 NM unuse
OST VOR/DME R-219 MRA btn 60 NM and 80 NM 11,000'
80 NM 15,000'
OST VOR/DME R-249 MRA 80 NM 13,000'
OST NDB MRA 50 NM 030°-120° 10,000'
120°-150° 6000'
150°-290° 2000'
290°-350° 6000'
350°-030° 9000'

H-7D, L-12E

OSTRAVA, EZ **VORW-DME** - HA 117.450 OTA CH 121(Y) N49°41.85' E18°06.54'
At MOSNOV. 850/3°19.4'E **H-4E-6J-8F, L-22E**

OTAEBE, SY **NDB/LOM** - MHW 342.000 DAL N33°29.25' E36°36.10' 220° 6.3 NM
to DAMASCUS INTL. 2020/3°54.4'E **L-16F**

OTOPENI, RO See HENRI COANDA

OTTRINGHAM, UK **VORW-DME** - HA 113.900 OTR CH 86 (100/60) N53°41.90'
W0°06.22' Unk/(A)4°00.0'W (200/60 in sctr 018°-078°; 150/60 in sctr 078°-138°).
H-5B, L-3C

OUAGADOUGOU ACC, UV **DFFD CIV** **DFFD CON** - 120.3 **A/G VOICE RDO** -
6586 6673 **VHF/DF H-11D, L-19B**

OUAGADOUGOU, UV **DFFD MIL/CIV** N12°21.19' W1°30.75' 1037 UTC 0
H-11D, L-19B

RWY-04L L5,11,50

(9934x148 ASP PCN 59 F/B/X/T)

L5,50 **RWY-22R**

RWY-04R

(6269x98 LAT AUW100)

RWY-22L

SERVICE - AOE **FUEL** - (NC-100LL, A1)

REMARKS - **RSTD** - NORDO proh. 180° turns only at rwy end for acft over 88,000 lb.

COMMUNICATIONS - **OUAGA APP** - 118.1 **OUAGA TWR** - 118.1

AG VOICE OUAGA RDO - 120.3 6586 6673

NAVAIDS - **OUAGADOUGOU VORW-DME** - HA 112.900 OG CH 76 N12°20.78' W1°30.77'

At Fld. 1048/3°28.0'W **OUAGADOUGOU NDB/LMM** - HW 333.000 OUA N12°20.04'

W1°31.51' 037° 1.4 NM to Fld. 1102/3°28.4'W **VHF/DF**

ILS/RADAR - **→ILS-DME** - BRG 038° LCZR OG 110.1 CH 38 GS 3° LOM OG 305.

OUARZAZATE, MO **GMMZ CIV** N30°56.34' W6°54.57' 3782 UTC 0 **H-9A-11C, L-13C**
RWY-12L L7,50 (9842x148 ASP PCN 46 F/B/W/T) L7,50 **RWY-30**

SERVICE - AOE **FUEL** - (NC-100LL, A1)

REMARKS - **RSTD** - 180° turns at rwy ends only. Ovft city of Quarzazate proh.

COMMUNICATIONS - **TWR** - (V) 119.3 118.1

AIRPORT/FACILITY DIRECTORY B-329

NAVAIDS - OUARZAZATE VORW-DME - HA 116.700 OZT CH 114 N30°56.40' W6°54.27'
At Fld. 3837/(A)5°00.0'W **OUARZAZATE NDB** - HHW 384.000 ORZ N30°55.63'
W6°52.95' 297° 1.6 NM to Fld. Unk/3°04.1'W
ILS/RADAR - ➔ **ILS-DME** - BRG 301° LCZR IRZ 335.0 CH40 GS 3°.

OUED IRARA, (KRIM BELKACEM) AG **DAUH** CIV N31°40.38' E6°08.43' 463 UTC+1
H-9C, L-14E
(B) **RWY-18 L7** (9843x148 ASP S27 T40 TT65) **L7 RWY-36**
SERVICE - **LGT** - Flg Bcn O/R to twr. **FUEL** - (NC-A1)
REMARKS - Opr 0700-1500Z, clsd Thu and Fri. For unskd flt, 24 hr PN rqr.
COMMUNICATIONS - **HASSI MESSAOUD RDO** - 8894
HASSI MESSAOUD APP - H24 120.0 **HASSI MESSAOUD TWR** - 118.1 119.7
NAVAIDS - **HASSI MESSAOUD VOR-DME** - HA 114.700 HME CH 94 (200/50) N31°39.86'
E6°08.17' At Fld. 463/0°16.2'E **HASSI MESSAOUD NDB** - MHW 390.000 HMD
N31°38.93' E6°08.30' 005° 1.4 NM to Fld. Unk/0°16.2'E
ILS/RADAR - ➔ **ILS** - BRG 007° LCZR HM 109.1 GS 3°

OUJDA, MO **VORW-DME** - HA 117.500 OJD CH 122 N34°46.40' W1°57.02' 060° 1.5 NM
to ANGADS. 1585/(A)4°00.0'W **NDB** - HHW 371.000 CNU N34°47.98' W1°53.98' 240°
1.4 NM to ANGADS. Unk/1°32.6'W **H-9B, L-13C**

OUJDA ANGADS, MO See ANGADS

OULU, FI **EFOU** CIV N64°55.80' E25°21.27' 47 UTC+2(+3DT) **H-1D, L-1D**
RWY-12 L3,4,5,10,50 (8205x197 ASP PCN 100 F/A/W/T) **L4,5,33,50 RWY-30**
← **NET UNK (82' OVRN)** **HOOK UNK (2096') NET UNK (197' OVRN)** →
SERVICE - **AOE FUEL** - Avbl 0300-2000Z++ Mon-Fri, 0300-1200Z++ Sat, 0900-2000Z++
Sun, OT 1 hr PN. (NC-100LL, A1) **FLUID** - De-Ice O/R.
REMARKS - Opr HO. **MISC** - Class D Airspace effective twr hrs, OT Class G.
COMMUNICATIONS - **ATIS** - Opr H24. 135.45 **TWR** - (V) 124.4 119.7
NAVAIDS - **OULU VORW-DME** - HA 113.300 OUK CH 80 N64°55.89' E25°21.56' At Fld.
66/(A)6°00.0'E **LAANILA NDB/LOM** - MHW 350.000 LAA N64°57.98' E25°12.67' 121°
4.3 NM to Fld. Unk/8°32.7'E **VHF/DF**
ILS/RADAR - ➔ **ILS-DME** - BRG 114° LCZR OU 109.5 CH 32 GS 3° LMM O 340 LOM LAA
350.

OVAR, (MANOEUVRE AERODROME NR 1) PO **LPOV** MIL N40°54.95' W8°38.76' 56
UTC 0(+1DT) **H-3A, L-11A**
(B) **RWY-18 L5,24,50** (8005x148 CON PCN 36 R/B/W/U) **L5,50 RWY-36**
→ **UNK (1300')** **UNK (1300') ←**
SERVICE - **LGT** - PAPI Rwy 18 MEHT 36', PAPI Rwy 36 MEHT 38'. **A-GEAR** - Opr
0800-1530Z++ Mon-Fri, OT and hol O/R 24 hr PPR thru LPOVZPZX. **FUEL** - Avbl
0900-1630Z++ Mon-Fri; OT Sat, Sun and hol O/R 24hr thru LPOVZPZX. 100LL, J8
REMARKS - Opr 0900-1645Z++ Mon-Fri, O/R 1 hr PN thru LPOVZPZX. OT and hol avbl with
24 hr PN thru LPAMYWYB. **CAUTION** - Model flying act ev Sat, Sun and hol wi 1NM rad of
the arpt.
COMMUNICATIONS - **APP** - Opr HO. (E) 118.6 362.3 140.0 **TWR** - Opr HO. (E) 122.1
339.775 257.8
NAVAIDS - **OVAR TACAN** - HA OVR CH 43 N40°53.22' W8°38.60' 001° 1.7 NM to Fld.
102/3°58.5'W
OVR TACAN unuse 079°-129° byd 40 NM blw 5500'
ILS/RADAR - ■ **RADAR** - GCA - (E) 123.3 134.1 337.65 334.0 385.4

B-330 AIRPORT/FACILITY DIRECTORY

OVDA, IS LLOV MIL/CIV (CIV) N29°56.41' E34°56.15' 1492 UTC+2(+3DT)

H-14E-16G, L-16F

(B) **RWY-02L** L5,9,12,50 (8530x148 ASP PCN 44 F/B/Y/U) L5,12,50 **RWY-20R**
8038→ ←8038
HOOK UNK(B) (2450') HOOK UNK(B) (2500') 62NI UNK (50' OVRN) →
RWY-02R L5 (9843x148 ASP PCN 44 F/B/Y/U) L5 **RWY-20L**
9351→ ←9351
←62NI UNK (470' OVRN) HOOK UNK(B) (3920')
HOOK UNK(B) (3976') 62NI UNK (397' OVRN) →

SERVICE - LGT - PAPI Rwy 20R rgt side only. **FUEL** - (NC-A1)

REMARKS - Opr 1000-1800Z++ Sun-Thu, 1000-1400Z++ hol. H24 for diversions.

CSTMS/IMG - Avbl.

COMMUNICATIONS - TWR - (V) 129.9

NAVAIDS - OVDA VORW-DME - HA 114.100 OVD CH 88 N29°58.00' E34°56.83' 197°
1.7 NM to Fld. 1513/3°29.5'E **OVDA NDB** - HW 353.000 OVD N29°56.53' E34°55.98'
At Fld. Unk/3°29.4'E

OXFORD, UK See KIDLINGTON

P LIBERI, IT See PESCARA

PADBORG, DA See KRUSA PADBORG

PADERBORN LIPPSTADT, (AHDEN) GM **EDLP** CIV N51°36.85' E8°36.98' 699

UTC+1(+2DT) **H-6H, L-5B**

(B) **RWY-06** L2,4,5,9,23,50 (7152x148 ASP PCN 70 F/B/X/T) L2,4,5,9,23,50 **RWY-24**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0500-2100Z++, OT PPR. **CSTMS/AG/IMG** - Avbl.

COMMUNICATIONS - ATIS - Opr 0500-2100Z++. 125.725 **TWR - (V)** 133.375 284.625

GND - 121.925 **LANGEN RADAR - (R) (E)** 125.225 342.025 **DISPATCH** - 130.425

LANGEN INFO - 129.875

NAVAIDS - PADERBORN/LIPPSTADT NDB-DME - MHW 354.000 PAD CH 22 (025/10)

N51°37.42' E8°38.37' At Fld. 673/0°43.5'E **VHF/DF**

PAD DME unuse 030°-230° byd 8 NM blw 2500'

030°-230° byd 15 NM blw 5000'

ILS/RADAR - ILS - SEE TERMINAL FLIP FOR ILS 24 DATA. ➔ **ILS** - BRG 056° LCZR IPLE 111.7
GS 3.0°.

PADOVA ACC/FIC, IT **LIPP** (ItAF/CIV) **CON - (E)** 120.725, Opr 0600-2200Z++
125.9 **135.0** 136.465 252.45 344.7, OT **133.705** 134.75 (125.475 133.305 ATC discretion)

N Sctr- (To FL 260 125.9, Opr 0600-2200Z++, OT **133.705** (FL 270 - Unltd **133.7**) **S Sctr-**

(To FL 260 134.75, Opr 0600-2200Z++, OT **135.0** (FL 270 - Unltd **135.0**) **INFO** - 124.15

(VFR North of Po River) 126.775 (VFR South of Po River) 344.7 (379.6 O/R) **PADOVA**

MILITARY - Opr 0700-1900Z++ Mon-Fri, unavbl Sat, hol. Opr coord avbl H24. 129.375

123.175 235.15 291.15 373.45 **H-7C, D, L-9C, D-10E-12E**

PADOVA, IT **LIPU** CIV N45°23.75' E11°50.87' 44 UTC+1(+2DT) **L-9C**

(B) **RWY-04** L7,50 (3681x98 ASP SWL33) L7 **RWY-22**
3478→ ←2946

SERVICE - LGT - PAPI Rwy 04 GS 3.15° MEHT 30'. **FUEL** - Avbl 0600-1800Z++. (NC-100LL,
A1) **OIL** - O-148-149

REMARKS - Opr 0700-1900Z++. **RSTD** - Touch and go and lo apch proh btn 0700-0900Z++
and 1200-1500Z++ exc ATC, MET and safety reasons. Grass area N of rwy for lcl gldr act
only. **CAUTION** - Glldr act SR-SS wi 5 NM arpt to 2500'. **CSTMS/AG/IMG** - Avbl Mon-Fri 3
hr PN (plus on flt plan), Sat-Sun PN by Fri 1100Z++ (plus on flt plan).

COMMUNICATIONS - INFO - Opr 0600-1800Z++ Oct-Mar, 0600-1800Z Apr-Sep. **(V)**
123.25 257.8

AIRPORT/FACILITY DIRECTORY B-331

NAVAIDS - PADOVA NDB - MHW 285.000 PDV N45°21.61' E11°49.08' 031° 2.5 NM
to Fld. Unk/1°41.3'E **VHF/DF**
PDV NDB MRA 25 NM
000°-090° 5000'
090°-270° 2000'
270°-360° 6000'

ILS/RADAR - ➔ ILS - BRG 042° LCZR PDV 111.3 CH 50 GS 3°.

PAFOS INTL, CY **LCPH** CIV N34°43.08' E32°29.14' 41 UTC+2(+3DT)

H-10H-13A-16F, L-15B-16F

(B) **RWY-11** L5,12,50 (8858x148 ASP PCN 80 F/C/W/T) L5,11,50 **RWY-29**

SERVICE - AOE **LGT** - PAPI Rwy 11/29. **FUEL** - Avbl 0600-2200Z++ Mon-Fri, 4 hr PN
Mon-Sat, 6 hr PN Sun. (NC-100LL, A1)

COMMUNICATIONS - **APP** - (V) 120.8 **TWR** - (V) 119.9

NAVAIDS - PAFOS VORW-DME - HA 117.900 PHA CH 126 N34°42.70' E32°30.40' 287°
1.1 NM to Fld. 53/(A)2°00.0'E **PAFOS TACAN** - T PHA CH 79 N34°44.11' E32°29.05' 174°
1.1 NM to Fld. 41/3°50.7'E **PAFOS NDB** - MHW 328.000 PHA N34°43.10' E32°28.70'
At Fld. Unk/3°50.5'E

ILS/RADAR - ➔ ILS-DME - BRG 287° LCZR IPA 108.9 CH 26 GS 3°

PAGLIANO E GORI, IT See AVIANO AB

PAJALA, SW **ESUP** PVT N67°14.74' E23°04.13' 542 UTC+1(+2DT) **L-1D**

(B) **RWY-11** L5,13,50 (4659x98 ASP PCN 30 F/B/X/U) L5,50 **RWY-29**

SERVICE - **LGT** - ABn opr dur AFIS hr. ACTIVATE lo ints lgt on 118.25 for 10 sec. **FUEL** -
Avbl O/R, etc AFIS. (NC-100LL, A1)

COMMUNICATIONS - **AFIS** - Opr O/R fone C+46 (0)978 11 10 or C+46 (0)706 66 26 71.
(V) 118.25

ILS/RADAR - ➔ ILS-DME - BRG 111° LCZR 111.5 CH 52 GS 3° LCTR PAJ 390.

PAJUOSTIS, (TULPE) LH **EYPP** MIL N55°43.77' E24°27.65' 197 UTC+2(+3DT)

H-2H, L-2H

RWY-13 L53 (6562x131 CON PCN 50 R/B/X/U) L53 **RWY-31**

SERVICE - **FUEL** - (NC-100LL, A1, J5)

REMARKS - Opr O/R. **RSTD** - PPR.

COMMUNICATIONS - **TWR** - 122.55 124.5 130.1 142.4 Fone C(370-45)-463315, fax
C(370-45)-463523

NAVAIDS - PAJUOSTIS NDB - MHW 515.000 PA N55°45.67' E24°24.67' 133° 2.5 NM to Fld.
Unk/5°53.9'E

PALANGA INTL, LH **EYPA** CIV N55°58.39' E21°05.63' 33 UTC+2(+3DT) **H-2H, L-2G**

RWY-01 L7,41

(6562x131 ASP PCN 48 F/B/W/T)

L7,41 **RWY-19**

SERVICE - AOE **FUEL** - (NC-100LL, A1) **FLUID** - De-Ice

REMARKS - Opr 0600-1500Z++ Mon-Fri. Fone C370 460 5 20 66, fax C370 460 5 20 20.

CAUTION - Extv bird haz immed vcnty of afld due migrations and breeding gnd. **MISC** -
Ldg fees. Class C Airspace eff ATS hrs, OT Class G.

COMMUNICATIONS - **AWOS** - Fone/fax C370 460 4 94 75. **APP** - Opr 0400-2000Z++. (R)
(V) 124.3 **TWR** - Opr 0400-2000Z++. (V) 118.3 **RMP** - Call AGENCY - 131.5 **REMARKS**:
Gnd handling and PAX svc.

NAVAIDS - PALANGA NDB/LMM - MHW 407.000 PN N55°57.38' E21°05.22' At Fld.
Unk/4°55.0'E Opr HO **VHF/DF**

ILS/RADAR - ILS ILS-DME 19

PALEOCHORA, GR **VORW-DME** - HA 114.600 PLH CH 93 (200/50) N35°13.66' E23°40.85' 12/(A)1°00.0'E **H-10G-15E, L-14H**

B-332 AIRPORT/FACILITY DIRECTORY

PALERMO, (PALERMO PUNTA RAISI) IT **LICJ** CIV N38°10.56' E13°05.46' 65
UTC+1(+2DT) **H-15C, L-12E-14F**
(B) **RWY-02** L4,5,9 (6804x148 ASP PCN 54 F/B/W/T) L4,5,9,12,50 **RWY-20**
6794→ ←6794
RWY-07 L4,5,9,12,50 (10912x197 ASP PCN 60 F/B/W/U) L4,5,9,33,50 **RWY-25**
10508→ ←10233

SERVICE - AOE **LGT** - Rwy 20 SALS nstd len 1575' and crossbar 1181' fr Rwy 20 thld. PAPI
Rwy 07 MEHT 52', PAPI Rwy 20 MEHT 66', PAPI Rwy 25 MEHT 59'. **FUEL** - (NC-100LL, A1)
(A1 avbl 0430-2300Z++, OT 24 hr PN PAR C+39-091-591403) (100LL avbl 0700-1130Z++,
1230-1600Z++ exc Sun, Mon). Verify 100LL avbl with afld opr office
C+39-091-702-0375/0732/0733. **OIL** - 0-123

REMARKS - PPR mil flt. Ctc civ avn auth C039-091-591400 or C039-091-702-0396.
CAUTION - Lo level wind shear possible. Some ILS users rpt false LOC capture. Copter ldg
and tkof opr performed on rwy; taxi on aprn with flw-me rqr. **MISC** - Acft are req to opr
transponder off/stby dur taxi.

COMMUNICATIONS - **APP** - (R) (E) 120.2 118.65 376.8 387.45 **RAISI TWR** - (E) 119.05
257.8 **RAISI GND** - Opr 0600-2200Z++ 121.625

NAVAIDS - **RAISI TVORW-DME** - T 113.000 PRS CH 77 (040/25) N38°10.33' E13°04.80'
At Fld. 19/1°45.2'E MP 0700-0800Z++ 1st Tue. **PALERMO VORW-DME** - HA 112.300
PAL CH 70 (200/50) N38°02.04' E13°10.65' 333° 9.4 NM to Fld. 3869/(A)0°00.0'E MP
1000-1130Z++ 1st Mon. **RAISI NDB** - MHW 329.000 PRS N38°11.36' E13°06.55' 227°
1.2 NM to Fld. Unk/1°45.6'E **PALERMO NDB** - MHW 355.500 PAL N38°02.06' E13°10.64'
333° 9.4 NM to Fld. Unk/1°45.0'E **VHF/DF**
PAL VOR/DME MRA 240°-340° 6000'
340°-240° 7000'
R-018 byd 60 NM 12,000'
R-179 byd 50 NM 11,000'
R-291 65 NM 14,000'
R-325 70 NM 11,000'
R-356 byd 60 NM 12,000'
PRS VOR/DME MRA 060°-080° 4000' within 10 NM
080°-140° 11,000' within 10 NM
140°-190° 6000' within 10 NM
190°-060° 2000' within 10 NM
080°-130° byd 10 NM unuse
130°-180° byd 10 NM 18,000'
180°-230° byd 10 NM 10,000'
230°-350° byd 10 NM 5000'
350°-080° byd 10 NM 4000'
R-080 within 30 NM 4000'
R-080 byd 30 NM within 50 NM 9000'
R-080 byd 50 NM within 65 NM 13,000'
R-080 byd 65 NM within 80 NM 15,000'
PAL NDB MRA 50 NM 090°-100° 8000'
100°-160° unuse
160°-090° 6000'
PRS NDB MRA 070°-230° unuse

ILS/RADAR - **ILS-DME** 20 25. ■ **RADAR** - Call APP. MP 1300-1500Z++ Wed.

PALERMO BOCCADIFALCO, IT See BOCCADIFALCO

PALERMO PUNTA RAISI, IT See PALERMO

PALESE, IT See BARI

PALMA ACC, SP **LECP** CIV **CON (R)** - Este Sctr - 120.7 121.3 Oeste Norte Sctr -
118.0 121.3 Oeste Sur Sctr - 118.125 121.3 **L-11C, D**

AIRPORT/FACILITY DIRECTORY B-333

PALMA DE MALLORCA, (SON SAN JUAN) SP **LESJ/LEPA** MIL/CIV

N39°33.10' E2°44.33' 27 UTC+1(+2DT) **H-15A, L-11C**

RWY-06L L4,5,9,33,50

(10728x148 ASP)

L4,5,33,50 **RWY-24R**

←10498

RWY-06R L4,5,50

(9842x148 ASP PCN 59 F/B/W/T)

L3,4,5,39,50 **RWY-24L**

8497→

BAK-14 UNK(B) (3478')

SERVICE - LGT - PAPI Rwy 06R GS 3.4°. **FUEL** - (NC-100LL, A1, A1+, J8) **OIL** - G-354-395, H-573-542, O-156-1236, S-750-753

REMARKS - CAUTION - Aprn WIP til 31 Mar 06 est. **CSTMS/IMG** - Avbl. **MISC** - Mil OPS duty desk C034 971 49 7566.

COMMUNICATIONS - ATIS - 119.25 **APP - (R)** 118.95 119.15 119.4 369.425

TWR - (E) 118.3 118.45 257.8 **GND** - 121.7 121.9 (NORTH 121.9)(SOUTH 121.7)

CLNC DEL - Act announced by ATIS. 121.6 **OPS** - 130.25 **REMARKS**: Coord aprn svc, provides info on slots and FPL, mnt arr and dep at Son Bonet arpt.

NAVAIDS - PALMA DE MALLORCA VORW-DME - T 117.700 JOA CH 124 (025/5)

N39°33.88' E2°44.80' At Fld. 26/0°22.8'W **PALMA DE MALLORCA DVORW-DME** - HA 113.300 MJV CH 80 N39°26.11' E2°45.50' 354° 7.0 NM to Fld. 505/(A)1°00.0'W

POLLENSA DVORW-DME - HA 116.400 POS CH 111 N39°55.65' E3°06.87' 218° 28.4 NM to Fld. 1168/(A)1°00.0'W **CAPDEPERA DVORW-DME** - HA 112.900 CDP CH 76

N39°41.86' E3°26.06' 256° 33.4 NM to Fld. 778/(A)1°31.0'W

PALMA DE MALLORCA TACAN - T SSJ CH 21 N39°33.58' E2°44.00' At Fld. 32/0°23.0'W **COSTIX NDB** - HW 351.000 CST N39°38.48' E2°54.94' 237° 9.8 NM to Fld. Unk/0°20.4'W

ANDRAITX NDB - MHW 384.000 ADX N39°32.97' E2°23.75' 089° 15.9 NM to Fld. Unk/0°28.2'W **PORTO COLOM NDB** - MHW 401.000 PTC N39°25.64' E3°15.40' 288° 25.2 NM to Fld. Unk/0°14.9'W

MJV VOR-DME unuse

179° byd 20 NM blw 2000'

283° byd 125 NM blw 9000'

114°-139° blw 6500'

194°-254° blw 6500'

029°-089° byd 40 NM blw 5000'

089°-119° byd 40 NM blw 6000'

119°-259° byd 40 NM blw 4000'

259°-289° byd 40 NM blw 5000'

289°-339° byd 40 NM blw 7000'

339°-029° byd 40 NM blw 11,000'

POS VOR-DME unuse

SSJ TACAN unuse

ILS/RADAR - ILS ILS-DME - 06L 24L

PALMYRA, SY **OSPR** MIL/CIV N34°33.44' E38°19.01' 1322 UTC+2(+3DT)

H-13A-16G, L-16G

RWY-08L7

(9449x148 ASP C130)

L7 **RWY-26**

REMARKS - Opr O/R.

COMMUNICATIONS - TWR - Opr HS. 121.9

NAVAIDS - PALMYRA NDB - HHW 337.000 PAL N34°33.17' E38°17.90' 081° 2.5 NM to Fld. Unk/4°05.3'E Opr HS.

PAMPLONA, (NOAIN) SP **LEPP** CIV N42°46.20' W1°38.78' 1504 UTC+1(+2DT)

H-7A-16I, L-11B

RWY-16 L4,6,9,20,50

(7241x148 ASP PCN 59 F/B/X/T)

L2,4,6,9,20,50 **RWY-34**

←6257

SERVICE - LGT - PAPI Rwy 16 GS 3.4°. REIL for Rwy 34 lctd at displ thld. **FUEL** - (NC-100LL, A1) **OIL** - O-113-117-125

REMARKS - Opr 0530-2250Z++. **CSTMS/IMG** - Avbl O/R.

COMMUNICATIONS - APP - (V) 118.2 **TWR - (V)** 118.2 **GND** - 121.7

NAVAIDS - PAMPLONA VORW-DME - HA 112.300 PPN CH 70 N42°44.03' W1°42.12' 052° 3.3 NM to Fld. 3419/(A)3°00.0'W **PAMPLONA VORW-DME** - T 113.550 PAP CH 82(Y) N42°41.30' W1°39.65' 010° 4.9 NM to Fld. 1890/1°47.2'W **PAMPLONA NDB** - HW

422.000 PAM N42°42.85' W1°38.34' 357° 3.4 NM to Fld. Unk/1°46.8'W **VHF/DF**

PPN VOR-DME unuse

074° byd 30 NM blw 10,000'

254° byd 20 NM blw 10,000'

ILS/RADAR - → ILS-DME - BRG 155° LCZR IPN 109.7 CH 34 GS 3.4°

B-334 AIRPORT/FACILITY DIRECTORY

PAMPUS, NL **DVORW-DME** - HA 117.800 PAM CH 125 (080/50) N52°20.09' E5°05.53'
067° 17.7 NM to LELYSTAD. 27/(A)2°00.0'W (120/50 SW) **H-5C-6G, L-5A**

PANENSKY TYNEC, EZ **LKPC** CIV N50°18.37' E13°56.05' 1207 UTC+1(+2DT)
H-6I-8F, L-6J, T-1A
RWY-09 (8218x95 ASP) **RWY-27**
REMARKS - Opr HO.
COMMUNICATIONS - **INFO** - 118.575

PANTELLERIA, (I D AMICO) IT **LICG** MIL N36°48.99' E11°58.13' 635 UTC+1(+2DT)
H-15C, L-14F
RWY-03 (4003x98 ASP SWL15) **RWY-21**
RWY-08 L7,50 (5499x148 ASP) L7,9,12,50 **RWY-26**
SERVICE - **LGT** - PAPI Rwy 08 GS 3.5° MEHT 49', Rwy 26 GS 3.5° MEHT 43'. **SALS** Rwy 26
689' btn thld and first wing bar. **FUEL** - J8. Avbl 0800-1630Z++ Mon-Fri, 0800-1200Z++
Sat.
REMARKS - Opr 0600-1800Z UFN. **RSTD** - PPR 24 hr PN, PPR Nr on FPL; fax to C+39
091-702-0398/C+39 092-391-2464. Rwy 08 ngt ldg proh; Rwy 26 ngt tkof proh. Circling N
only. Rwy 03/21 clsd WIP, avbl taxi only UFN. Fire fighting svc not assured for armed mil
acft.
COMMUNICATIONS - **TWR** - Opr 0700-1900Z++. **(V)** 118.45 122.1 257.8 279.125
NAVAIDS - **PANTELLERIA VORW-DME** - HA 116.100 PAN CH 108 (100/50) N36°48.85'
E11°57.91' At Fld. 604/(A)0°00.0'E **PANTELLERIA NDB** - MHW 335.000 PAN N36°48.68'
E11°57.66' At Fld. Unk/1°30.7'E **VHF/DF**
PAN VOR-DME MRA 20-40 NM 070°-090° 5000'
090°-100° 10,000'
100°-120° 14,000'
120°-156° not usable
157°-260° 14,000'
260°-310° 8000'
310°-070° 4000'
PAN VOR-DME MRA within 20 090°-100° 8000'
NM 100°-160° 14,000'
160°-240° 8000'
240°-300° 5000'
300°-090° 2000'
R-157 9000'
PAN NDB MRA 50 NM 4000'

PAPA, (PARDUC) HU **LHPA** MIL N47°21.84' E17°30.05' 485 UTC+1(+2DT) **H-4E, L-10F**
RWY-16 L6,12,43 (7874x197 CON) L6,12 **RWY-34**
→HOOK UNK (820') HOOK UNK (1468') →
SERVICE - **A-GEAR** - Rwy 16-34 (ATU3 RUSSIAN) **FUEL** - (NC-A1)
REMARKS - **RSTD** - Clsd UFN. **CAUTION** - Identical NDB freq on ea end of rwy. Hi speed
restrictions exist for jets.
COMMUNICATIONS - **TWR** - (E) 129.5 129.0
NAVAIDS - **PARDUC NDB** - MHW 481.000 CP N47°19.21' E17°31.52' 336° 2.8 NM to Fld.
Unk/3°01.1'E **PARDUC NDB** - MHW 481.000 PC N47°24.44' E17°28.72' 158° 2.8 NM
to Fld. Unk/3°00.8'E

PARADISI, GR **TVORW-DME** - L 108.600 PAR CH 23 (025/25) N36°24.01' E28°03.92' 072°
1.0 NM to DIAGORAS. 19/3°38.1'E **H-10H-15E, L-14H-15A**

PARCHIM MECKLENBURG, GM See SCHWERIN PARCHIM

PARDUBICE, EZ **LKPD** MIL/CIV N50°00.81' E15°44.32' 741 UTC+1(+2DT)
H-4E-6I-8F, L-6J-22E
RWY-09 L7,50 (8203x246 CON PCN 34 R/C/W/T) L27,30,50 **RWY-27**
SERVICE - **FUEL** - (NC-A1, NC-100LL) **OIL** - MK-8P

AIRPORT/FACILITY DIRECTORY B-335

REMARKS - Civ Opr 0700-1500Z++ Mon-Fri, OT 24 hr PN. Mil Opr H24.

CSTMS/AG/IMG - CSTMS, IMG avbl O/R.

COMMUNICATIONS - **APP** - (R) 127.65 267.3X **TWR** - (V) 121.25 120.2

PRECISION - 123.3 296.825X **OPS** - 138.0X

NAVAIDS - **PRVEK NDB/LOM** - HHW 432.000 PK N50°00.67' E15°48.78' 271° 2.9 NM to Fld. Unk/2°46.2'E

ILS/RADAR - ➔ **ILS-DME** - BRG 271° LCZR PK 109.35 CH 30 (Y) GS 3° ■ **RADAR** - PAR - O/R 24hr PN. Call **PRECISION** - 123.3 296.825X

PARDUC, HU See PAPA

PARIS ACC/FIC, FR **LFFF** (CIV) (R) (V) **CON-AO Sctr** - 125.075, **AR Sctr** - 132.1 129.15, **DO Sctr** - 124.0, **DS Sctr** - 124.625 375.9, **LN Sctr** - 128.875 233.65, **OT Sctr** - 118.725 233.65, **RT Sctr** - 122.575 233.65, **S Sctr** - 125.45 375.9, **TB Sctr** - 128.275 233.65, **TE Sctr** - 128.1 233.65, **TH Sctr** - 124.85 233.65, **TL Sctr** - 120.95, **TM Sctr** - 131.175, **TN Sctr** - 127.3 233.65, **TP Sctr** - 129.0 233.65. **FIS** - (Avbl 0800Z++ - SS+30 but not later than 2000Z++)- **PARIS INFO** - **NORTH Sctr** - 125.7, **SOUTH Sctr** - 126.1, **WEST Sctr** - 129.625 **L-4G, H-5A-6F-7C, D-8F, G, H**

PARIS UACC, FR **LFFF** (CIV) (R) **CON** - **AR Sctr** - 132.1 375.9, **AO Sctr** - 125.075 375.9, **DG Sctr** - 127.05, **DO Sctr** - 124.0, **OG Sctr** - 127.3 313.25, **OT Sctr** - 118.725 233.65, **OY Sctr** - 134.875 313.25, **PU SCTR** - 132.74, **RT Sctr** - 122.575 233.65, **SU Sctr** - 135.305 371.45, **TB Sctr** - 128.275 233.65, **TE Sctr** - 128.1 233.65, **TH Sctr** - 124.85 233.65, **TL Sctr** - 120.95 375.9, **TM Sctr** - 131.175 375.9, **TN Sctr** - 136.375 233.65, **TP Sctr** - 129.0 233.65, **TS Sctr** - 375.9, **TU Sctr** - 132.375 337.05, **UJ Sctr** - 132.675 337.05, **UK Sctr** - 133.925 313.25, **UP Sctr** - 118.225 337.05, **US Sctr** - 128.14, **UT Sctr** - 133.5 337.05, **UZ Sctr** - 131.250 313.25 **H-6F, G, H-7A, B**

PARMA, IT **LIMP** CIV N44°49.47' E10°17.78' 161 UTC+1(+2DT) **H-7C, L-9C**
(B) **RWY-02** L4,6,50 (6962x148 ASP) L3,4,6,11,50 **RWY-20**
6260→ ←6365

SERVICE - **LGT** - Rot ABn on twr avbl O/R. PAPI Rwy 02 MEHT 51', PAPI Rwy 20 MEHT 54'.

FUEL - Avbl 0700-1130Z++, 1330-1700Z++ Mon-Fri; 1130-1330Z++, 1700-2130Z++ Sat, Sun and hol, OT O/R 3 hr PN C+39-0521-9515. (NC-A1)

REMARKS - Opr 0530-2230Z++ plus 30' O/R PN. **RSTD** - Tkof Rwy 20 daylt VMC only. PJE SR-SS Sat, hol, etc ATC prior to eng start. Twy A unuse IMC/ngt, Twy T rstd, Twy T and apn G rqr flw-me IMC/ngt. **CAUTION** - Multi obst at arpt; multi obst rgt/lr RCL Rwy 02 afct PAPI obst protection sfc. **CSTMS/AG/IMG** - O/R 24 hr PN, fax C39 0521 992028.

COMMUNICATIONS - **APP** - (V) 126.55 **TWR** - (V) 118.45

NAVAIDS - **PARMA NDB** - MHW 306.000 PAR N44°49.34' E10°17.60' At Fld. Unk/1°20.2'E MP 0800-0900Z++ 1st Thu ev Jan, Apr, Jul, Oct.

ILS/RADAR - ➔ **ILS** - BRG 197° LCZR IPR 110.5 GS 3°. BC unuse.

PARNU, EN **EEPU** CIV N58°25.14' E24°28.37' 47 UTC+2(+3DT) **H-2H, L-2H**
RWY-03 L5,38,50 (8136x148 CON) L5,11,50 **RWY-21**

SERVICE - **FUEL** - 24 hr PN for more than 264 gal, fone C+372 44 75008/75001. (NC-100LL, A1)

REMARKS - Opr 0600-1500Z++, OT O/R, fone C+372 44 75000, FAX C+372 44 75002. **CSTMS/IMG** - Avbl, 1 hr PN.

COMMUNICATIONS - **AFIS** - Opr HO. 132.0

NAVAIDS - **PARNU VORW-DME** - T 115.900 PRN CH 106 N58°24.99' E24°27.96' At Fld. 58/(A)6°00.0'E **PARNU NDB** - MHW 376.000 R N58°26.15' E24°29.75' 210° 1.2 NM to Fld. Unk/6°31.2'E **PARNU NDB** - HW 425.000 RC N58°29.45' E24°34.29' 210° 5.3 NM to Fld. Unk/6°33.6'E

PAROS, GR **NDB** - MHW 386.000 PAO N37°00.76' E25°07.73' Unk/3°22.3'E **L-14H**

B-336 AIRPORT/FACILITY DIRECTORY

PARSABADE MOGHAN, IR OITP CIV N39°36.22' E47°52.89' 251 UTC+3:30

H-13B, L-17A
RWY-11 (8515x115 ASP) RWY-29

REMARKS - Opr O/R.
COMMUNICATIONS - INFO - 122.8

NAVAIDS - PARSABADE MOGHAN NDB - MHW 338.000 MM N39°36.75' E47°51.28' 113°
1.4 NM to Fld. 241/5°12.0'E PARSABADE MOGHAN NDB - HHW 413.000 PAD
N39°34.72' E47°58.04' 286° 4.3 NM to Fld. 208/5°11.0'E

PASSEIRY, SZ DVORW-DME - HA 116.600 PAS CH 113 (080/50) N46°09.82' E5°60.00'
1418/(A)0°00.0'E (120/50 090°-270°) H-7B, L-8H-9A

PATREKSFJORDUR, IC BIPA CIV N65°33.35' W23°57.90' 11 UTC 0 L-1A
RWY-14 L6 (4593x148 BIT) L6 RWY-32

SERVICE - LGT - Rwy lgt used only in daytime, exc emerg. FUEL - (NC-100LL)
REMARKS - Opr O/R via C354-456-2266. CAUTION - Rwy 14-32 is sfc dressing. Use brakes
with ctn and use as big a turning rad as possible.
COMMUNICATIONS - REYKJAVIK ACC - 119.7 RDO - 119.1
NAVAIDS - PATREKSFJORDUR NDB - MHW 348.000 PA N65°33.35' W23°57.18' At Fld.
Unk/19°05.0'W

PATTON AHP, KU OK--/OK2A A N28°51.86' E48°09.06' (39RTM2208796283) 150
UTC+3 H-13C, L-18E

(82x82 CON CH47)
L55 (200x200 ASP UH60) L55

SERVICE - LGT - Heliport has lgtd 'H'. Ramp perimeter is lgtd. Level 3 Medevac Helipad is
lgtd. FUEL - J8. Cold refuel on req.
REMARKS - Opr 0400-1500Z. RSTD - PPR rqr fr Blackjack OPS DSN 318-430-7244. MISC -
34 prk pads avbl. CH-47 prk on the conc pads on the E side of the ramp. Level 3 Medevac
Helipad ctc on CTAF 52.45 call sign Sand Sailor.
COMMUNICATIONS - INFO - 53.8 137.175 230.5

PAU PYRENEES, FR LFBP CIV N43°22.80' W0°25.12' 616 UTC+1(+2DT)
H-7A-15A, L-11C
RWY-13 L4,5,9,50 (8202x148 ASP PCN 45 F/C/W/T) L2,3,4,5,9,23 RWY-31

SERVICE - AOE LGT - PAPI Rwy 31 MEHT 70. FUEL - Avbl 0500-2100Z++, OT O/R 1hr.
(NC-100LL, A1)
COMMUNICATIONS - ATIS - 128.475 PYRENEES APP - (R) 121.175 128.8
TWR - 124.15 GND - 121.75
NAVAIDS - VHF/DF
ILS/RADAR - ➡ ILS-DME - BRG 309° LCZR PU 110.1 CH 38 GS 3° LCTR PU 364

PAYAM, (KARAJ) IR OIIP CIV N35°46.57' E50°49.60' 4170 UTC+3:30 H-13C, L-17B
(B) RWY-12 L5 (12005x197 ASP PCN 75 F/C/X/T) L5,12 RWY-30

SERVICE - FUEL - Opr 0130-2030Z (NC-A1)
REMARKS - RSTD - 24 hr PPR. CAUTION - Animal and bird haz. CSTMS/AG/IMG - Avbl
0130-2030Z, ltd svc avbl.
COMMUNICATIONS - ATIS - 117.5 INFO - (V) 118.4 121.65 235.4 9011
NAVAIDS - PAYAM ABVORW-DME - HA 117.500 PIM CH 122 N35°45.72' E50°51.09' 301°
1.5 NM to Fld. 4125/(A)3°30.0'E PAYAM NDB - HW 306.000 PIM N35°45.71' E50°50.97'
304° 1.4 NM to Fld. 4170/4°5.0'E
PIM VOR-DME unuse
020°-090° blw 20,000'
090°-110° blw 13,000'
110°-180° blw 11,000'
180°-240° blw 13,000'
240°-350° blw 15,000'
350°-020° blw 16,000'

AIRPORT/FACILITY DIRECTORY B-337

PAYERNE, SZ **LSMP** MIL N46°50.59' E6°54.90' 1465 UTC+1(+2DT) **H-7C, L-9A**
RWY-05 L7,34,50 (9376x130 ASP) L7,34,50 **RWY-23**
8011→ ←8019
←NET UNK (300' OVRN) HOOK UNK(B) (1854')
HOOK UNK(B) (2865') NET UNK (300' OVRN) →

SERVICE - LGT - PAPI Rwy 05-23 GS 3.5°.

REMARKS - Opr 0630-1150Z++, 1215-1605Z++ Mon-Fri. **RSTD -** PPR **NS ABTMT -** Tkof
Rwy 05/23, avoid area localities.

COMMUNICATIONS - APP/DEP - (R) 141.8 337.775 **ARR - (R)** 130.625 136.35 143.775
249.8 280.25 340.275 **TWR -** 128.675 372.85 **INFO -** 138.05 268.625

ILS/RADAR - ➔ILS-DME - BRG 229° LCZR IPY 109.3 CH 30 GS 3.7°.

PECS-POGANY, HU **NDB -** MHW 412.000 PP N46°00.35' E18°13.97' At PECS SOUTH.
Unk/3°5.0'E **L-10G**

PECS SOUTH, (POGANY AIRPORT) HU **LHPP** PVT N45°59.46' E18°14.46' 1000
UTC+1(+2DT) **L-10G**
RWY-16 L5,12,50 (4922x98 ASP PCN 25 F/C/X/T) L5,11,50 **RWY-34**

SERVICE - LGT - PAPI Rwy 16 MEHT 48', PAPI Rwy 34 MEHT 56' **FUEL -** (NC A-1, 100LL)

REMARKS - Opr 0900Z++-SS **CAUTION -** 935' AMSL twr 1.6 NM N of thld Rwy 16, 1745'
AMSL hill 7.7 NM N thld Rwy 16 and 797' AMSL hill 1.9 NM W of arpt.

COMMUNICATIONS - POGANY INFO - Opr 0900Z++-SS 126.9

NAVAIDS - PECS-POGANY NDB - MHW 412.000 PP N46°00.35' E18°13.97' At Fld.
Unk/3°5.0'E

ILS/RADAR - ➔ ILS-DME - BRG 335° LCZR PCS 108.35 CH 20(Y) GS 3°

PEENEMUNDE, GM **EDCP** PVT N54°09.47' E13°46.36' 7 UTC+1(+2DT) **L-2F, H-5D**
RWY-13 (7874x197 CON) **RWY-31**

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr 0800-1600Z DT, OT PPR.

COMMUNICATIONS - BERLIN INFO - 132.65 251.375 North **INFO -** 122.475 15NM to
3000 ft AGL.

PENZING, GM See LANDSBERG LECH

PERALES, SP **DVORW-DME -** HA 116.950 PDT CH 116(Y) N40°15.17' W3°20.88' 328°
17.6 NM to BARAJAS. 2513/2°08.8'W **H-3A-16I, L-11B**

PERDASDEFOGU, IT **TACAN -** L PED CH 27 N39°40.15' E9°26.60' 1951/1°07.7'E
PED TACAN MRA 40 NM 030°-060° 11,000'
060°-290° 7000'
290°-030° 14,000'

L-12E, H-15B

PERETOLA, IT See FIRENZE

PERONNE ST QUENTIN, FR **LFAG** CIV N49°52.11' E3°01.77' 295
UTC+1(+2DT) **L-7D**
RWY-09 (4560x98 PEM S51 T64 ST82 TT116) **RWY-27**
SERVICE - FUEL - 100LL (24hr PN fone C03 22 85 61 28 or C03 22 85 53 50)
REMARKS - Opr HX. **RSTD -** NORDO proh. **CAUTION -** Pilot trng, PJE.

PERPIGNAN, FR **VORW-DME -** HA 116.250 PPG CH 109(Y) (080/50) N42°45.03'
E2°52.03' At RIVESALTES. 134/(A)1°0.0'W (100/50 045°-135°) **H-7B-15A, L-11C**

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PERTH, UK **VORW** - HA 110.400 PTH N56°26.55' W3°22.12' Unk/(A)6°00.0'W (80/FL500)
H-2E-3D-5A, L-3C

PERUGIA, (PERUGIA SAN EGIDO) IT **LIRZ** CIV N43°05.75' E12°30.79' 693
UTC+1(+2DT) **H-7D-15C, L-12E**
(B) **RWY-01** L5,9,12,50 (5564x148 ASP PCN 71 F/B/W/T) L5 **RWY-19**
←5479

SERVICE - LGT - PAPI Rwy 01 GS 3.4° MEHT 53.5'. Abn opr 0400-2200Z++ **FUEL** -
(NC-100LL, A1)
REMARKS - Opr 0530-2130Z++, svc to 2300Z++ PPR. **CAUTION** - Multi obst near arpt.
Men and equip WIP near rwy. **CSTMS/IMG** - Avbl O/R 0600-1800Z++.
COMMUNICATIONS - TWR - Opr 0500-2300Z++ (E) 118.1 **INFO** - Opr 0500-2300Z++
(E) 118.1
NAVAIDS - PERUGIA VORW-DME - HA 109.400 PRU CH 31 (050/25) N43°06.10'
E12°30.71' At Fld. 721/(A)0°00.0'E **VHF/DF**
PRU VOR-DME MRA 25 NM 020°-130° 12,000'
130°-020° 8000'
ILS/RADAR - →ILS-DME - BRG 013° LCZR IPE 110.95 CH 46(Y) GS 3.4° ILS GP Rwy 01
coverage assured at 10 NM at/abv 3000'. IPE DME MRA same as PRU VOR/DME. ILS O/S
UFN.

PERUGIA SAN EGIDO, IT See PERUGIA

PESCARA, (P LIBERI) IT **LIBP** CIV N42°25.90' E14°10.86' 48 UTC+1(+2DT) **H-15C, L-12F**
(B) **RWY-04** L5,9,50 (7933x148 ASP PCN 74 F/B/W/T) L5,9,33,50 **RWY-22**
7589→ ←7316

SERVICE - LGT - PAPI Rwy 04 MEHT 46', Rwy 22 MEHT 53'. Rwy 22 thld lgt begin 328' prior
to thld. **FUEL** - Avbl 0600-2300Z++, OT O/R Fina C+39 085 431507. (NC-100LL, J8)
REMARKS - Opr 0700-1900Z++. **RSTD** - Twy A proh to acft ICAO Cat D due to obst.
CAUTION - Multi cranes fr 1.5NM to thld Rwy 22 up to 231' MSL. **NS ABTMT** - Ldg acft
use of reverse thrust proh exc for safety. 2200Z-2300Z++ ldg acft must use entire len of
rwy. APU not auth til 60 min before ETD or 20 min aft ATA. **CSTMS/IMG** - CSTMS
0700-1300Z++, 1400-2000Z++, IMG 0500-2300Z++, OT O/R.
COMMUNICATIONS - APP - Opr H24. (E) 120.05 **TWR** - Opr H24. (E) 118.45 257.8
NAVAIDS - PESCARA VORW-DME - HA 115.900 PES CH 106 (080/50) N42°26.17'
E14°11.07' At Fld. 30/(A)1°00.0'E MP 0700-0830Z++ 1st and 3rd Thu. **VHF/DF**
PES VOR-DME MRA
080°-180° 25 NM 8000'
180°-280° 25 NM 11,000'
280°-320° 25 NM 9000'
320°-080° 25 NM 4000'
060°-100° 40 NM 8000'
100°-150° 40 NM 15,000'
150°-270° 40 NM 16,000'
270°-350° 40 NM 13,000'
350°-360° 40 NM 6000'
R-085 at 40 NM 8000'
R-085 byd 40 NM 16,000'
R-357 at 25 NM 4000'
R-357 at 40 NM 8000'
ILS/RADAR - → ILS-DME- BRG 221° LCZR IPS 110.7 CH 44 GS 3°

PETERBOROUGH, UK See CONINGTON

PETROPAVLOVSK-KAMCHATSKY ACC, RS **UHPP** (CIV) (R) **CON** -
135.4 135.4 **RDO** - (6544 10039 11285 daylt) (3401 3407 3443 ngt) **T-2G**

PEVEK ACC, RS **UHMP** (CIV) (R) **CON** - 134.1 134.1 Opr 2100-0600Z++ Mon-Fri.
Russian Only

AIRPORT/FACILITY DIRECTORY B-339

PEVEK, RS **UHMP** CIV N69°47.00' E170°35.82' 11 UTC+12(+13DT) **T2-G**
RWY-17 L7,9,20 (8202x138 CON PCN 23 R/A/X/T) **L9 RWY-35**
8042→
SERVICE - FUEL - (NC-TS-1)
REMARKS - Opr 2100-0600Z++ Mon-Thu. **RSTD** - Afdl for emerg ldg of flt opr along the cross-polar rte. **RWY** - Fst 164' of Rwy 17/35 unuse for tkof.
COMMUNICATIONS - APP - Opr 2100-0600Z++ Mon-Fri. Call KRUG. Svc as APP, START, and TAXIING. 124.2
NAVAIDS - PEVEK NDB - HHW 272.000 PK N69°49.30' E170°34.10' 166° 2.4 NM to Fld. Unk/0°52.2'W Opr 2100-0600Z++ **PEVEK NDB** - HHW 272.000 BM N69°44.10' E170°37.60' 349° 3.0 NM to Fld. Unk/0°50.3'W Opr 2100-0600Z++
ILS/RADAR - ➔ ILS - BRG 347° LCZR IBM 108.3 GS 2.8° LOM BM 272 Opr HO.

PIACENZA, (PIACENZA S DAMIANO) IT **LIMS** MIL N44°54.78' E9°43.40' 456
UTC+1(+2DT) **H-7C, L-9B**
(B) **RWY-12** L3,4,5,9,50 (9828x148 ASP SWL28) **L3,4,5,9,33,50 RWY-30**
8980→ ←8955
HOOK BAK-12A(B) (975') HOOK BAK-12A(B) (974')
SERVICE - LGT - PAPI Rwy 12 GS 2.5° MEHT 43', Rwy 30 GS 2.5° MEHT 43'. PAPI Rwy 12/30 O/S UFN. **JASU** - 1(A-3A) **FUEL** - Avbl 0700-1800Z++ Mon-Thu, 0700-1400Z++ Fri. 100LL, J8. **FLUID** - LHOX LOX **OIL** - O-113-117-123-148-156
REMARKS - Opr 0600-1600Z++ Mon-Thu, 0600-1300Z++ Fri, OT PPR. **RSTD** - PPR 24 hr PN for non-asgn acft. Rpt PPR nr on FPL. **NS ABTMT** - VFR tkof Rwy 30 avoid Viconti town by turning rgt hdg 320° or lt hdg 280° til 1500'.
COMMUNICATIONS - APP - . (E) 123.925 231.8 362.3 **TWR** - (E) 122.1 136.075 257.8 368.9
NAVAIDS - PIACENZA TACAN - HA PIA CH 121 (040/25) N44°55.03' E9°43.23' At Fld. 484/1°12.2'E No back-up pwr. MP 0800-1100Z++ 2nd Tue. **PIACENZA NDB** - HW 440.000 PIA N44°52.30' E9°49.60' 298° 5.1 NM to Fld. Unk/1°13.7'E
PIA TACAN MRA 40 NM 120°-170° 11000'
170°-260° 14,000'
260°-300° 8000'
300°-120° 4000'
040°-090° 50 NM 3000'
090°-310° 50 NM 13,000'
310°-340° 50 NM 5500'
340°-040° 40 NM 9000'
PIA NDB MRA
ILS/RADAR - ■ RADAR - GCA - Opr 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri. MP 0800-0900Z++ Mon-Fri. 123.3 372.65 396.7 334.0x 385.4x

PIACENZA S DAMIANO, IT See PIACENZA

PIASECZNO, PL **NDB** - HW 330.000 PNO N52°03.21' E21°03.76' 329° 7.6 NM to OKECIE. Unk/4°18.8'E **1B, T-1E**

PICO, PO Azores I **LPPI** CIV N38°33.26' W28°26.48' 109 UTC-1(0 DT) **L-1B**
RWY-09 L7,50 (5725x148 ASP PCN 80 F/B/W/T) **L7,10,50 RWY-27**
5479→ ←5528
REMARKS - Opr 0900-1200Z++, 1400-1700Z++. OT O/R to Arpt Chief with 2 hr PN.
CAUTION - In the S sector of afdl, 7713' Pico mt causes restriction of IFR pro. Freq winshear/turbulence. Bird haz. **MISC** - Clnc required fr Horta Twr (118.0).
COMMUNICATIONS - RDO - Avbl O/R. 2 hr PN rqr. 122.7
NAVAIDS - PICO NDB - MHW 420.000 PI N38°33.49' W28°24.19' 263° 1.8 NM to Fld. Unk/11°15.7'W
PI NDB unuse 130°-240°

PIERREFEU, FR **LFTF** MIL N43°14.87' E6°07.60' 266 UTC+1(+2DT) **H-7C-15B, L-11D**
RWY-11 (6471x98 ASP S129 ST175 T226) **RWY-29**
5421→ ←5421
A40 UNK (1017') A40 UNK (982')

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SERVICE - FUEL - Avbl 0900-1700Z++ Mon-Fri; OT O/R with 3 hr PN rqr. 100LL, A1+ **OIL** - O-113-117-123-133

REMARKS - Opr HX. Hrs trns on auto INFO freq 118.275. **RSTD** - LDA for lgt acft and acft with twin wheel gear rstd to 4439' because of A-GEAR. **NORDO** proh-VMC. PPR before 1500L prev workday to Le Palyvestre, LFTHZPZX, fone C04.94.12.45.70. **CAUTION** - VFR tfc SR-30 to SS+30.

COMMUNICATIONS - CUERS TWR - 118.275 119.7 122.7 277.925 339.05 **REMARKS:** (Announce arr on 118.275)

PIESTANY, LO **LZPP** CIV N48°37.51' E17°49.71' 545 UTC+1(+2DT) **H-4E-6J, L-10F-22E**
RWY-01 L5,11,50 (6562x98 ASP PCN 35 F/B/X/T) L5,13 **RWY-19**

SERVICE - FUEL - (NC-A1, 100LL)

REMARKS - Opr 0600-1800Z++ Mon-Fri, OT avbl O/R in writing. **CSTMS/AG/IMG** - 24 hr PN O/R. Visas are not granted see FCG.

COMMUNICATIONS - TWR - (V) 125.45

NAVAIDS - CENTR NDB/LMM - HW 297.000 C N48°36.49' E17°49.34' 011° 1.1 NM to Fld. Unk/3°10.4'E

ILS/RADAR - ILS

PIIKAJARVI, FI **EFPI** CIV N61°14.73' E22°11.60' 148 UTC+2(+3DT) **L-1D**
RWY-12 (3322x59 ASP) **RWY-30**
RWY-17 (3773x59 ASP) **RWY-35**

REMARKS - Opr HX. **CAUTION** - Gldr act with aero tows and winch launches to 2700' AGL.

COMMUNICATIONS - RDO - 123.55

PIRKKA, FI **DVORW-DME** - HA 116.200 PIR CH 109 N61°24.59' E23°34.66'
At TAMPERE PIRKKALA. 450/(A)5°00.0'E **H-2H, L-1D**

PISA, (S GIUSTO) IT **LIRP** MIL/CIV N43°41.04' E10°23.57' 6 UTC+1(+2DT)
H-7D-15B, L-12E, AACDTD

(B) **RWY-04L** L4,6 (9160x141 ASP PCN 87 F/C/W/T) L4,6 **RWY-22R**
8181→
RWY-04R L2,4,5,33,50 (9820x148 ASP PCN 85 F/B/W/T) L4,5,50 **RWY-22L**
9330→ ←8977

SERVICE - AOE LGT - PAPI Rwy 04R MEHT 62', 22L MEHT 68'. **JASU** - 1(A-1A) 1(MC-1A) 1(MD-3) **FUEL** - A-1 (Eni S.p.A. avbl 0530-2030Z++, OT 2 hr PN \$100 ea occurrence, C+39-050-45172). (NC-100LL, J8). **FLUID** - LHOX and LOX avbl Mon-Fri with 24 hr PN, Sat and hol with 72 hr PN by Base OPS. **OIL** - O-117-128-133-147-156 **TRAN ALERT** - No US mil PAX trml svc avbl.

REMARKS - RSTD - 48 hr PN for ldg for NATO acft with PPR fr Base OPS C039-050-928-243/244/212 btn 0600-1400Z++. Rpt PPR Nr in FPL. All US mil acft info by msg to OLI-DET 5-625 Pisa AB. PPR 24 hr PN to ITAF Base OPS via AFTN address LIRPYOYX (incl acft type, msn no, call sign, arr fr, ETA, ETD, destn, rqr svc (fuel RON, trans, etc). **CAUTION** - Hvy copter tfc in area. WIP. Pilots ldg Rwy-22L are advs not to mistake a portion of Pisa-Florence hwy mrk by hi ints yellow lgt 2.6 NM btn R-065 and R-080 of PIS as rwy. Bird act. **NS ABTMT** - Wi safety limits, thrust reversers must be minimized at ev ldg. Fr 2200-0500Z++ acft must use entire rwy len. APU not auth til 60 min before ETD or 20 min aft ATA.

COMMUNICATIONS - APP - (R) (E) 122.1 126.075 124.275 233.05 338.4 (124.275 emerg use only) **REMARKS:** Opr 0001-0700Z++, 1200-2400Z++ Mon; 0001-1200Z++, 1900-2400Z++ Tue, Fri; 0700-1200Z++, 1300-2400Z++ Wed, 0001-1900Z++ Thu; H24 Sat, Hol. **TWR - (E)** 119.1 122.1 257.8 234.1 **GND** - Opr 0700-1200Z++, 1300-1900Z++ Mon-Sat. 121.6

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NAVAIDS - PISA VORW-DME - HA 112.100 PIS CH 58 (040/50) N43°40.63' E10°23.44'
At Fld. 39/(A)0°00.0'E (80/50 to S) MP 0800-1000Z++ third Wed. **PISA TACAN** - HA PIN
CH 20 (040/25) N43°43.22' E10°25.94' 217° 2.8 NM to Fld. 75/1°22.0'E MP 0700-1100Z++
1st and 3rd Fri. **PISA NDB/LOM** - MHW 379.000 PIS N43°35.35' E10°17.82' 035° 7.0 NM
to Fld. Unk/1°20.3'E MP 0900-1000Z++ third Thu.
PIS VOR/DME MRA 40 NM 030°-100° 18,000'
100°-180° 8000'
180°-320° 4000'
320°-030° 12,000'
R-358 byd 40 NM 15,000'
PIN TACAN MRA 40 NM 040°-060° 26,000'
060°-110° 22,000'
110°-200° 6000'
200°-280° 2500'
280°-040° 14,000'
PIS NDB/LOM MRA 25 NM 360°-160° unuse
160°-320° 1500'
320°-360° 8000'

ILS/RADAR - ILS - BC unuse. ■ **RADAR** - ASR - Call APP 312.8 Opr 0001-0700Z, 1200-2400Z
Mon + 0001-1200Z, 1900-2400Z Tue, Fri + 0001-1900Z Wed + 0700-1200Z, 1300-2400Z
Thu, Sat and hol H24, OT O/R to APP. MP 0800-1000Z ev Tue in VMC only.

PISAROVINA, HR NDB - MHW 424.000 PIS N45°36.30' E15°50.64' 047° 12.6 NM
to ZAGREB. 453/2°33.9'E **L-10F**

PITEA, SW ESNP MUNI (CIV) N65°23.90' E21°15.65' 43 UTC+1(+2DT) **H-1C, L-1D**
RWY-16L7 (3281x82 ASP) **L7 RWY-34**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - RSTD - PPR fone C0911 623 15/657 32. **CAUTION** - Ultra lgt and model acft
flying. **MISC** - Sea plane act on river E of rwy. Lnd area marked by buoys.

COMMUNICATIONS - RDO - 123.55

PITHIVIERS, FR VORW - HA 116.500 PTV (040/50) N48°09.33' E2°15.89' 424/(A)3°0.0'W
(100/50 090°-270°) **H-6F-G,7B, L-7C**

PLAGE BLANCHE, (TAN TAN PLAGE BLANCHE) MO GMAT MIL/CIV
N28°26.89' W11°09.68' 653 UTC 0 **H-11C, L-13B**
RWY-03L7 (6562x98 ASP) **L7 RWY-21**

REMARKS - Opr SR-SS. **RSTD** - NORDO proh exc those cleared by DAC. **CSTMS/IMG** -
Avbl O/R.

COMMUNICATIONS - TAN TAN TWR - Opr SR-SS. 129.7

NAVAIDS - TAN TAN VORW - HA 112.300 TAN N28°25.71' W11°10.39' 033° 1.3 NM to Fld.
653/4°36.3'W **TAN TAN NDB** - HHW 274.000 TNA N28°25.87' W11°10.29' 033° 1.1 NM
to Fld. Unk/4°36.3'W

PLAN DE DIEU, (ORANGE) FR LF-/LF51 MIL N44°10.80' E4°55.13' 305
UTC+1(+2DT) **H-7B, L-11D**
RWY-17 (6562x98 ASP S46) **RWY-35**
←5741

REMARKS - Opr HX. **RSTD** - PPR. **MISC** - Parl grass strip, 2133' x 164' E of asphalt rwy.

NAVAIDS - ORANGE TACAN - HA ORG CH 31 (060/25) N44°08.36' E4°51.96' 043° 3.3 NM
to Fld. 197/0°0.0'E MP 0630-1030Z++ Wed or Thu. **ORANGE NDB** - HW 328.000 ORG
N44°08.90' E4°51.43' 055° 3.3 NM to Fld. 197/0°0.0'E

PLANTER, GM NDB - MHW 327.000 DIP N52°28.37' E13°28.10' 270° 2.4 NM
to TEMPELHOF. Unk/2°12.3'E (Max rng 18NM) **L-5D**

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PLEURTUIT, FR **LFRD** CIV N48°35.26' W2°04.80' 219 UTC+1(+2DT) **H-3C-7A, L-7C**
RWY-12 (4708x148 ASP PCN 20 F/C/W/T) **RWY-30**
←4232
RWY-17 L1,5,9,50 (7218x148 ASP PCN 37 F/C/W/T) L1,2,5,23,50 **RWY-35**

SERVICE - AOE **LGT** - Activate HIRL Rwy 17, 35 on 120.15. PAPI Rwy 17 GS 3.9° MEHT 60', PAPI Rwy 35 MEHT 43'. **FUEL** - (NC-100LL avbl arpt hrs, OT 12 hr PN rqr; A1 avbl 0500-2000Z++ Mon-Fri, OT and hol 1 hr PN rqr) fone C02.99.82.72.12.

REMARKS - Opr 0615-1945Z++ Mon-Fri. Sat, Sun, hol opr 0830-1800Z 30 Oct-17 Mar, 0615-1845Z 18 Mar-29 Oct. **RSTD** - NORDO proh. **CAUTION** - Bird haz. **MISC** - Class D airspace dur opr hrs. OT Class G. **RWY** - Rwy 12/30 unuse outside opr hrs.

COMMUNICATIONS - **DINARD ATIS** - 124.575 **DINARD TWR** - 120.15 Up to 1500' MSL

NAVAIDS - **DINARD VORW-DME** - HA 114.300 DIN CH 90 (080/50) N48°35.16' W2°04.94' At Fld. 213/(A)4°0.0'W R-338 out of tolerance.

ILS/RADAR - ➔ **ILS-DME** - BRG 353° LCZR DR 110.75 CH 44(Y) GS 3° LCTR DR 390.

PLOUJEAN, FR **LFRU** CIV N48°36.19' W3°48.95' 272 UTC+1(+2DT) **H-3C, L-7A**
RWY-05 L5 (5305x118 ASP PCN 9 F/C/W/U) L5,9,50 **RWY-23**
4846→

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0800-1100Z++, 1300-1600Z++ Mon-Fri. OT and hol PN, fone C02 98 88 00 36. **RSTD** - NORDO proh. **CAUTION** - Pilot trng and ultralgt act. **CSTMS/AG/IMG** - CSTM avail opr hrs. OT PN rqd fone C02 98 88 00 36.

COMMUNICATIONS - **LANDI APP** - 122.4 **IROISE APP** - (When LANDI APP is clsd) 135.825

NAVAIDS - **MORLAIX NDB** - MHW 371.000 MLX N48°38.80' W3°45.76' 223° 3.4 NM to Fld. Unk/3°11.2'W **VHF/DF**

ILS/RADAR - ➔ **LOC-DME** - BRG 225° LCZR MX 110.5 CH 42 LCTR MLX 371

PLOVDIV, (KRUMOVO) BU **LBPD** CIV N42°04.07' E24°51.05' 597 UTC+2(+3DT)
H-4G, L-12H
RWY-12 L5,27,50 (8202x148 CON PCN 38 R/A/X/T) L5,27,50 **RWY-30**

SERVICE - AOE **FUEL** - (NC-A1) **FLUID** - De-ice

COMMUNICATIONS - **TWR** - (V) 119.6

NAVAIDS - **PLOVDIV DVORW-DME** - HA 114.900 PDV CH 96 N42°03.20' E24°52.57' 304° 1.4 NM to Fld. 590/(A)2°00.0'E

ILS/RADAR - ➔ **ILS/DME** - BRG 124° LCZR IPD 109.9 CH 96 GS 3°. Use DME fr PVD DVOR-DME.

PLUGUFFAN, FR **LFRQ** CIV N47°58.50' W4°10.07' 297 UTC+1(+2DT) **H-3B, L-7A**
RWY-04 (2657x148 ASP PCN 34 F/C/W/T) **RWY-22**
←2493
RWY-10 L1,5,9,50 (7054x148 ASP PCN 34 F/C/W/T) L1,5,27 **RWY-28**
6710→

SERVICE - **LGT** - Rwy 22: Blue strip lgt fr thld to S twy. Pilot ctl lgt avbl. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0515-2130Z++ Mon-Fri; 0515-1800Z++ Sat; 0800-2130Z++ Sun. **CSTMS/IMG** - Avbl O/R 24 hr to Quimper BSI.

COMMUNICATIONS - **IROISE APP** - Opr H24. (R) 119.575 **QUIMPER TWR** - 118.625
REMARKS: Opr 0500-2145Z++ Mon-Fri, 0500-1900Z++, 2125-2200Z++ Sat, 0800-2145Z++ Sun. OT PPR before 1100Z++ prev bus day, fone C02 98 94 01 15.

NAVAIDS - **QUIMPER VORW-DME** - HA 117.800 QPR CH 125 (150/50) N47°57.44' W4°11.08' 038° 1.3 NM to Fld. 285/(A)5°0.0'W **QUIMPER NDB** - MHW 380.000 RQ N47°58.10' W3°59.91' 273° 6.8 NM to Fld. 386/3°10.0'W **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 277° LCZR QR 110.3 CH 40 GS 3° LCTR RQ 380

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PLYMOUTH, UK EGHZ CIV N50°25.37' W4°06.35' 476 UTC 0(+1DT) **L-4F**
(B) **RWY-06** L5,50 (2641x85 ASP PCN 11 F/C/Y/U) L5,50 **RWY-24**
2491→ ←2475
RWY-13 L5,50,54 (3809x98 ASP PCN 13 F/A/Y/T) L5,33,50,54 **RWY-31**
3589→ ←3612

SERVICE - AOE **LGT** - PAPI Rwy 06 and 13 GS 3.75°; PAPI Rwy 24 GS 4°; PAPI Rwy 31 GS 3.5°. Rwy 06 MEHT is 22', Rwy 24 MEHT is 23', Rwy 13 MEHT is 25', Rwy 31 MEHT is 40'.
JASU - 1(E1) 1(C1) **FUEL** - (NC 100LL, A1) **OIL** - O-117-123-128

REMARKS - Opr 0630-2230Z++. Not avbl exc for emer btn 0800-0830Z++, 1030-1100Z++, 1500-1530Z++ and 1730-1800Z++ Sat and Sun. **RSTD** - PPR to all acft exc sked and lcl based tfc. To req PPR contact C01752-515341. **CAUTION** - Animal haz vcnty rwy. Wood pigeons vcnty Rwy 31. **RWY** - Rpt LDA for Rwy 24 is 2323'; Rwy 13 is 3369'; Rwy 31 is 3428'; Rwy 06 is 2231'.

COMMUNICATIONS - **APP** - (R) 133.55 **TWR** - 118.15

NAVAIDS - **PLYMOUTH NDB** - MHW 396.500 PY N50°25.46' W4°06.74' At Fld.
Unk/3°37.0'W **VHF/DF**

ILS/RADAR - **ILS-DME** 31

PLZEN LINE, (LINE) EZ LKLN CIV N49°40.51' E13°16.48' 1188 UTC+1(+2DT)
H-61, L-61
RWY-06 L7 (4757x197 CON PCN 26 R/C/W/T) L7 **RWY-24**
UNK (450' OVRN)

SERVICE - **LGT** - Non std mil lgt sys. **JASU** - Non std. **FUEL** - (NC-J)

COMMUNICATIONS - **TWR** - 129.0 121.275

NAVAIDS - **LINE NDB** - HW 398.000 D N49°40.99' E13°17.65' At Fld. Unk/2°06.2'E

PODGORICA, YI LYPG CIV N42°21.56' E19°15.11' 141 UTC+1(+2DT) **H-4F, L-12G**
(B) **RWY-08** (7145x50 ASP) **RWY-26**
RWY-18 L5,9,12,50 (8202x148 ASP) L5,9,24,50 **RWY-36**

SERVICE - **LGT** - PAPI Rwy 18-36 GS 3.2° MEHT 51'. **FUEL** - (NC-A1)

REMARKS - Opr 0500-2200Z++. H24 for emerg ldg. **RSTD** - Proh when icing cond exist.
CAUTION - Bird haz. **CSTMS/IMG** - Avbl HS.

COMMUNICATIONS - **APP** - 118.7 **TWR** - 118.2

NAVAIDS - **PODGORICA VORW-DME** - HA 113.000 POD CH 77 N42°23.17' E19°15.28' 182° 1.6 NM to Fld. 138/(A)1°00.0'E **PODGORICA NDB** - HW 335.000 POD N42°23.31' E19°15.29' 182° 1.8 NM to Fld. Unk/3°00.1'E **PODGORICA NDB** - MHW 312.000 DAN N42°32.70' E19°07.41' 150° 12.5 NM to Fld. Unk/2°59.5'E **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 002° LCZR YUI 109.9 GS3° LOM GO 420

PODOR, SG NDB - HW 376.000 SR N16°38.96' W14°57.99' 79/7°22.0'W Opr reg sked flt 45 min before arr, non-sked flt wkcd O/R 3 hr PN. Sun and hol O/R preceding day. **L-19A**

POGANY, HU See PECS SOUTH

POITIERS, FR VORW - HA 113.300 POI (060/50) N46°34.86' E0°17.89' At BIARD.
426/(A)3°0.0'W **NDB** - HW 363.000 PI N46°42.24' E0°24.42' 211° 8.1 NM to BIARD.
316/1°29.0'W **H-7A, L-8F**

POLE HILL, UK VORW-DME - HA 112.100 POL CH 58 (150/50) N53°44.63' W2°06.20' 1400/(A)4°12.0'W (150/50 079°-019°; due to terrain, low level coverage reduced 283°-338°) **H-3D-5A, L-3C, T-1F**

POLLENSA, SP DVORW-DME - HA 116.400 POS CH 111 N39°55.65' E3°06.87' 218° 28.4 NM to PALMA DE MALLORCA. 1168/(A)1°00.0'W
POS VOR-DME unuse 114°-139° blw 6500'
194°-254° blw 6500'

H-15A, L-11C

B-344 AIRPORT/FACILITY DIRECTORY

POMIGLIANO, IT DVORW-DME - L 117.850 POM CH 125(Y) N40°55.69' E14°23.01'
237° 4.9 NM to CAPODICHINO. 109/2°05.3'E MP 0800-1000Z++ 2nd Thu. **NDB/LOM** -
HW 351.000 POM N40°55.72' E14°22.98' 237° 4.9 NM to CAPODICHINO. Unk/2°05.3'E
MP 0800-1000Z++ 2nd Wed.
POM VOR-DME MRA 25 NM 030°-155° 8500'
155°-180° 10,000' at 15 NM, unuse byd
180°-260° 4500'
260°-300° 2000'
300°-350° 4500'
350°-030° 7000'
POM NDB MRA 30 NM 180°-250° 5000'
250°-180° 10,000'

L-12F

PONTA DELGADA, (JOAO PAULO II) PO Azores I LPPD CIV
N37°44.47' W25°41.87' 259 UTC-1(0 DT) **H-1A, L-1C**
(B) **RWY-12** L4,5,10,50 (8192x148 ASP PCN 62 F/B/W/T) L4,5,10,50 **RWY-30**
←7405

SERVICE - AOE **LGT** - PAPI Rwy 12,30 MEHT 68'. **FUEL** - (NC-A1)

REMARKS - Opr 0615-2400Z++. Emerg svc with 1 hr PN. **CAUTION** - Bird haz. Gnd rises significantly NW of strip, especially on Rwy 30 extended cntrline sctr. Turnaround proh for acft with tkof wt over 80 tons.

COMMUNICATIONS - **APP** - Opr HO. (V) 119.4 **TWR** - Opr HO. (V) 118.3

NAVAIDS - **SAO MIGUEL DVORTACW** - HA 114.500 VMG CH 92 N37°50.77' W25°45.48'
156° 6.9 NM to Fld. 2789/10°12.5'W **PONTA DELGADA NDB** - HHW 351.000 PD
N37°44.10' W25°40.50' 289° 1.1 NM to Fld. Unk/10°10.0'W **PONTA DELGADA NDB** -
HHW 371.000 MGL N37°44.48' W25°35.03' 270° 5.4 NM to Fld. Unk/10°08.0'W
VMG TACAN unuse 170°-190° byd 40 NM blw 6000'
VMG VORTAC unuse 090°-120° byd 30 NM blw 8000'

ILS/RADAR - ➔ **LOC-DME** - BRG 304° LCZR NL 109.5 CH 32

PONTARLIER, FR LFSP CIV N46°54.24' E6°19.64' 2683 UTC+1(+2DT) **L-8H-9A**
RWY-02 L7 (3277x98 ASP S23) L7 **RWY-20**
3209→

SERVICE - **FUEL** - Avbl SR-30-SS+30, 2 hr PN. (NC-100LL)

REMARKS - Opr HX. **CSTMS/AG/IMG** - CSTMS avbl SR-30-SS+30, O/R 12 hr PN.

PONTECAGNANO, (SALERNO PONTECAGNANO) IT LIRI CIV
N40°37.22' E14°54.68' 123 UTC+1(+2DT) **L-12F**
RWY-05 (4577x148 ASP PCN 16 F/B/X/T) **RWY-23**
←4265

SERVICE - **FUEL** - Avbl 0800-1200Z++, 1400Z++ - SS+30 Mon-Sat, OT O/R 24 hr PN, C+39
0828 354722. (NC-100LL, A1)

REMARKS - Opr 0700Z++-SS +30. **RSTD** - Ctc Salerno AFIS before eng start. Twy C for lcl acft only. Dep Rwy 05 rqr taxi via rwy.

COMMUNICATIONS - **SALERNO INFO** - (V) 119.175 257.8

NAVAIDS - **VHF/DF**

PONTIVY, FR LFED CIV N48°03.51' W2°55.31' 407 UTC+1(+2DT) **L-7B**
RWY-10 L1,7 (3678x98 ASP S37 T50 TT87) L1,7 **RWY-28**

SERVICE - **LGT** - PCL avbl PPR prior 1600Z prev work day by fax, C02 97 25 63 69. Activate -
Rwy 10/28 129.75

REMARKS - **RSTD** - NORDO proh. **CAUTION** - Aerobatics SR-SS to FL45. Model acft act
0900-1300Z++ Sun and hol; 1400-1800Z++ Wed, S of Rwy 10 thld, to 330'.

PONTOISE, FR VORW - HA 111.600 PON (040/50) N49°05.76' E2°02.15'
At CORMEILLES EN VEXIN. 318/(A)3°0.0'W (60/50 315°-045°) **H-6F, L-7C**

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PONZA, IT VORTACW - HA 114.600 PNZ CH 93 (200/60) N40°54.72' E12°57.45'
684/(A)1°00.0'E MP VOR-0700-0800Z++, VOR 1300-1400Z++, TACAN 1300-1400Z++ 3rd
Thu. **NDB** - MHW 367.500 PNZ N40°54.67' E12°57.37' Unk/1°49.8'E MP 0800-1100Z++
1st Wed.
PNZ TACAN MRA 40 NM 360°-060° 6000'
060°-175° 3000'
175°-185° 9000'
185°-360° 3000'
PNZ TACAN MRA BYD 25 NM 260°-270° 6000'
PNZ VOR MRA 40 NM 360°-060° 6000'
060°-360° 3000'
PNZ NDB MRA 50 NM 350°-080° 8000'
080°-350° 2500'

H-7D-15C, L-12E

PORETTA, FR LFKB CIV N42°33.16' E9°29.02' 26 UTC+1(+2DT) **H-7C-15B, L-12E**
RWY-16 L5,9,50 (8266x148 ASP) L5,9,50 **RWY-34**
S208 T231 ST175 TT300)

SERVICE - AOE **LGT** - PAPI Rwy 16 MEHT 48', PAPI Rwy 34 MEHT 60'. **FUEL** - Avbl
0600-1800Z++. (NC-100LL A1, A1 avbl OT O/R before 1500Z++.)

COMMUNICATIONS - **BASTIA ATIS** - 125.925 **BASTIA RADAR APP - (R)** 123.825
127.25 **BASTIA APP** - 378.5 **BASTIA TWR** - 118.0 **GND** - 121.825
BASTIA INFO - 124.725

NAVAIDS - **BASTIA VORW-DME** - HA 114.150 BTA CH 88(Y) (080/50) N42°34.41' E9°28.49'
161° 1.3 NM to Fld. 36/(A)0°00.0'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 343° LCZR BP 111.35 CH 50(Y) GS 3° LCZR BP 369.

PORI, FI EFPO CIV N61°27.70' E21°48.00' 44 UTC+2(+3DT) **H-2H, L-1D**
RWY-12 L5,38,50 (7713x197 ASP PCN 75 F/A/W/T) L5,11,50 **RWY-30**
7401➔ ←6581
RWY-17 (2628x98 ASP PCN 17 F/C/X/T) **RWY-35**

SERVICE - AOE **LGT** - PAPI Rwy 12 GS 3.5°. **FUEL** - (NC-100LL avbl H24; A1 avbl dur twr hr
with 2 hr PN.) **FLUID** - De-Ice

REMARKS - Opr HO. **MISC** - Class D Airspace eff twr hr, OT Class G.

COMMUNICATIONS - **ATIS** - Opr H24. 113.2 **TWR - (V)** 119.25 119.7

NAVAIDS - **PREVIK DVORW-DME** - HA 113.200 PRI CH 79 N61°27.88' E21°47.75' At Fld.
62/(A)4°00.0'E **PORI NDB** - MHW 341.000 POR N61°30.39' E21°40.17' 120° 4.6 NM
to Fld. Unk/6°05.2'E **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 301° LCZR PO 109.1 GS 3°.

PORTIMAO, PO LPPM CIV N37°08.96' W8°35.04' 5 UTC 0(+1DT) **L-11A, L-13B**
RWY-11 (2819x98 ASP) **RWY-29**
←2508

SERVICE - **FUEL** - Avbl 1000-1800Z++; OT 24 hr PPR. (NC-100LL, A1)

REMARKS - Opr 0800-2000Z++. **RSTD** - Lgt acft only. **CAUTION** - Off ASP areas,
shoulders are soft. Model acft act btn May and Oct dly fr 1000Z++ til 1 hr before SS.

COMMUNICATIONS - **RDO** - 122.0

PORTO, (FRANCISCO SA CARNEIRO) PO LPPR CIV N41°14.88' W8°40.88' 228
UTC 0(+1DT) **H-3A, L-11A**
RWY-17 L3,4,5,10,50 (11417x148 ASP PCN 80 F/C/W/T) L4,5,11,50 **RWY-35**
10433➔ ←10925

SERVICE - AOE **LGT** - PAPI Rwy 17 GS 2.7° MEHT 65'; PAPI Rwy 35 MEHT 65'. **FUEL** - Avbl
0800-2400Z++. OT O/R. (NC-100LL, A1)

REMARKS - **RSTD** - PPR for all arr and dep acft. Rstd to acft able to maint two-way com with
Porto Twr. **CAUTION** - Bird haz.

COMMUNICATIONS - **ATIS** - 124.3 **APP** - Opr HX. **(V)** 121.1 343.6 (343.6 MIL)
TWR - (V) 118.0 343.6 (343.6 MIL)

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NAVAIDS - PORTO DVORW-DME - HA 114.100 PRT CH 88 (080/50) N41°16.38' W8°41.27' 174° 1.5 NM to Fld. 182/(A)5°00.0'W (200/50 225°-315°) **PORTO NDB** - HHW 327.000 POR N41°20.88' W8°42.48' 169° 6.1 NM to Fld. Unk/4°02.5'W **PORTO NDB** - HHW 367.000 PG N41°04.68' W8°38.20' 349° 10.4 NM to Fld. Unk/3°59.4'W **VHF/DF**
PRT VOR unuse 340°-360° byd 35 NM
PG NDB unuse 030°-150° byd 20 NM blw 7000'
POR NDB unuse 100°-130° byd 40 NM blw 9000'

ILS/RADAR - ➔ ILS - BRG 178° LCZR PR 109.9 GS 2.72° LMM PM 385

PORTO COLOM, SP NDB - MHW 401.000 PTC N39°25.64' E3°15.40' 288° 25.2 NM to PALMA DE MALLORCA. Unk/0°14.9'W **L-11C**

PORTOROZ, SI LJPZ CIV N45°28.40' E13°36.90' 7 UTC+1(+2DT) **L-9D-10E**
RWY-15 L5,38,50 (3939x98 ASP) **L5 RWY-33** ←3187

SERVICE - LGT - PAPI Rwy 15 GS 3.2°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0600-1400Z (0500-1700Z sum) Mon-Fri; 0700-1600Z (0500-1700Z sum) Sat, Sun. OT 24 hr PN. **CAUTION** - Bird haz. WIP in the vcnty of thld Rwy 15. **CSTMS/IMG** - Avbl O/R.

COMMUNICATIONS - APP - (V) 129.325 OT ctc LJUBLJANA APP CON 118.75.
TWR - (V) 129.325

NAVAIDS - PORTOROZ NDB - MHW 388.000 PZ N45°28.65' E13°36.90' At Fld. 10/2°05.3'E **VHF/DF**

PORTO SANTO, PO Madeira I **LPSS MIL/CIV** N33°04.40' W16°21.00' 341 UTC 0(+1DT) **L-13A**
(B) **RWY-18** L5,38,50 (9861x148 CON PCN 60 F/C/W/T) **L5,38,50 RWY-36**
→BAK-12A (1000') BAK-12A (1018') ←

SERVICE - AOE A-GEAR - O/R 4 hr PPR or dur exercises. **FUEL** - (NC-A1)

REMARKS - CAUTION - Fst 3609' of Rwy 18 vis to twr only via clsd circuit camera. Bird haz. Two movable mechanisms to scare birds.

COMMUNICATIONS - TWR - (V) 118.4 118.75 278.95 **GCA** - Opr HO. **(V)** 123.3 138.025 344.0 385.4

NAVAIDS - PORTO SANTO DVORW-DME - HA 114.900 SNT CH 96 (200/50) N33°05.42' W16°21.03' At Fld. 367/(A)8°00.0'W **MADEIRA DVORW-DME** - HA 112.200 FUN CH 59 (200/50) N32°44.82' W16°42.34' 043° 26.5 NM to Fld. 504/6°33.5'W

PORTO SANTO TACAN - HA STO CH 110 N33°04.52' W16°21.94' At Fld. 338/6°25.8'W

PORTO SANTO NDB - HHW 338.000 PST N33°04.12' W16°21.50' At Fld. 338/6°25.6'W

FUN DVOR unuse 240°-310° within 20NM
FUN DVOR-DME unuse 240°-310° within 20 NM

SNT DVOR-DME unuse 240°-310° byd 20 NM blw 9000'
070°-170°

195° - 250° byd 10NM blw 9000'
STO TACAN unuse 065°-095° byd 50 NM blw 5000'

205°-215° byd 100 NM below 10,000'
225°-235° byd 50 NM below 5000'

ILS/RADAR - ■ RADAR - ASR - Opr HO. Call GCA 138.025 344.0. PAR - Opr HO. Call GCA 123.3 385.4.

PORT SAID, EG HEPS CIV N31°16.77' E32°14.40' 8 UTC+2(+3DT)
H-10H-13A-16G, L-16F
(B) **RWY-10** L12,50,55 (7707x148 ASP PCN 35 F/C/X/U) **L12,50,55 RWY-28**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr SR-SS and O/R.

COMMUNICATIONS - RDO - 5790 3175 (3175 sby) **TWR** - 120.7

NAVAIDS - PORT SAID DVORW-DME - HA 112.700 PSD CH 74 N31°16.73' E32°14.27' At Fld. 30/(A)3°00.0'E (200NM/-)

PORT SUDAN, SU HSPN CIV N19°26.02' E37°14.04' 135 UTC+2 **H-14E, L-20F**
(B) **RWY-17** L6,38,50 (8202x148 ASP PCN 60 F/A/W/T) **L6,11,50 RWY-35**

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SERVICE - AOE **FUEL** - (NC-100LL O/R, A1)

COMMUNICATIONS - APP - (V) 128.1 **TWR** - 118.1

NAVAIDS - **PORT SUDAN VORW-DME** - HA 113.100 PSD CH 78 N19°24.07' E37°14.50'
347° 2.0 NM to Fld. 160/2°40.1'E **PORT SUDAN NDB** - HW 339.000 PSD N19°25.31'
E37°14.57' At Fld. Unk/2°40.2'E

ILS/RADAR - ➔ **ILS-DME** - BRG 345° LCZR 110.3 CH 40 GS 3°

PORVOO, FI **DVORW-DME** - HA 112.800 PVO CH 75 N60°17.66' E25°35.31' 255°
16.5 NM to HELSINKI MALMI. 121/(A)5°00.0'E **H-2H, L-1D**

POTISKUM, NI **VORW-DME** - HA 112.100 PO CH 58 N11°42.30' E11°02.26'
1562/0°50.9'W **L-19C**

POULMIC, FR **LFRL MIL** N48°16.90' W4°26.70' 287 UTC+1(+2DT) **L-7A**
RWY-05 L5,9 (3635x131 ASP PCN 10 F/C/W/T) L5,9,34 **RWY-23**
RWY-13 (2133x177 GRS) **RWY-31**

SERVICE - **FUEL** - (NC-100LL, A1+). **OIL** - O-133-156

REMARKS - Opr 0700-1530Z++ Mon-Thu, 0700-1430Z++ Fri, OT O/R before 1400Z++ last
working day, fone C02 98 23 30 00, fax C02 98 23 30 04. **RSTD** - PPR exc in emerg.

CAUTION - Arpt lctd wi LFP112 BREST. **CSTMS/IMG** - CSTMS avbl O/R 48 hr PN. **RWY** -
Rwy 05-23 central portion PCN 15 F/C/W/T. Rwy 13-31 reserved for based acft.

COMMUNICATIONS - **ATIS** - 137.4 **LANVEOC APP** - (R) (E) 120.6 119.3 339.45 340.2
LANVEOC TWR - (V) 123.2 119.7 386.775 **LANVEOC GND** - 121.9

NAVAIDS - **LANVEOC TACAN** - HA BST CH 94 (040/25) N48°17.08' W4°27.13' At Fld.
286/3°23.2'W **LANVEOC NDB** - MHW 428.000 BST N48°17.02' W4°25.93' At Fld.
Unk/3°22.7'W **VHF/UHF/DF**

ILS/RADAR - ■ **RADAR** - Opr 0700-1600Z++ Mon-Fri, OT and hol O/R 1 hr. ASR - Call
LANVEOC RADAR - 119.3 241.95 PAR - Call FINAL - 119.3 234.075.

POWIDZ, PL **EPPW MIL** N52°22.77' E17°51.23' 371 UTC+1(+2DT) **H-8F-5E, L-21A**
RWY-11L (8940x98 CON PCN 37 R/B/Z/T) **RWY-29R**
RWY-11R L43 (11565x197 CON PCN 79 R/A/W/T) **L43 RWY-29L**

SERVICE - **FUEL** - (NC-A1)

COMMUNICATIONS - **INFO** - 128.5

ILS/RADAR - ➔ **ILS-DME** 29L - BRG 285° LCZR IPW 111.1 CH48 GS 3°

POZAREVAC, YI **NDB** - MHW 416.000 POZ N44°37.25' E21°08.86' Unk/3°30.7'E
H-4F, L-10G-12G

POZNAN, PL **NDB** - HW 429.000 POZ N52°23.88' E16°56.68' 285° 4.6 NM to LAWICA.
Unk/3°13.2'E **H-8F-5E, L-5E-21A**

POZUELOS DE CALATRAVA, SP **LEPZ PVT** N38°54.73' W4°11.47' 1850
UTC+1(+2DT) **L-11B**
RWY-14 (3346x59 ASP) **RWY-32**

PRAHA ACC/FIC, EZ **LKAA (CIV)** **RADAR/CON** - (V) **Sctr WL** - 120.275 120.275
387.775 387.775, **Sctr NL** - 118.375 118.375 387.775 387.775, **Sctr SEL** - 127.125
127.125 387.775 387.775, **Sctr NEM** - 133.53 133.53 387.775 387.775, **Sctr NEU** -
132.805 132.805 387.775 387.775, **Sctr SWM** - 132.065 132.065 387.775 387.775,
Sctr SWU - 133.39 133.39 387.775 387.775, **PRAHA FIC CECHEV Sctr (INFO)** - 126.1
H-4E-5E-6I, J-8E, F, G, L-5D, E-6I, J-10E, F-22E, F, T-1A

PRAHA, EZ **VORW-DME** - HA 112.600 OKL CH 73 (100/50) N50°05.79' E14°15.77'
At RUZYNE. 1200/2°22.1'E **H-6I, L-6J, T-1A**

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PRATICA DI MARE, (M DE BERNARDI) IT **LIRE** MIL N41°39.27' E12°26.71' 41
UTC+1(+2DT) **H-7D-15C, L-12E**
(B) **RWY-13** L4,6,9,50 (CLSD 8335x148 ASP L3,4,6,9,33,50 **RWY-31**
7805→ PCN 60 F/C/X/T)
BAK-14 500S(B) (1484') BAK-14 500S(B) (761')
RWY-13L L7,50 (8138x98 ASP PCN 62 F/C/X/T) L7,50 **RWY-31R**
7708→ ←7708
BAK-12A(B) (930') BAK-12A(B) (698')

SERVICE - LGT - PAPI Rwy 13 MEHT 49'. A-PAPI Rwy 13L/31R avbl ngt/blw VMC only.
Calvert Rwy 31 O/S UFN. A-PAPI Rwy 13L/31R O/S UFN. **FUEL** - J8 **FLUID** - LHOX LOX
ctc Base OPS. **OIL** - O-113-117-128-133-147-148-156

REMARKS - RSTD - 24 hr PN rqr. PPR Nr rqr on FPL. VFR tfc per Roma ACC instr.
CAUTION - Bird act. Parl twy NOTAM as Rwy 13L/31R VMC only, Rwy 13/31 clsd WIP UFN.
Lgt 165' twr 3150' byd thld Rwy 31, 3740' rgt. **CSTMS/IMG** - Abl after prior coord with
OPS.

COMMUNICATIONS - TWR - (E) 122.1 139.45 257.8 264.7 **GND** - Opr 0630-1445Z++.
121.6 231.75

NAVAIDS - PRATICA DI MARE TACAN - L TPR CH 24 (040/25) N41°37.29' E12°29.63'
310° 2.9 NM to Fld. 135/1°45.7'E MP 1300-1400Z++ 1st and 3rd Mon.
PRATICA DI MARE NDB - MHW 339.000 PRA N41°40.78' E12°27.17' 191° 1.5 NM to Fld.
Unk/1°45.4'E MP 1000-1200Z++ 2nd Fri
TPR TACAN MRA 40 NM 020°-040° 7000'
040°-090° 10,000'
090°-130° 7000'
130°-230° 3000'
230°-280° 4000'
280°-310° 3000'
310°-350° 4000'
350°-020° 5000'
PRA NDB MRA 25 NM 050°-090° unuse
090°-300° 25 NM 1500'
330°-050° 15 NM 4000'

ILS/RADAR - ➡ ILS-DME - BRG 309° LCZR PRA 109.55 CH 32 GS 3°

PREDANNACK, UK **EGDO** MIL N50°00.07' W5°13.85' 295 UTC 0(+1DT) **H-3C, L-4E**
RWY-01 (4610x151 ASP) **RWY-19**
RWY-05 (5984x151 ASP) **RWY-23**
RWY-10 (4295x151 ASP) **RWY-28**
RWY-13 (3005x151 ASP) **RWY-31**

REMARKS - Mon-Fri as req by Culdrose. PPR. **CAUTION** - Rwy 05-23 designated emerg
F/W rwy. Other rwys for use by R/W only. Twy and Rwy 01-19, 10-28, 13-31 poorly
maintained. Sfc may have weeds and be uneven. Civ veh may use perimeter track wo
wng.

COMMUNICATIONS - APP - Call Culdrose 134.05 378.55 **TWR** - 122.1X 278.675
372.775

PREROV, EZ **LKPO** MIL/CIV N49°25.55' E17°24.28' 676 UTC+1(+2DT) **H-4E-6J, L-22E**
(B) **RWY-06** L2,6,30,50 (8123x197 CON PCN 19 R/C/W/T) L6,30,50 **RWY-24**

SERVICE - LGT - Non std mil lgt sys. **JASU** - Non std. **FUEL** - (NC-A1)

REMARKS - CSTMS/IMG - Avbl O/R.

COMMUNICATIONS - APP - 127.775 265.8X **TWR** - 119.75 118.825
PRECISION - (R) 123.3 293.825

NAVAIDS - PREROV NDB - HW 441.000 CK N49°24.42' E17°20.35' 064° 2.8 NM to Fld.
Unk/3°06.9'E

ILS/RADAR - ■ RADAR - PAR - Call PRECISION 297.1 123.3

PRESTWICK, UK **EGPK** CIV N55°30.57' W4°35.20' 65 UTC 0(+1DT)
H-2E-3D-5A, L-3C, AACDTE
RWY-03 L5,50 (6000x148 ASP PCN 60 F/C/X/U) L5,38,50 **RWY-21**
RWY-13 L4,5,33,50 (9800x150 PEM PCN 90 R/C/W/T) L4,5,33,50 **RWY-31**
8999→

AIRPORT/FACILITY DIRECTORY B-349

SERVICE - AOE **LGT** - PAPI Rwy 21GS 3.5° MEHT 57', PAPI Rwy 31 GS 3.5° MEHT 64'.

FUEL - A1, J8 (AIR BP) **OIL** - O-123-128-149-156

REMARKS - **CAUTION** - Severe bird haz. Due to extreme wid of Rwy 13-31 in certain cond, such as lo vis or ngt, the edge lgt may be mistaken for cntrline. The edge lgt are raised and cntrline are flush. Pilots should ensure they are lined up correctly.

COMMUNICATIONS - **ATIS** - 121.125 **APP** - (R) (V) 120.55 **RADAR** - 120.55 119.45
TWR - (V) 118.15 121.8D

NAVAIDS - **PRESTWICK NDB** - MHW 355.000 PIK N55°30.37' W4°34.64' At Fld.
Unk/4°52.1'W **PRESTWICK NDB** - MHW 426.000 PW N55°32.66' W4°40.89' 128° 3.9 NM
to Fld. Unk/4°55.4'W **UHF/DF**

ILS/RADAR - **ILS-DME** -13, 31 **RADAR** Call RADAR 120.55 d119.45

PREVEZA, GR **NDB** - MHW 353.000 PAK N38°54.99' E20°45.44' At AKTIO. Unk/2°58.2'E
H-15D, L-12G

PREVIK, FI **DVORW-DME** - HA 113.200 PRI CH 79 N61°27.88' E21°47.75' At PORI.
62/(A)4°00.0'E **H-2H, L-1D**

PRILEP, MK **NDB-DME** - HHW 297.000 PEP CH 84(Y) N41°20.27' E21°26.92'
2034/3°15.9'E **H-15D, L-12G**

PRINCE ABDULLAH BIN ABDULAZIZ, SA See
KING ABDULLAH BIN ABDULAZIZ

PRINCE MOHAMMAD BIN ABDULAZIZ, (MADINAH) SA **OEMA CIV**
N24°33.21' E39°42.30' 2151 UTC+3 **H-14F, L-20F**
(B) **RWY-17** L5,33,50 (13149x147 ASP PCN 59 F/A/W/T) L5,33,50 **RWY-35**
11344→
RWY-18 L5,12,47 (10039x147 ASP PCN 59 F/A/W/T) L5,33,47 **RWY-36**

SERVICE - **FUEL** - (NC-A1)

REMARKS - **RSTD** - Ovft of city proh. PPR. **CAUTION** - Pilots experiencing windshear are req to rpt time and alt of windshear in their post flt rpt to ATS. Bird haz. **CSTMS/IMG** - CSTMS avbl PN rqr. **RWY** - Use of rwy 18/36 subj to apvl. Dur use by widebody acft, parl twy not auth.

COMMUNICATIONS - **ATIS** - 114.1 **MADINAH APP** - 124.2 278.0

MADINAH TWR - 118.3 390.6 **GND** - (E) 121.9 121.6

NAVAIDS - **PRINCE MOHAMMAD BIN ABDULAZIZ DVORW-DME** - HA 114.100 PMA
CH 88 N24°32.85' E39°42.32' At Fld. 2120/(A)1°00.0'E
PMA VORTAC unuse

020°-115° byd 30 NM blw 6000'

225°-260° byd 10 NM blw FL 155

260°-280° byd 20 NM blw 13,000'

280°-300° byd 10 NM blw FL 250

ILS/RADAR - → **ILS-DME** - BRG 167° LCZR I-NAH 111.7 CH 57 GS 3°

PRINCE SALMAN BIN ABDULAZIZ, (DAWADMI) SA **OEDM CIV**
N24°26.99' E44°07.27' 3026 UTC+3 **H-14F, L-20G**
RWY-15 L5,33,50 (10006x147 ASP PCN 61 F/B/X/T) L5,50 **RWY-33**

REMARKS - Opr HS.

COMMUNICATIONS - **CTAF** - 122.8 **FIRE RESCUE SVC** - 133.5 **REMARKS**: Ctc 15 min
prior ETA.

NAVAIDS - **AL DAWADMI VORW-DME** - HA 116.100 DAW CH 108 N24°26.94' E44°07.15'
At Fld. 3019/2°39.0'E

PRINCE SULTAN AB, (AL KHARJ AB) SA **OEPS MIL** N24°03.76' E47°34.83' 1651
UTC+3 **H-14F, L-20G**
(B) **RWY-17** L2,5,10,50 (13143x148 ASP PCN 63 F/A/W/T) L2,5,10,50 **RWY-35**

B-350 AIRPORT/FACILITY DIRECTORY

SERVICE - LGT - Afld lgt not ctl by twr, ints adjustments rqr 30 min PN. PAPI 17-35 GS 3° not coincidental with ILS RPI. Non-lgt rwy hold line posn signs are in use. Rwy dist markers Rwy 17-35 indicate 12,000' long rwy; rwy dist markers lctn incorrect and do not reflect accurate dist avbl/remaining. **FUEL** - J8 **FLUID** - SP PRESAIR HPOX **TRAN ALERT** - No potable water avbl.

REMARKS - RSTD - Pass VIP codes via UHF to AMC Comd Post at least 1 hr PN. AMC/tran acft ctc BOATER ALPHA 2 hr and at 30 min prior to blkd time. All PAX will not disembark acft prior to CSTMS arr. Twy A is used as emerg ldg strip for C130 and ftr acft only. Twy A is 12,942' x 143' with usable emerg ldg strip 10,337' x 75'. ATC will not provide clnc to land on this twy. Flw-me rqr on haz cargo pad SS-SR. N Inner Loop, N Outer Loop, and S Inner Loop clsd to trans acft. Severe FOD haz exists. Large acft must use min pwr settings dur taxi opr, inboard eng only and do not use reverse thrust or abv idle. All hvy acft must ensure rwy cntlrline posn prior to pwr up, failure to do could result in rwy closure for removal of FOD haz. **CAUTION** - Do not confuse with OEKH (9.5 NM W) or abandoned arpt (5 NM E), OEKJ is in the middle. Extv stu pilot trng at OEKH. Avoid OEP-22. Stay alert for clsd twy and conc jersey barriers in ramp areas for security reasons. Trim Pad conc wall mid-fld not obst lgted. Use ctn on all twy dur periods of darkness or lo vis. Bird haz - exp hvy bird migration act Sep-Oct and Mar-Apr. 12' AGL ILS ant lctd on the end of Rwy 17 and 35 ovrn. 6' AGL lgted ILS mnt ant lctd in the Rwy 35 ovrn 727' and Rwy 17 ovrn 685' into the ovrn on the extn cntlrline. ECD rng lctd at STN 308/1.7NM, sfc to 2500' AGL; twr will sterilize when act. N outer loop cntlrline lgt not avbl. N outer loop edge lgt not avbl. **TFC PAT** - All tfc pat to the E or as directed by ATC. Opposite drct tkof/ldg and INT dep avbl on req. All acft should use UHF freq in the trml area. Rwy 17 dep cross dep end rwy at or abv 20' AGL. Overhead/clsd pat 3200'. Reduced Rwy Separation (RRS) in eff for base asgn acft. RRS ngt 6000' for base asgn acft. **MISC** - Fst 1100' Rwy 17 and fst 1100' Rwy 35 conc, middle 11,143' asphalt. Rwy and twy signs nstd.

COMMUNICATIONS - ATIS - 136.975 **SULTAN APP** - 123.425 261.125

SULTAN TWR - 126.8 255.7 **GND** - 121.9 275.8 **AMC COMD POST** - (Call BOATER ALPHA) 127.9 349.4

NAVAIDS - PRINCE SULTAN TVORTACW - T 115.400 PSA CH 101 N24°04.44' E47°35.00'

At Fld. 1599/2°14.4'E **PRINCE SULTAN TACAN** - T STN CH 68 N24°04.18' E47°34.90'

At Fld. 1589/2°14.4'E No-NOTAM MP: 2200-0000Z Wed.

STN TACAN unuse 145°-149° byd 16 NM blw 5000'

280°-345° all alt/dist

ILS/RADAR - **ILS-DME** - BRG 173° LCZR ISAB 110.7 CH 44 GS 3° **ILS-DME** - BRG 353° LCZR IPSA 111.3 CH 50 GS 3°

PRISTINA, YI **LYPR NATO** N42°34.37' E21°02.15' 1789 UTC+1(+2DT) **H-4F, L-12G**
(B) **RWY-17** L5,9,33,50 (8165x148 ASP PCN 50 R/C/W/T) L7,33 **RWY-35**

SERVICE - FUEL - A1 (Coord all reful act with Pristina OPS 24 hr PN. Fuel payment must be cash in Euro only; credit avbl with 48 hr PN.) **FLUID** - De-Ice

REMARKS - Opr 0700-1700Z+-. **RSTD** - Afld clsd to civ tfc. Ldg at afld avbl only with slot perms. **CAUTION** - Lgted obst 3051' aft thld Rwy 17, 410' lt RCL Rwy 17 49' AGL.

COMMUNICATIONS - APP - (E) 118.775 119.175 228.125 250.0 **TWR - (E)** 120.125 122.1 227.8 **GND** - 118.0 **RAMP OPR** - 136.8

NAVAIDS - PRISTINA VORW-DME - HA 113.300 PRT CH 80 N42°34.35' E21°01.88' At Fld. 1820/3°18.3'E

PROPRIANO, FR **LFKO CIV** N41°39.63' E8°53.38' 13 UTC+1(+2DT) **L-11D-12E**
RWY-10 (4593x98 ASP S23 T37 ST47) **RWY-28**

SERVICE - FUEL - Avbl 0800-1200Z; 1600-2000Z 01 Jun-15 Sep. (NC-100LL, A1)

REMARKS - Opr HX

COMMUNICATIONS - AFIS - INFO 118.5

PROVENCE, FR **LFML CIV** N43°26.13' E5°12.82' 74 UTC+1(+2DT) **H-7B-15B, L-11D**
RWY-14L L3,4,5,12 (11483x148 ASP) L4,5,9,50 **RWY-32R**
10367→ S162 T185 ST175 T370) ←9318
RWY-14R L2,7,9,50 (7776x148 ASP S139 T176 ST175) L7,9,50 **RWY-32L**
←7431

SERVICE - AOE LGT - PAPI Rwy 32R-32L GS 4.0° MEHT 64', PAPI Rwy 14R MEHT 64'.

FUEL - (NC-100LL, A1)

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REMARKS - **RSTD** - PPR 24 hr PN for acft with wingspan greater than 215' and/or len greater than 233'. **CAUTION** - Marignane Berre S/D lctd NE of RWY 14L. **NS ABTMT** - See AP/2 Supplementary Arpt Info.

COMMUNICATIONS - **ATIS** - 125.35 **APP/RADAR** - **(R)** 120.2 129.475 131.225 (131.225 N sctr) (120.2 S sctr) (129.475 on inst) **TWR** - 118.375 119.5 123.725 (123.725, 118.375 on inst) **GND** - 119.075 121.9 (119.075 on inst) **PERFLIGHT** - 121.725 **INFO** - 118.85 127.725 (118.85 in S sctr) (127.725 in N sctr)

NAVAIDS - **MARSEILLE/PROVENCE VORW-DME** - HA 108.800 MRM CH 25 (060/50) N43°22.64' E5°19.59' 305° 6.0 NM to Fld. 771/0°09.6'E (100/50 090°-270°) **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - 32R BRG 315° LCZR MPV 111.15 CH 48(Y) GS 4°. ➔ **ILS-DME** - 14L BRG 135° LCZR ML 110.3 CH 40 GS 3°. ➔ **LOC-DME** - BRG 136° LCZR MCE 108.3 CH 20.

PRUNAY, FR **LFQA** CIV N49°12.52' E4°09.39' 313 UTC+1(+2DT) **L-6F-7D**
RWY-07 L1,750 (3773x98 ASP S69 T111 ST141) L1,750 **RWY-25**
3133➔ ←2707

SERVICE - **LGT** - PAPI both rwy GS 3.25° MEHT 23. **FUEL** - Avbl 0730-1130Z, 1300-1630Z Mon-Fri; 0730-1100Z, 1300-1630Z Sat, Sun and hol. (0630-1030Z, 1200-1630Z Mon-Fri; 0630-1000Z, 1200-1630Z Sat, Sun and hol sum.) (NC-100LL, A1)

REMARKS - Opr HX. **RSTD** - NORDO proh. **CAUTION** - Pilot trng and glldr act.

COMMUNICATIONS - **REIMS APP** - 119.8 **AFIS** - 0800-1130Z, 1300-1630Z (win), 0700-1030Z, 1200-1700Z (sum). 134.925

NAVAIDS - **VHF/DF**

PRUSZCZ GDANSKI, PL **EPFR** MIL N54°14.88' E18°40.29' 21 UTC+1(+2DT)
H-8F-2H-5E, L-2G-21A
RWY-10 (6445x197 CON AUW 33) **RWY-28**

SERVICE - **FUEL** - (NC-A1)

COMMUNICATIONS - **INFO** - 128.5

NAVAIDS - **PRUSZCZ GDANSKI NDB** - MHW 300.000 F N54°14.70' E18°41.96' 277° 1.0 NM to Fld. Unk/3°54.0'E Opr O/R **PRUSZCZ GDANSKI NDB** - MHW 618.000 FT N54°14.43' E18°44.75' 276° 2.7 NM to Fld. Unk/3°54.9'E Opr O/R

PRVEK, EZ **NDB/LOM** - HHW 432.000 PK N50°00.67' E15°48.78' 271° 2.9 NM to PARDUBICE. Unk/2°46.2'E **H-4E-6I-8F, L-6J-22E**

PUDASJARVI, FI **EFPU** CIV N65°24.13' E26°56.82' 397 UTC+2(+3DT) **H-1D, L-1D**
RWY-08 (6562x148 ASP) **RWY-26**

REMARKS - Opr HX. **CAUTION** - Gliders using cable winch launches to 2700 ft AGL and aerotows.

COMMUNICATIONS - **RDO** - 123.2

PULA, HR **LDPL** CIV N44°53.61' E13°55.33' 274 UTC+1(+2DT) **H-4E-7D, L-9D-10E**
RWY-09 L5,20,50 (9678x148 ASP PCN 80 F/B/W/T) L5,20,50 **RWY-27**

SERVICE - **FUEL** - (NC-100LL, J)

REMARKS - Opr 0500-2100Z++ Mon-Sun. **RSTD** - 24 hr PPR acft over 59' len. **CAUTION** - Bird haz.

COMMUNICATIONS - **APP** - Opr H24 **(R) (V)** 118.4 **TWR** - Opr H24 120.0

NAVAIDS - **PULA VORW-DME** - HA 111.250 PUL CH 49(Y) N44°53.54' E13°55.09' At Fld. 189/(A)0°00.0'E **KAVRAN NDB** - HW 265.000 KAV N44°53.72' E14°00.49' 267° 3.7 NM to Fld. 56/2°09.3'E **PULA NDB** - HHW 351.500 PLA N44°53.35' E13°45.21' 086° 7.2 NM to Fld. 27/2°06.1'E **CRES NDB** - MHW 433.000 CRE N44°54.17' E14°24.99' 267° 21.1 NM to Fld. Unk/2°14.5'E

PUMP STATION 3, SA **OEPC** PVT N25°10.47' E47°29.31' 1740 UTC+3
H-14F, L-20G
RWY-14 L6,943 (8005x115 ASP) L6,89,43 **RWY-32**

SERVICE - **FUEL** - PN (NC-A1)

COMMUNICATIONS - **CTAF** - 122.8 **DISPATCH** - Opr SR-SS 138.25

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NAVAIDS - PUMP STATION 3 NDB - MHW 315.000 PS3 N25°10.10' E47°29.79' At Flt.
1740/2°23.5'E

PUMP STATION 6, SA **OEPF** PVT N24°42.62' E44°57.87' 2530 UTC+3

H-14F, L-20G

RWY-17 L6,8,9,43,55

(8005x115 ASP T43)

L6,8,9,43,55 **RWY-35**

SERVICE - FUEL - PN (NC-A1)

REMARKS - Opr Saudi ARAMCO O/R C03-877-4066, fax 03-872-5034.

COMMUNICATIONS - CTAF - 122.8 **DISPATCH** - Opr SR-SS 138.25

NAVAIDS - PUMP STATION 6 NDB - MHW 370.000 PS6 N24°42.00' E44°58.10' At Flt.
2530/2°35.9'E

PUMP STATION 9, SA **OEPJ** PVT N24°16.56' E42°08.62' 3000 UTC+3

H-14F, L-20G

RWY-17 L1,6,9,42,43

(8008x98 ASP T43)

L6 **RWY-35**

SERVICE - LGT - ACTIVATE-122.3 **FUEL** - PN (NC-A1)

REMARKS - Opr Saudi ARAMCO O/R C03-877-4066, fax 03-872-5034.

COMMUNICATIONS - CTAF - 122.8 **DISPATCH** - Opr SR-SS 138.25

NAVAIDS - PUMP STATION 9 NDB - MHW 607.000 PS9 N24°15.00' E42°08.00' 020°
1.7 NM to Flt. 3000/2°47.8'E

PUMP STATION 10, SA **OEPJ** PVT N24°06.44' E41°02.16' 2840 UTC+3

H-14F, L-20F

RWY-18 L6,8,9,A,43

(6398x115 ASP)

L6,8,9,A,43 **RWY-36**

SERVICE - FUEL - PN (NC-A1)

COMMUNICATIONS - CTAF - 122.8 **DISPATCH** - Opr SR-SS 138.25

NAVAIDS - PUMP STATION 10 NDB - MHW 382.000 PS0 N24°06.00' E41°02.20' At Flt.
2840/2°51.5'E

PYHASALMI, FI **EFPY** PVT N63°43.92' E25°55.58' 528 UTC+2(+3DT) **L-1D**

RWY-15 LA,55

(3281x66 ASP)

L55 **RWY-33**

2986→

REMARKS - Opr HX. **CAUTION** - Gldr act with acft tows and winch launches to 2700' AGL.

COMMUNICATIONS - RDO - 121.6

PYRZOWICE, PL **EPKT** CIV N50°28.46' E19°04.80' 995 UTC+1(+2DT) **H-4E-8G, L-22F**

RWY-09 L3,4,5,38,50

(9183x195 CON PCN 50 R/A/W/T)

L2,3,4,5,33 **RWY-27**

SERVICE - AOE FUEL - (NC-100LL, A1)

REMARKS - MISC - 6562x328 grass emerg only ldg strip lctd N side of rwy.

COMMUNICATIONS - APP - 121.075 **TWR** - 129.25 **HANDLING** - 131.45

NAVAIDS - KATOWICE NDB - HHW 285.000 PT N50°28.44' E19°09.02' 267° 2.7 NM to Flt.
Unk/3°38.8'E

ILS/RADAR - ➔ **ILS** - BRG 266° LCZR KAT 109.9 GS 3.2°

QAISUMAH, (HAFR AL BATIN) SA **OEPA** CIV N28°20.11' E46°07.50' 1174 UTC+3

H-13C-14F, L-16H-18E

(B) **RWY-16** L5,34,50

(9843x148 ASP PCN 59 F/A/W/T)

L5,12,50 **RWY-34**

SERVICE - FUEL - (NC-A1, J4)

REMARKS - RSTD - PPR. PN 3 hr for non-sked. Fone C03-724-1354, fax C03-724-1880.

COMMUNICATIONS - CTAF - 122.8 **CRASH SVC** - 15 min prior ETA 133.5

NAVAIDS - HAFR AL-BATIN VORTACW - HA 113.100 HFR CH 78 N28°19.83' E46°07.77'

At Flt. 1185/(A)2°00.0'E

HFR VORTACW unuse

240°-269° byd 30 NM blw 5000', byd 25 NM blw FL100

270°-340° byd 25 NM blw FL130

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QATRANEH, JO **VORW-DME** - HA 112.900 QTR CH 76 N31°14.91' E36°03.57'
2627/3°38.6'E **NDB** - HW 302.000 JYT N31°14.99' E36°02.83' Unk/3°38.6'E
H-13A-16G, L-16F

QAYYARAH WEST, IZ **ORQW** A N35°46.03' E43°07.51' 749 UTC+3(+4DT)
H-13B, L-15D

RWY-15 (11486x197 CON PCN 36 R/B/W/T)
RWY-16 (CLSD 12088x98 PEM)

RWY-33
RWY-34

SERVICE - LGT - Solar lgt only Rwy 15/33. **FUEL** - No fuel for F/W acft. **FLUID** - De-icing not avbl. **TRAN ALERT** - No fleet svc, no stair truck. Ltd maint capabilities.

REMARKS - RSTD - PPR for all Civ and R/W acft. PPR valid +/- 1 hr ETA. Ctc afld mgr element at VOIP 302-243-5158 or email req to am.ops@iraq.centcom.mil. All F/W acft ctc Kingfish Victor 30 min prior to arr. All twy E of Rwy 15/33 clsd, no clsd mrk on txy or clsd rwy. C17 rstd to 560000 lb. All F/W acft will back taxi to twy D, F, or G when ldg Rwy 33 for prk at F/W apn. Acft exp rgt 180° turn to prk on middle of S ramp with nose facing N. Ltd twy and rwy signage; dist remaining mrk avbl; all afld signage are unlgtd. Ltd afld mrk; use caution when taxiing to rwy due to no VFR hold lines avbl. Only lgtd twys are C, D, F, and G. R/W avoid ovft of TACAN site, lctd at N35°46.03' E43°07.51'. R/W proh fr shutting down on twr road near the PAX trml. All R/W req to shut down will relctd to ICY prk. **CAUTION** - Significant FOD haz exists on rwy and twys. Acft are rqd to use inbound eng only on all twy to ctl FOD. Due to presence of birds on and around the arpt, all pilots should exer caution dur taxiing, ldg, and tkof. No BASH mechanism avlb. Dur wet rwy sfc cond; potential exists for hydroplaning due to conc sfc cond and ponding up to 72 hr post rain event. Aircrews are advs to avoid tkof, ldg up to 15 min post rain event. Infields and dep/apch end of Rwy 15/33 littered with debris and obst. 60 x 60 ft crater lctd at: N35°46.90' E43°06.98'. 380 ft x 230 ft berm obst complex cntr on: N35°46.85' E43°06.93' or 350 ft E of Rwy 15 thld (berm complex is 4-6 ft AGL). Unlgtd 130ft AGL obst lctd at: N35°45.70' E43°06.84'. Unlgtd 80 ft AGL obst lctd at: N35°45.88' E43°06.78'. Ctc twr for R/W separation and range act. **MISC** - Afld mgr email: am.ops@iraq.centcom.mil, DNV: 302-243-5158. All aircrews must review unclassified NOTAMS at <https://www.notams.js.mil>. No FLIP, COMSEC stor, or flt planning capabilities. **RWY** - Ltd twy and rwy signage; dist remaining mrk avbl; all afld signage are unlit. Ltd afld markings; use caution when taxiing to rwy due to no VFR holdlines avbl. Only lgtd twys are F and C.

COMMUNICATIONS - CTAF - 122.0 255.15 **TWR** - 122.2 236.725
COMD POST - (Call KINGFISH VICTOR) 122.0 147.2 236.725 255.15 312.1
METRO - 33.6 126.1 227.4

NAVAIDS - QAYYARAH WEST TACAN - HA QYW CH 72 N35°46.03' E43°07.51' At Fld.
749/4°19.1'E MP 0500-0700Z++Wed.

QUEEN ALIA INTL, JO **OJAI** CIV N31°43.35' E35°59.59' 2395 UTC+2(+3DT)
H-13A-16G, L-16F

(B) **RWY-08L** L4,5,33,50 (12008x200 ASP PCN 70 F/C/W/U) L4,5,33,50 **RWY-26R**
RWY-08R L4,5,50 (12008x200 CON PCN 71 R/C/W/U) L3,4,5,29,50 **RWY-26L**

SERVICE - AOE FUEL - A1(Caltex - Jordan Petrol, JOPETROL, fone C962-6-445-2267/8.)

REMARKS - MISC - ATIS for all rwy fone C 06/44551489,90,91,92.

COMMUNICATIONS - ATIS - 127.6 **AMMAN APP - (V)** 128.9 **TWR - (V)** 119.8
GND - Opr 0501-1859Z++. 121.9

NAVAIDS - QUEEN ALIA VORW-DME - HA 115.200 QAA CH 99 N31°44.45' E36°09.48'
260° 8.5 NM to Fld. 2730/3°41.8'E **QUEEN ALIA NDB** - HHW 410.000 QA N31°43.83'
E36°05.67' 262° 5.2 NM to Fld. Unk/3°41.7'E **QUEEN ALIA NDB** - HW 399.000 MDB
N31°42.56' E35°51.01' 080° 7.4 NM to Fld. Unk/3°41.2'E

ILS/RADAR - ILS - BRG 257° LCZR IQA 110.9 GS 3°.

QUERFURT, GM See ALLSTEDT

QUIMPER, FR **VORW-DME** - HA 117.800 QPR CH 125 (150/50) N47°57.44' W4°11.08'
038° 1.3 NM to PLUGUFFAN. 285/(A)5°0.0'W **NDB** - MHW 380.000 RQ N47°58.10'
W3°59.91' 273° 6.8 NM to PLUGUFFAN. 386/3°10.0'W **H-3B, L-7A**

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QUNFIDAH, SA **VORW-DME** - HA 113.300 QUN CH 80 N19°22.18' E41°04.48'
120/(A)1°00.0'E **H-14F, L-20G**

RAAHE PATTIJOKI, FI **EFRH** PVT N64°41.28' E24°41.75' 118 UTC+2(+3DT) **L-1D**
RWY-10 (3281x75 ASP) **RWY-28**

REMARKS - Opr HX. **CAUTION** - Gldr act with aero tows and winch launches to 2700' AGL.

COMMUNICATIONS - **RDO** - 123.5

RABAH BITAT, AG See ANNABA

RABAT, MO **VORW-DME** - HA 116.500 RBT CH 112 N34°03.00' W6°44.78' At SALE.
325/(A)6°00.0'W **NDB** - HHW 332.000 SBI N34°10.58' W6°39.86' 214° 8.6 NM to SALE.
Unk/2°58.8'W **H-9A-16H, L-13C**

RABIGH, SA **OERB** CIV N22°42.16' E39°04.19' 22 UTC+3 **H-14F, L-20F**
RWY-15 L7,34,43 (7741x105 ASP PCN 36 F/A/X/T) L7,34,43 **RWY-33**

REMARKS - Opr HO. **RSTD** - PPR. **CAUTION** - Avoid OER13 adj W of A/D sfc to 3000'. Civ lgt acft trng OED03 daylt hr. Non-participating acft should avoid OED03 exc arr or dep Rabigh.

COMMUNICATIONS - **CTAF** - 122.8

NAVAIDS - **RABIGH VORW-DME** - HA 116.800 RBG CH 115 N22°47.52' E39°05.83' 194° 5.6 NM to Fld. 58/(A)2°00.0'E

RADA, SW **ESFR** MIL N58°29.89' E13°03.19' 230 UTC+1(+2DT) **H-2G, L-2F**
RWY-18 L5,A,50 (6517x110 ASP) L5,50 **RWY-36**

SERVICE - **LGT** - PAPI Rwy 18, 36 GS 2.86°.

REMARKS - Opr by mil NOTAM. **RSTD** - Opr req thru Satenas, fone C+46 (0)510 870 00.

COMMUNICATIONS - **CON** - Provides twr svc. **(V)** 136.025 133.5 **MIL INFO** - Req thru Satenas. 133.5

RAFHA, SA **OERF** CIV N29°37.59' E43°29.44' 1474 UTC+3 **H-13B, L-16H**
RWY-11 L5,50 (9834x147 ASP PCN 59 F/A/W/T) L5,34,50 **RWY-29**

SERVICE - **FUEL** - (NC-A1)

REMARKS - **RSTD** - PPR. 3 hr PN for non-sked. Fone C04-676-0222, fax C04-676-0214.

COMMUNICATIONS - **CTAF** - 122.8 **RDO** - Opr HS 131.5 **CRASH SVC** - 15 min prior ETA 133.5

NAVAIDS - **RAFHA VORW-DME** - HA 116.800 RAF CH 115 N29°37.21' E43°29.88' At Fld. 1460/(A)2°00.0'E

RAFIC HARIRI INTL, (BEIRUT INTL) LE **OLBA** MIL/CIV N33°49.26' E35°29.30' 87
UTC+2(+3DT) **H-13A-16G, L-16F**

(B) **RWY-03** L4,5,11,50 (12467x148 CON PCN 60 R/B/W/T) L4,5,13,50 **RWY-21**
10581→ ←9202
RWY-16 L4,5,13,50 (11138x148 CON PCN 60 R/B/W/T) L4,5 **RWY-34**
10548→
RWY-17 L5,50 (10663x197 ASP PCN 60 R/B/W/T) L5 **RWY-35**
←7875

SERVICE - AOE **FUEL** - (NC-100LL, A1)100LL req 24 hr PN fr Aeroclub of Lebanon.
FLUID - OX

REMARKS - **RSTD** - Req start-up clnc fr GND 5 min prior to eng start. Rwy 34 will not be used for ldg. **CAUTION** - Acft ldg Rwy 16, 17 and 21 use rgt tfc pat due hi terrain E side of fld. TD Rwy 16 591' fr thld. Due hi terrain and obst on apch path, Rwy 35 will not be asgn at ngt exc when req by pilot and ceiling/vis is gtr than 1500' and 5 miles. Rwy 21 displ thld 1,088' due to obst on apch path. Rwy 35 displ thld 2789'.

COMMUNICATIONS - **ATIS** - 112.6 **APP** - 120.3 **TWR** - **(V)** 118.9 **GND** - 121.9

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NAVAIDS - KHALDEH VORW-DME - HA 112.600 KAD CH 73 N33°48.34' E35°29.08' At Fld. 87/(A)3°00.0'E **BEIRUT NDB** - HW 312.000 BAB N33°50.94' E35°28.98' 171° 1.7 NM to Fld. 72/3°54.0'E **BEIRUT NDB** - HW 351.000 BOD N33°54.14' E35°28.88' 172° 4.9 NM to Fld. 32/3°55.0'E

ILS/RADAR - ➔ILS-DME - BRG 175° LCZR BIL 109.5 CH 32 GS 3°

RAFSANJAN, IR **OIKR** CIV N30°17.86' E56°03.07' 5298 UTC+3:30 **H-13D, L-18G**
RWY-11L5,9 (9814x148 ASP PCN 35 F/A/X/T) **L5,9RWY-29**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0330-1130Z Sat-Thu, OT PPR. **CAUTION** - Animal haz.

COMMUNICATIONS - INFO - 118.7 121.7

NAVAIDS - RAFSANJAN NDB-DME - HHW 260.000 RAF CH 70 N30°18.16' E56°03.33' At Fld. 5298/2°24.7'E

RAGHBA, SA **VORW-DME** - HA 115.500 RGB CH 102 N23°55.61' E44°35.79' 3370/(A)2°00.0'E **H-14F, L-20G**

RAISI, IT **TVORW-DME** - T 113.000 PRS CH 77 (040/25) N38°10.33' E13°04.80' At PALERMO. 19/1°45.2'E MP 0700-0800Z++ 1st Tue. **NDB** - MHW 329.000 PRS N38°11.36' E13°06.55' 227° 1.2 NM to PALERMO. Unk/1°45.6'E
PRS VOR/DME MRA
060°-080° 4000' within 10 NM
080°-140° 11,000' within 10 NM
140°-190° 6000' within 10 NM
190°-060° 2000' within 10 NM
080°-130° byd 10 NM unuse
130°-180° byd 10 NM 18,000'
180°-230° byd 10 NM 10,000'
230°-350° byd 10 NM 5000'
350°-080° byd 10 NM 4000'
R-080 within 30 NM 4000'
R-080 byd 30 NM within 50 NM 9000'
R-080 byd 50 NM within 65 NM 13,000'
R-080 byd 65 NM within 80 NM 15,000'
070°-230° unuse

PRS NDB MRA
L-12E-14F

RAKOVNIK, EZ **NDB** - HHW 386.000 RAK N50°05.82' E13°41.44' Unk/2°13.0'E **H-6I, L-6I, T-1A**

RAMBOUILLET, FR **VORW-DME** - HA 114.700 RBT CH 94 (060/50) N48°39.24' E1°59.65' 577/(A)2°0.0'W (110/50 in sctr 135°-225°) **H-6F, L-7C**

RAMBU, NO **NDB** - HW 352.000 RBU N62°30.36' E11°33.41' 2025/1°35.0'E **H-2G, L-1C**

RAMME, DA **VORW-DME** - HA 111.850 RAM CH 55(Y) (060/50) N56°28.70' E8°11.24' 60/(A)0°00.0'E (150/50 223° -043°) **H-2G-5C, L-2E**

RAMSAR, IR **OINR** CIV N36°54.59' E50°40.78' -70 UTC+3:30 **H-13C, L-17B**
(B) **RWY-13L5** (4920x148 ASP) **L5,12RWY-31**

REMARKS - Opr by NOTAM. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - TWR - 122.9 121.9

NAVAIDS - RAMSAR NDB-DME - HHW 332.000 RSR CH 102 N36°54.21' E50°40.83' At Fld. -21/4°23.0'E

B-356 AIRPORT/FACILITY DIRECTORY

RAMSTEIN AB, GM **ETAR** AF N49°26.21' E7°36.02' 776 UTC+1(+2DT)

VFR, H-6H, L-6G, AACDTD

(B) **RWY-08** L2,4,5,8,9,11,50 (10498x148 ASP PCN 72 R/B/W/T)

L2,3,4,5,8,9,10,50 **RWY-26**

HOOK BAK-12B(B) (1815') BAK-14 UNK(B) (1815')

HOOK BAK-12B(B) (1833') BAK-14 UNK(B) (1833')

RWY-09

(CLSD 9278x148 ASP)

RWY-27

SERVICE - AOE JASU - 1(MD-3) 1(MA-1A) 1(MA-2) 1(M32A-60A) FUEL - J8 FLUID - SOAP
SP PRESAIR De-Ice LHOX LOX **OIL - O-133 TRAN ALERT - Full svc 0500-2100Z++**
Mon-Fri; ltd svc 0500-2100Z++ Sat, Sun and GE hol. Min ftr svc avbl. Lcl sorties not
authorized. Tran aircrews are not authorized to drive on Ramstein AB flightline until a TDY
briefing is rcv and a pass issued from AIRFIELD MANAGEMENT. For flightline
transportation req, ctc Veh OPS at DSN 480-5961, C+49-6371-5961.

REMARKS - RSTD - OFFL BUS ONLY. PPR exc Ramstein AB acft or acft on TACC ctl msn. All
PPR req are to be submitted to AIRFIELD MANAGEMENT via fone DSN 480-2367/2446,
C49-6371-47-2367/2446, via fax DSN 480-5084, C49-6371-47-5084 or via Email:
airfield.management@ramstein.af.mil. Send PPR req no earlier than 15 days prior and not
later than 24 hr prior to arr. Requestor must provide lcl POC for confirmation of Offl Bus
Only. Exp taxi delay due to const work. Due to ltd prk, all PPRs are slotted, any acft arr 30
min prior or 30 min aft apv arr time must re-coord PPR or acft could be diverted. Tran acft
must min gnd time as slotted, due to ltd prk. Requestor is responsible for checking PPR
status with AIRFIELD MANAGEMENT as applicable 24 hr prior to arr. All aircrews on TACC
ctl msn must rpt to 723 AMSS/AMCC for briefing upon arr. All acft carrying haz cargo in or
out of Ramstein must coord with 723 AMSS/TRO not later than 72 hr prior to ETA DSN
479-4418/4419/4420. All acft with VIP code 6 and abv must ctc 86 AW COMD POST on
372.675 (or via fone patch DSN 480-2121) not later than 1 hr prior to arr and forward
block-time, any deviations outside of these parameters must be coord with 86 AW COMD
POST. No practice apch on Sat, Sun and GM hol. Aflid is apv for practice apch for 3rd/16th
AF acft only. Acft taxiing into/out of ramp 1/2/3/4/5/7/8 must use min pwr. Tran acft
equipped with drag chutes retain chutes til prk. Aflid and apch lgt intmt out dur NVG trng
SS+30 thru 2100Z++ Mon-Fri. Tran acft not auth VFR pat. Note: USAFE ftr acft may recover
via overhead pat. **CAUTION - Taxi dur low vis:** No acft, base asgn or tran, will be allowed
to taxi when the lowest RVR is less than 370 M. Large acft must use min pwr settings dur
taxi ops, inboard eng only. To prevent FOD while taxiing, unless ops rqr, use inboard eng
only and do not use reverse thrust or abv idle. Unctl veh ops on ramps and twys. All tran
acft rqr gnd marshaller prior to eng start. Multiple airfield construction, men and eqpt near
active rwy/twy with min wing-tip clnc in some areas. Aircrews are reminded to review
NOTAMS for current info. Clsd area is mrk and lit appropriately. Acft will back taxi on rwy.
Possible hydroplaning/sliding when wet or when snow/ice prrsent. Numerous unctl,
non-transponder equipped general avn and glldr tfc in vcnty of Ramstein class E airspace.
Pilots should excr increased vigilance in vcnty of IAF's FRANK and MAPIG. Wind info from
ATC may differ from wind info in the METAR obsn provided by Weather. **NS ABTMT -**
Mand quiet hr 2100-0500Z++ Sun-Sat, 2100Z++ Sat-1200Z++ Sun and GM hol; see AP/2
for current listing of Rheinland-Pfalz hol. Eng start not auth prior to 0500Z++ wo quiet hr
waiver. Sun-GM hol eng start approved 30 min prior to end of quiet hr but cannot dep til
1200Z++. Quiet hr waiver granted thru Wg COMD POST DSN 480-2121/2122 for msn
essential tfc only. **MISC - Fst 1818' Rwy 08 and fst 1836' Rwy 26** is conc, middle 6844' is
porous friction asphalt; 180° turns perms only on conc rwy ends exc C160 acft and smaller.
Wx obsn avbl H24. Vis determined at 51' AGL. Vis determination fr offl obsn pt is obscured
fr S thru SW. See AP/2, Chap 3, Germany FLIGHT PLANNING for addn info. Aircrews are
encouraged to file outbd FPL the day prior to ETD, deviations to ETD and rte of flt may
result in flow ctl dlys. No COMSEC avbl with AIRFIELD MANAGEMENT. Do not ctc twr on
133.2, 386.75 outside of 25NM and abv 4000'.

COMMUNICATIONS - SFA Ctc GCA **DISPATCH - 369.125 ATIS - Opr 0400-2100Z++**
Mon-Sat; 1100-2100Z++ Sun exc hol. 124.275 284.325 **REMARKS:** MP 0200-0500Z++
Mon-Sun. **TWR - (E) 133.2 122.1X 386.75 257.8X GND - 121.775 308.775**
LANGEN RADAR - (R) (E) 129.675 256.675 371.675 GCA - Opr 0500-2100Z++ 140.9
356.225 WING COMD POST - 372.675 PMSV METRO - 284.425
AMC AIRLIFT AMCC - 131.975 241.725

AIRPORT/FACILITY DIRECTORY B-357

NAVAIDS - RAMSTEIN TACAN - HA RMS CH 81 (080/50) N49°26.08' E7°35.14' At Fld.

762/(A)0°00.0'E MP 0000-0400Z++ Mon, Wed, Thu.

RMS TACAN unuse

008°-099° byd 15 NM blw 5000'

008°-099° byd 25 NM blw 8000'

008°-099° byd 38 NM ALL ALTITUDES

100°-108° byd 5 NM blw 8000'

100°-108° byd 38 NM ALL ALTITUDES

109°-179° byd 5 NM ALL ALTITUDES

180°-217° byd 10 NM ALL ALTITUDES

218°-235° byd 15 NM ALL ALTITUDES

236°-254° byd 15 NM blw 5000'

236°-254° byd 22 NM ALL ALTITUDES

255°-269° byd 28 NM ALL ALTITUDES

270°-285° byd 28 NM blw 8000'

286°-321° byd 7 NM blw 5000'

286°-321° byd 25 NM blw 8000'

286°-321° byd 38 NM ALL ALTITUDES

322°-007° byd 7 NM blw 5000'

322°-007° byd 25 NM blw 7000'

ILS/RADAR - ILS- LOC MP 0100-0500Z++ Mon, Tue, Wed, Fri. Rwy 08 lczr unuse byd 20° N of cntrln. **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA. No NOTAM MP: ASR

0200-0500Z++ Mon-Sun. **MLS** - Unuse 246°-286° byd 15NM, 246°-286° blw 1.7°, 286°-246° all dist, all alt.

RANTA, FI **NDB** - MHW 392.000 RAN N61°01.11' E28°00.94' 067° 4.1 NM to LAPPEENRANTA. Unk/8°33.2'E **L-1D**

RANTASALMI, FI **EFRN** PVT N62°03.93' E28°21.39' 292 UTC+2(+3DT) **L-1D**
RWY-18 (3101x60 ASP) **RWY-36**

REMARKS - Opr HX

COMMUNICATIONS - **RDO** - 123.2

RAS AL KHAIMAH INTL, AE **OMRK** CIV N25°36.81' E55°56.33' 102 UTC+4
H-13D-14G, L-18G

(B) **RWY-16** L5,12,50

(12336x148 ASP PCN 70 F/B/W/U)

L2,5,11,50 **RWY-34**

SERVICE - FUEL - Tran fuel avbl 0300-0700Z, OT 1 hr PN. Shell Aviation Fuels (NC-A1)

COMMUNICATIONS - TWR - 118.25 **GND** - 121.6

NAVAIDS - RAS AL KHAIMAH VORW-DME - HA 113.600 RAV CH 83 N25°35.30'

E55°56.78' 344° 1.6 NM to Fld. 149/(A)1°0.0'E VOR MP 0400-0900Z 1st Mon. DME MP 0400-0900Z 4th Mon.

RAV VOR-DME btn 20 DME and 020°-080° blw 7000'

40 DME unuse

RAV VOR-DME byd 40 DME 050°-090° blw 7000'

unuse 090°-150° blw 12000'

ILS/RADAR - ILS - BRG 343° LCZR IRK 110.5 GS 3°. LCZR MP 0400-0900Z 2nd Mon. GS MP 0400-0900Z 3rd Mon. **RADAR** - Call RADAR - 124.0. Opr 0400-1100Z Sat-Wed, OT O/R.

RASHT, IR **OIGG** MIL N37°19.52' E49°36.35' -40 UTC+3:30 **H-13C, L-17A**
RWY-09 L5 (9571x148 ASP PCN 40 F/C/X/T) **L5,11,50 RWY-27**

8881→

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0230-1800Z. OT O/R. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - **INFO** - 126.2 **TWR** - (V) 122.7 121.9

B-358 AIRPORT/FACILITY DIRECTORY

NAVAIDS - RASHT VORW-DME - HA 112.600 RST CH 73 N37°19.58' E49°36.95' At Fld.
-28/(A)4°0.0'E RASHT NDB - HHW 393.000 RST N37°19.25' E49°36.98' At Fld.
-40/4°34.0'E
RST VOR unuse byd 30 NM

- 100°-120° blw 9000'
- 120°-130° blw 10,000'
- 130°-150° blw 11,000'
- 150°-170° blw 10,000'
- 170°-220° blw 11,000'
- 220°-260° blw 10,500'
- 260°-270° blw 9000'
- 270°-280° blw 7000'
- 280°-100° blw 3000'

ILS/RADAR - ➔ ILS-DME - BRG 269° LCZR IRST 109.9 CH 36 GS 3°.

RAS LANUF V40, LY NDB - MHW 385.000 VR N30°30.00' E18°32.00' Unk/2°05.0'E
H-10F, L-14G

RAS MISHAB, SA OERM MIL N28°04.78' E48°36.66' 13 UTC+3 H-13C, L-18E
RWY-16 L34,43 (11058x98 ASP 737) L34,43,55 RWY-34
10528➔

REMARKS - Opr HX.
COMMUNICATIONS - CTAF - 122.8
NAVAIDS - RAS MISHAB VORTACW - T 116.400 RAS CH 111 N28°04.68' E48°36.88'
At Fld. 13/2°41.8'E
ILS/RADAR - ➔ ILS DME - BRG 341° LCZR I-RAS 111.1 CH 48 GS 3°

RAS TANAJIB, SA OETN PVT N27°52.07' E48°46.15' 30 UTC+3 H-13C, L-18E
RWY-15 L6,9,42,43,56 (8005x98 ASP T43) L6,9,23,43,56 RWY-33

SERVICE - FUEL - (NC-A1)
COMMUNICATIONS - CTAF - 122.4 AG - Call Dispatch. Opr SR-SS. 138.2
NAVAIDS - RAS TANAJIB NDB - MHW 382.000 TJ N27°52.00' E48°46.00' At Fld.
Unk/2°39.0'E
ILS/RADAR - ➔ILS-BRG 332° LCZR ITJB 108.5 GS 3°

RAS TANURA, SA OERT PVT N26°43.39' E50°01.85' 6 UTC+3 H-14G, L-18F
RWY-15 L6,9,50 (7063x98 ASP T43) L6,9,23,50 RWY-33

SERVICE - FUEL - (NC-A1)
COMMUNICATIONS - CTAF - 122.4 AG - SR-SS 138.2 REMARKS: Call DISPATCH
NAVAIDS - RAS TANURA NDB - HHW 286.000 RT N26°43.00' E50°00.00' 077° 1.7 NM
to Fld. 6/2°20.4'E
ILS/RADAR - ➔ILS- BRG 330° LCZR ITNR 108.3 GS 3°

RATTENBERG, AU NDB - MHW 303.000 RTT N47°25.86' E11°56.40' 3707/1°43.7'E
MP 0930-1100Z++ 3rd Tue. H-6I, L-9C

RAUFARHOFN, IC NDB - MHW 410.000 RA N66°27.02' W15°57.27' Unk/14°44.4'W
H-1B, L-1B

RAVENNA, (RAVENNA AERO CLUB) IT LIDR PVT N44°21.85' E12°13.49' 0
UTC+1(+2DT) L-12E
RWY-08 (3937x98 ASP SWL28) RWY-26
RWY-09 (CLSD 2625x164 GRE) RWY-27
SERVICE - FUEL - (NC-100LL)
REMARKS - Opr SR-SS -/+ 30 min. Non-based acft req 48 hr PN, Ctc fax
C+39-0544-497804. RSTD - Open to base acft only every Mon due to PJA.
COMMUNICATIONS - RDO - 123.5

AIRPORT/FACILITY DIRECTORY B-359

RAVENNA AERO CLUB, IT See RAVENNA

RAYAK, LE **OLRA** MIL N33°51.05' E35°59.26' 3018 UTC+2(+3DT) **H-13A-16G, L-16F**
RWY-04 L7,43 (9740x148 CON) L7,43 **RWY-22**

REMARKS - Opr SR-SS.

COMMUNICATIONS - **TWR** - 119.7 120.7

RAYSKALA, FI **EFRY** PVT N60°44.68' E24°06.47' 407 UTC+2(+3DT) **L-1D**
RWY-08L (2854x33 ASP) **RWY-26R**
RWY-08R (3346x59 COP) **RWY-26L**
2822→ ←2526
RWY-12L (4167x59 COP) **RWY-30R**
3412→ ←2953
RWY-12R (1575x33 ASP) **RWY-30L**

REMARKS - Opr HX. **CAUTION** - PJE and glldr act with acft tows and winch launches to 2700' AGL.

COMMUNICATIONS - **ATIS** - 122.625

REBIECHOWO, PL See LECHA WALESY

RECHLIN LARZ, (MURITZ) GM **EDAX** CIV N53°18.39' E12°45.19' 220 UTC+1(+2DT)
H-5D, L-5D
(B) **RWY-08** L6,9 (7808x164 CON PCN 37 R/A/W/T) L6,9 **RWY-26**
6824→ ←6824

SERVICE - **FUEL** - (NC-100LL)

REMARKS - Opr 0800-SS/1700Z; 0900-SS/1700Z Sat, Sun, hol. OT PPR. (0700-SS/1700Z Mon-Fri; 0800-SS/1700Z Sat, Sun, hol. OT PPR DT). **RSTD** - Avoid ovft Larz. **CAUTION** - PJE; glldr act using winch launchers. **MISC** - Ldg fees.

COMMUNICATIONS - **LARZ INFO** - 129.975 **BERLIN INFO** - (E) 132.65 251.375

REDZIKOWO, PL **EPSK** MIL N54°28.73' E17°06.45' 217 UTC+1(+2DT)
H-8F, L-2G-21A
RWY-09 L6,A (7218x197 CON PCN 58 R/B/W/T) L6,A **RWY-27**
6568→

SERVICE - **FUEL** - (NC-100LL, A1)

COMMUNICATIONS - **SLUPSK INFO** - 124.5

REGGAN, AG **NDB** - HW 310.000 RGN N26°41.03' E0°16.95' Unk/1°14.3'W
H-11C, L-19C

REGGIO CALABRIA, (TITO MINNITI) IT **LICR** CIV N38°04.27' E15°39.09' 96
UTC+1(+2DT) **H-15C, L-12F-14F**
(B) **RWY-11** L5 (5574x148 ASP PCN 81 F/B/W/T) L5 **RWY-29**
RWY-15 L5,50 (6549x148 ASP PCN 44 F/B/W/T) L25,33,50 **RWY-33**
5709→ ←6385

SERVICE - **LGT** - PAPI Rwy 15 GS 3.25° MEHT 52', Rwy 33 GS 3.5° MEHT 59'. PAPI Rwy 33 usable only with ALS lead-in yellow omnidirec lgt beginning at Abn. **FUEL** - Avbl 0500-2000Z++, OT PN C0965-643430 dur reg hr. (NC-100LL, A1)

REMARKS - Opr 0500-2300Z++. OT 2 hr PN for state, mil, rescue and medical flt. **RSTD** - Special pilot qualifications rqr. Ldg Rwy 15 not allowed with any tail wind component. Rwy 11 clsd. Rwy 29 ldg proh. Ngt VFR proh. **CAUTION** - Windshear/turb possible due to orographic environment. Very hi ints lamps opr 1630-0500Z on 774' AMSL pylon 11.7 NM N of arpt. 72' AGL crane .5 mi N thld Rwy 33. **CSTMS/IMG** - Avbl 0430-2300Z++. **MISC** - Dur parachute act all acft in prk areas must contact twr before eng start. **RWY** - First 2542' Rwy 15 PCN 25 F/B/W/T, first 3642' Rwy 29 PCN 46 F/B/W/T.

COMMUNICATIONS - **APP** - (E) 120.275 257.8 362.3 **TWR** - (E) 118.25 257.8

B-360 AIRPORT/FACILITY DIRECTORY

NAVAIDS - REGGIO CALABRIA TVORW-DME - L 111.000 RCA CH 47 (025/25) N38°04.55' E15°38.73' At Fld. 55/(A)1°00.0'E MP 0700-1000Z++ 1st Thu.

REGGIO CALABRIA NDB/LOM - MHW 325.000 RCA N38°00.78' E15°39.02' 359° 3.5 NM to Fld. Unk/2°09.6'E MP 1200-1500Z++ 1st Fri.

RCA VOR-DME MRA R-014 byd 30 NM 8000'

RCA VOR-DME MRA 25 NM R-040 35 NM 13,000'

070°-170° 15,000'

170°-230° 5000'

230°-070° 9000'

RCA NDB MRA 50 NM 020°-070° - unuse

070°-160° 12,000'

160°-230° 5000'

230°-290° - unuse

290°-020° 12,000'

ILS/RADAR - LOC-DME Opr 0500-2300Z++, OT PPR.

REGGIO EMILIA, (REGGIO EMILIA AERO CLUB) IT **LIDE** CIV N44°41.90' E10°39.77' 153 UTC+1(+2DT) **L-9C**

RWY-12 (4593x98 ASP SWL15)

RWY-30

4111→

←4275

SERVICE - FUEL - (NC-A1, 100LL)

REMARKS - Opr 0800-SS+30 (0700-1630Z Mon-Fri, 0600-1800Z Sat, Sun, hol DT). OT 24 hr PPR. **RSTD** - VFR tfc only. **CAUTION** - Gldr and prcht act to 4500'. Model acft act on A/D dur opr hr to 164'.

COMMUNICATIONS - INFO - 127.15

REGGIO EMILIA AERO CLUB, IT See REGGIO EMILIA

REIMS ACC/FIC, FR **LFEE** (CIV) **(R) (V) CON- E Sctr-** 128.3, 121.075, 134.575, **SE Sctr-** 124.95, 121.075, 134.575 **FIS-** (Avbl 0730Z++ - SS+30 but not later than 1930Z++ 1 May - 30 Sep, 0800Z++ - SS+30 but not later than 1800Z++ 1 Oct - 30 Apr) **REIMS INFO - EAST Sctr-** 124.1 **L-6F, G-7D-8H-9A, B**

REIMS UACC, FR **LFEE** (CIV) **CON- HN Sctr-** 132.505 135.1 371.3, **HR Sctr-** 132.63 135.1 344.95, **KF Sctr-** 132.28 135.1 336.65, **KN Sctr-** 127.855 135.1 371.3, **KR Sctr-** 133.255 135.1 344.95, **UE Sctr-** 127.55 135.1 357.05, **UF Sctr-** 136.325 135.1 336.65, **UH Sctr-** 134.4 386.9, **UN Sctr-** 133.005 135.1 309.05, **UN Sctr-** 133.005 135.1 309.05, **UR Sctr-** 135.505 135.1 387.4, **XE Sctr-** 132.39 135.1 357.05, **XH Sctr-** 133.83 135.1 386.9, **XN Sctr-** 133.005 135.1 309.05, **XR Sctr-** 132.785 135.1 387.4 **H-6F, G, H-7B, C**

REIMS, FR **VORTACW** - HA 112.300 REM CH 70 (060/50) N49°18.70' E4°02.72' At CHAMPAGNE. 335/(A)2°0.0'W CH 70 not co-lctd N49°18.6' E04°02.5'. **H-6G, L-6F-7D**

REINA SOFIA, SP See TENERIFE SUR

REKKEN, NL **VORW-DME** - HA 116.800 RKN CH 115 (080/50) N52°07.99' E6°45.83' 137/(A)0°00.0'E **H-5C-6H, L-5B**

REKSTEN, NO **NDB** - HW 379.000 REK N61°33.77' E4°50.96' 10/1°38.1'W **H-2F, L-1B**

RENAISON, FR **LFLO** CIV N46°03.50' E4°00.08' 1106 UTC+1(+2DT) **L-8G**
RWY-02 L1,7 (4790x98 ASP S42) L1,7,50 **RWY-20**
3805→

SERVICE - LGT - Activate on freq 120.9 (Roanne Info-French only). PAPI Rwy 20 GS 3.4° MEHT 33' and diverges fr rwy cntrline by 5°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0800-1100Z++, 1300-1700Z++ Mon-Fri exc hol. OT with 24 hr PN. **CSTMS/IMG** - CSTMS avbl.

COMMUNICATIONS - SAINT YAN APP - 119.5 123.4 **INFO** - 120.9

AIRPORT/FACILITY DIRECTORY B-361

NAVAIDS - ROANNE TVORW - T 109.200 ROA (025/10) N46°03.55' E3°59.96' At Fld.
1106/0°20.3'W

REDSBURG SCHACHTHOLM, GM **EDXR** CIV N54°13.26' E9°36.05' 23
UTC+1(+2DT) **L-2E**

(B) **RWY-03 L5** (3150x98 ASP AUW26) **L5 RWY-21**
RWY-12 (1969x98 GRS AUW12) **RWY-30**
1674→

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0830Z-SS, (0730Z-SS/1900Z DT), OT PPR prev day. **RSTD** - Rwy 12-30 PPR
thru Rendsburg INFO. Ovft of Nort-Ostsee Canal blw 330' proh. **MISC** - Fone C(04337)
848.

COMMUNICATIONS - BREMEN INFO - 125.1 376.7 **INFO** - 123.65

RENE MOUAWAD, (KLEYATE) LE **OLKA** MIL/CIV N34°35.36' E36°00.68' 75
UTC+2(+3DT) **H-13A-16G, L-16F**

(B) **RWY-06 L7** (9843x148 CON) **L7 RWY-24**
9573→ ←9593

REMARKS - Opr SR-SS.

COMMUNICATIONS - TWR - 119.5 123.1

NAVAIDS - RENE MOUAWAD NDB - HW 450.000 RA N34°35.94' E36°04.98' 257° 3.6 NM
to Fld. Unk/4°01.5'E

RENNES, FR **VORW-DME** - HA 109.250 REN CH 29(Y) (040/25) N48°04.15' W1°44.50'
At ST JACQUES. 126/(A)4°0.0'W **H-7A, L-7B**

RENNESOY, NO **NDB** - MHW 378.000 RSY N59°07.99' E5°38.51' 183° 15.4 NM
to SOLA. 10/0°59.2'W **H-2F, L-2E**

REUS, SP **LEERS** CIV N41°08.84' E1°10.03' 234 UTC+1(+2DT) **H-15A, L-11C**
RWY-07 L5,50 (8054x148 ASP PCN 39 F/B/W/T) **L5,33,50 RWY-25**
7201→

RWY-12 (3117x115 GRE) **RWY-30**

SERVICE - FUEL - A1 (AVCARD, fone C34-91-337-6144)(NC-100LL) **OIL** - 0-117-128

REMARKS - Opr 0700-2200Z plus 1 hr PPR, (0600-2100Z Mon, Thu, Fri, Sat, Sun;
0600-2359Z Tue; 0000-2100Z plus 2 hr PPR Wed sum) . **CSTMS/IMG** - Avbl, 48 hr PPR.

COMMUNICATIONS - APP - 118.15 **TWR - (E)** 118.15 257.8 **GND** - 121.7

NAVAIDS - REUS VORW-DME - HA 114.200 RES CH 89 N41°08.98' E1°10.27' At Fld.
272/(A)2°00.0'W **REUS NDB** - HW 424.000 RUS N41°08.87' E1°08.77' At Fld.

Unk/0°51.7'W

RES VOR-DME unuse

030° -065° blw 6000'

065° -280° blw 4000'

280° -030° blw 13,000'

ILS/RADAR - ILS-DME - 25

REYKHOLT, IC **NDB** - MHW 325.000 RH N64°39.85' W21°17.18' Unk/17°02.1'W
H-1A, L-1A

REYKJANESSKOLI, IC **NDB** - MHW 316.000 RE N65°55.58' W22°25.90'
Unk/18°23.5'W **H-1A, L-1A**

REYKJAVIK ACC, IC **BIRD CON - (E)** (119.7 123.9 125.7 128.6 132.3 255.4 S Sctr)
(125.5 126.75 132.2 255.5 E Sctr) (119.7 255.4 Domestic Sctr) **ICELAND RDO** - (126.55
127.85) (2899 5616 8864 13291 Family B W of 30°W) (2872 5649 8879 13306 Family C E of
30°W) (2971 4675 8891 13291 17946 Family D central and N rte) (11279 N rte)
H-1A, B, -2E, L-1A, B

B-362 AIRPORT/FACILITY DIRECTORY

REYKJAVIK, IC **BIRK** CIV N64°07.80' W21°56.43' 48 UTC 0 **H-1A, L-1A.**

(B) RWY-01 L5,50,53 4878→	(5141x148 ASP PCN 28 F/A/X/T)	L5,34,50,53 RWY-19
RWY-06 L5,50,53 2808→	(3150x98 ASP PCN 28 F/A/X/T)	L5,50,53 RWY-24 ←3084
RWY-13 L5,50,53	(4035x148 ASP PCN 28 F/A/X/T)	L5,50,53 RWY-31 ←3822

SERVICE - LGT - PAPI Rwy 01 GS 3.5° MEHT 50.23', PAPI Rwy 19 GS 3.5° MEHT 50.26', PAPI Rwy 06 GS 3.5° MEHT 47.96', PAPI Rwy 24 GS 3.7° MEHT 51.97', PAPI Rwy 13 GS 3° MEHT 50.87', PAPI Rwy 31 GS 3.7° MEHT 51.36'. **FUEL** - Avbl dly 0700-2100 summer, 0700-2000 winter, OT O/R via C354 840 3040. (NC-100LL, A1) **FLUID** - OX avbl O/R

REMARKS - RSTD - Tkof proh 2330-0700Z Mon-Fri, 2330-0800Z Sat-Sun exc for emerg flt. Ngt ldg-reverse thrust shall be kept to min. **CAUTION** - Bird haz, large flocks at Rwy 01 thld. Numerous cranes in cnty of runways up to 257' MSL tl 01 Feb 08. **NS ABTMT** - See AP/2 Supplementary Arpt Rmk. **CSTMS/IMG** - Avbl. **MISC** - Ldg fees.

COMMUNICATIONS - ATIS - Opr 0630-1900Z 1 Oct -31 Mar, 0630-2300Z 1 Apr -30 Sep. 128.1 **RDO** - 126.55 127.85 (126.55 E and S, 127.85 W) **APP/DEP** - Opr H24. 119.0 **TWR** - Opr H24. (V) 118.0 292.7 **GND** - 121.7

NAVAIDS - VOT - 113.0 **GROF NDB** - MHW 319.000 GF N64°08.97' W21°56.50' 197° 1.2 NM to Fld. Unk/17°08.3'W **REYKJAVIK NDB** - HHW 355.000 RK N64°09.08' W22°01.73' 137° 2.7 NM to Fld. Unk/17°11.3'W **SKAGI NDB/LOM** - MHW 379.000 SA N64°18.33' W21°58.28' 194° 10.6 NM to Fld. Unk/17°14.3'W

ILS/RADAR - **ILS LOC-DME** ■ **RADAR** - ASR Call APP 119.0

RHEIN RADAR, (KARLSRUHE UAC) GM **EDUU KARLSRUHE UACC** (mil) -

RADAR/CON - GAF - (E) 336.575 372.125 389.325(362.3 mil grd.) 135.95 (**387.250** Initial ctc for Rhein UIR)(Alt freq - **128.075 284.3**) **Frankfurt E Sctr** - (132.33+ 372.125 FL 245 - FL 325) **Frankfurt High Sctr E** (128.83+ 280.2 FL 325 - unltld) (133.34+x 388.55x 280.2x FL 345 - unltld) (135.95x 388.55x FL 375 - unltld) (OAT sector and E of 09°E 308.875 371.95 FL 245 - unltld) **Nattenheim E Sctr** - (132.08+ 378.225 FL 245 - FL 335)(132.78+ 296.675 FL 335 - unltld)(136.48x+ 376.35 FL 345 - unltld)(387.15 387.8 FL 245 - unltld 0630-2130Z++ Mon-Fri, OT O/R) **Sollingen E Sctr** - (120.93+ 313.625 FL 245 - FL 335) (124.035+ 284.05 FL 335 - unltld) **Tango E Sctr** - (132.405+ 355.85 FL 245 - FL 335) (133.28+ 341.675 FL 335 - unltld) 282.7 240.475 **Wurzburg E Sctr** - (134.085+ 387.325 FL 265 - FL 325) (133.835+ 344.065+ 379.1x FL 345 - unltld) (134.065x+ 277.6x FL 345 - unltld) (294.7 379.1 FL 245 - unltld Opr 0630-2130Z++ Mon-Fri, OT O/R. **Fulda E Sctr** - (133.65 373.525 FL 245 - FL 325) (134.69+ 314.325 FL 325 - unltld) **Fulda High Sctr E** (134.69+ 314.325 FL 325-unltld) **Erlangen High Sctr E** (132.155+ 136.4+ 256.425 FL 265 - FL 325) **Erlangen Top Sctr E** (132.155+ 357.025 FL 325 - unltld) Erlangen Mega Top Sctr (126.265X+ 357.025X FL 375 - unltld) **Ostsee High Sctr E** - (136.4+ 256.425 FL 265 - FL 325) **Havel High Sctr E** - (133.265+ 293.475 FL 285 - unltld) **Saale High Sctr E** - (133.86+ 249.8 FL 285 - FL 355) **Saale Top Sctr E** - (120.935+ 249.8 FL 355 - unltld) **Spree High Sctr E** - (133.285+ 281.375 FL 285 - unltld) **RHEIN MONITOR** - (341.975 EDR305) (356.15 374.825 EDR306 EDR308) **REMARKS** - + sign means 8.33 KHz spacing.

RHEINE BENTLAGE, GM **ETHE** MIL N52°17.47' E7°23.22' 129 UTC+1(+2DT)

H-5C-6H, L-5B

(B) RWY-09 L5,8,33,50	(1673x98 ASP)	L5,50 RWY-27
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SERVICE - AOE **FUEL** - J8 **OIL** - O-133-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - RON PPR. PPR for ldg with armed acft, chaff or flr. **MISC** - Fone C05971-9172-0, extrn 2273.

COMMUNICATIONS - BREMEN CON - (R) (E) 124.65 372.55
BENTLAGE RADAR - (R) (E) 123.3 140.75 344.0 360.075 398.7
BENTLAGE TWR - Opr HO (E) 122.1 254.7 257.8 **A/G** - 42.4

NAVAIDS - RHEINE BENTLAGE NDB - MHW 401.500 BET N52°17.27' E7°23.14' At Fld. 219/0°16.9'E

ILS/RADAR - **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

RHINE ORDNANCE BARRACKS, GM See KAISERSLAUTERN DEPOT AHP

AIRPORT/FACILITY DIRECTORY B-363

RIED, GM **VORW-DME** - L 112.200 RID CH 59 (040/25) N49°46.90' E8°32.49'
328/(A)0°00.0'E **H-6H, L-6G**

RIESA GOHLIS, GM **EDAU** CIV N51°17.61' E13°21.36' 322 UTC+1(+2DT) **L-5D**
(B) **RWY-09** (2461x98 GRS) **RWY-27**
RWY-12 (3281x66 ASP) **RWY-30**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0700Z-SS, O/T PPR, (0600-1800Z, O/T PPR DT). **CSTMS/IMG** - CSTMS In non-coml tfc and in non-sked tfc for the transportation of passengers, PPR O/R H24.

COMMUNICATIONS - BERLIN INFO - (E) 125.8 **INFO** - 122.6 15NM to 3000ft AGL.

RIGA ACC, LG **EVRR** (CIV) **CON/RADAR- (V) (R) Sctr N- 135.1** 135.1 **134.125**
134.125 **Sctr S- 134.750** 134.750 **135.1** 135.1 **134.125** 134.125 **Sctr E- 133.2** 133.2
134.125 134.125 **H-2H, L-2G,H**

RIGA INTL, LG **EVRA** CIV N56°55.42' E23°58.27' 34 UTC+2(+3DT) **H-2H, L-2H**
RWY-18 L5,11,50 (8366x148 ASP PCN 110 F/A/W/T) L5,11,50 **RWY-36**

SERVICE - AOE FUEL - A1 (Total Gulfstream Oil fone C371 7207 037, 371 9105 444)
(NC-100LL) **FLUID** - De-Ice

REMARKS - Opr 0600-1500Z++ Mon-Fri. **MISC** - Ldg fees.

COMMUNICATIONS - ATIS - Opr H24. 121.2 **APP** - Opr H24. **(R)** 127.3 **TWR** - Opr H24.
118.1 **BASE SVC** - Call TRANSIT. 131.6

NAVAIDS - RIGA VORW-DME - HA 112.050 RIA CH 57(Y) N56°55.25' E23°57.91' At Fld.
100/5°60.0'E

ILS/RADAR - ILS-DME- 18, 36

RIJEKA, (KRK ISLAND) HR **LDRI** CIV N45°13.01' E14°34.22' 278 UTC+1(+2DT)
H-4E-7D, L-9D-10E
RWY-14 L3,5,9,12,43 (8164x148 PEM PCN 45 F/A/X/T) L5,9,43 **RWY-32**

SERVICE - LGT - Rwy 14 SALS O/S UFN. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1500Z++, OT 24 hr PPR. **RSTD** - 24 hr PPR acft over 59' len.

CAUTION - Bird haz.

COMMUNICATIONS - APP - By NOTAM. 119.0 **TWR** - By NOTAM. **(V)** 119.0

NAVAIDS - RIJEKA VORW-DME - HA 117.800 RJK CH 125 N45°13.45' E14°34.02' At Fld.
360/(A)0°00.0'E **KOZALA NDB/LOM** - MHW 438.000 KO N45°20.08' E14°26.81' 143°
8.8 NM to Fld. Unk/2°15.0'E **BREZA NDB** - HHW 400.000 BRZ N45°25.42' E14°20.72'
142° 15.6 NM to Fld. Unk/2°14.6'E (50NM-W) **CRES NDB** - MHW 433.000 CRE
N44°54.17' E14°24.99' 017° 19.9 NM to Fld. Unk/2°14.5'E **VHF/DF**

ILS/RADAR - ILS

RIMINI, (RIMINI MIRAMARE) IT **LIPR** MIL/CIV N44°01.22' E12°36.70' 41 UTC+1(+2DT)
H-7D, L-12E
(B) **RWY-13** L4,5,9,33,50 (9828x148 ASP SWL55) L4,5,9,33,50 **RWY-31**
8798→ ←8822

SERVICE - LGT - Calvert Rwy 13/31 O/S UFN. PAPI Rwy 13 MEHT 52', PAPI Rwy 31 MEHT 52'. **JASU** - 1(MC-1A) **FUEL** - J8 (NC-100L). (J8 PN) (100L avbl 0500-1800Z++, OT O/R subj to svc charge).

REMARKS - Opr 0700-1400Z++ Mon; 0700-1500Z++ Tue-Thu; 0700-1100Z++ Fri to mil air tfc. Sat, hol and OT allowed base act only with medical assistance assured and verified.

RSTD - PPR Base OPS (C39-0541-719416). Taxi on min pwr in maneuvering area.

CAUTION - Rwy 13-31 and twy WIP UFN. Caution Rwy 13/31 last 984' due to crumbling sfc UFN. Hi ints rot lgt 2 NM final lt of cntrl Rwy 31 and 1.2 NM aft thld Rwy 31, rt of cntrl. Multi obst near/on afld. Bird haz. **NS ABTMT** - Rwy 13: Immed aft tkof turn rt hdg 145°, cros 1500' resume nml nav. Rwy 31: Immed aft tkof turn lt hdg 290°, cros 1500' resume nml nav.

COMMUNICATIONS - ROMAGNA APP - Opr H24. **(R) (E)** 118.15 118.575 122.1 379.5
234.275 362.3 **TWR** - Opr H24. **(E)** 119.1 122.1 257.8 278.1 **GND/CLNC DEL** - Opr H24.
121.6

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NAVAIDS - RIMINI VORTACW - HA 116.200 RIM CH 109 (040/25) N44°00.91' E12°37.00'
At Fld. 71/1°50.0'E MP 0800-1000Z++ 1st Wed. **RIMINI NDB** - MHW 335.000 RIM
N44°04.74' E12°30.36' 126° 5.8 NM to Fld. Unk/1°49.2'E MP 0900-1100Z++ Tue.
RIM VORTAC MRA R-300 30 NM 4000'
RIM VORTAC MRA 130°-160° 5000'
160°-210° 10,000'
210°-250° 12,000'
250°-290° 7000'
290°-130° 4000'
RIM NDB MRA 140°-290° 25 NM 10,000'
290°-140° 50 NM 4000'

ILS/RADAR - ➔ILS - BRG 307° LCZR MIR 109.3 GS 3°. BC unuse. **RADAR** - SEE TERMINAL
FLIP FOR RADAR MINIMA. MP 0700-0900Z++ wkd only if VMC.

RIMINI MIRAMARE, IT See RIMINI

RIVESALTES, FR LFMP CIV N42°44.43' E2°52.24' 144 UTC+1(+2DT) **H-7B-15A, L-11C**
RWY-13 (4150x66 ASP S46 T74 ST94 TT162) **RWY-31**
3746→ ←2992
RWY-15 L5,9,50 (8202x148 ASP PCN 50 F/C/W/T) L5,27,50 **RWY-33**
←7645

SERVICE - AOE **LGT** - PAPI Rwy 15 GS 3.7°. **FUEL** - Avbl 0430-1900Z++ Mon, Fri;
0430-2030Z++ Sat; 0630-2030Z++ Sun. OT PN rqr before 1700Z++. (NC-100LL, A1)

REMARKS - Opr 0500-2300Z++. **RSTD** - NORDO proh. **CAUTION** - Cranes .6NM fr Rwy 33
thld .1NM rgt of cntrlr hgt 148' AGL.

COMMUNICATIONS - **ATIS** - 127.875 **PERPIGNAN APP - (R)** 120.75
PERPIGNAN TWR - 121.9

NAVAIDS - **PERPIGNAN VORW-DME** - HA 116.250 PPG CH 109(Y) (080/50) N42°45.03'
E2°52.03' At Fld. 134/(A)1°0.0'W (100/50 045°-135°) **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 329° LCZR PL 111.75 GS 3° LOM PL 351. ■ **RADAR** - ASR - Info wi
TCA and RADAR CON wi sctr 005° and 150°. Call PERPIGNAN RADAR - 118.3 120.75

RIVOLTO, (M VISENTINI) IT LIPI MIL N45°58.72' E13°02.96' 179 UTC+1(+2DT)
H-7D, L-9D
(B) **RWY-06** L7,9,33,50 (8365x144 ASP SWL46) L7,9 **RWY-24**
HOOK BAK-13(B) (370') HOOK BAK-13(B) (514') NET BEFAB (525' OVRN) →

SERVICE - **LGT** - PAPI Rwy 06 GS 2.5°. **A-GEAR** - BAK-13 Rwy 06/24 avbl 20 min PN.
FUEL - 100LL, J8 **FLUID** - LHOX avbl tran acct 0730-1500Z++ Mon-Thu, 0730-1030Z++
Fri, OT 3 hr PN. **OIL** - O-113-117-123-128-148-149-156

REMARKS - Opr 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri, OT PPR. Clsd Aug 5. **RSTD** -
PPR 48 hr by Base OPS. **CAUTION** - Unrpt hard sfc byd both rwy ends.

COMMUNICATIONS - **AVIANO APP - (R) (E)** 120.125 360.775 362.3 **TWR** - Opr
0715-1500Z++ Mon-Thu, 0715Z++ Fri. OT PPR. **(E)** 122.1 139.25 257.8 234.15

NAVAIDS - **RIVOLTO TACAN** - HA RIV CH 37 (040/25) N45°59.74' E13°05.30' 238° 1.9 NM
to Fld. 267/1°59.0'E MP 0700-0800Z++ 1st and 3rd Thu. **RIVOLTO NDB** - MHW 371.000
RIV N45°56.12' E12°56.52' 058° 5.2 NM to Fld. Unk/1°57.0'E MP 0900-1200Z++ 1st Mon.

UHF/DF
RIV TACAN MRA 40 NM 020°-050° 10,000'
050°-120° 7000'
120°-250° 2000'
250°-290° 10,000'
290°-020° 11,500'
RIV NDB MRA within 15 NM blw 1500'
050°-070° 15 NM 6000'
070°-250° 15 NM 1500'
250°-270° 15 NM 7000'
270°-290° 15 NM 11,000'
290°-340° 15 NM 14,000'
340°-050° 15 NM 11,000'

ILS/RADAR - **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

AIRPORT/FACILITY DIRECTORY B-365

RIYADH, SA See KING KHALED INTL

RIYADH AB, SA OERY MIL N24°42.59' E46°43.51' 2082 UTC+3 **H-14F, L-20G**
(B) **RWY-01** L5,33,50 (13288x147 ASP) L5,12,50 **RWY-19**
10827→
RWY-12 L5,12,50 (11778x147 ASP) L5,33,50 **RWY-30**
SERVICE - FUEL - A1 (Saudi Aramco Fone C966-1-221-1291) (NC-100LL, J4)
REMARKS - RSTD - PPR. **CAUTION** - Extv stu acft trng Sat-Thu. Extv rubber deposits entire
rwy. **MISC** - All inbd US acft ctc SANDMAN 311.0. 4409 OG/Comd Post V435-5095/5019.
COMMUNICATIONS - ATIS - 114.5 **APP - (R) (E)** 120.0 124.1 339.4 343.4
TWR - 118.1 341.6 **GND** - 121.9 262.5 **HOTEL 2** - Opr Sat-Wed 0430-1330Z 7300 12112
REMARKS: (US Mil Trng Msn) **PMSV METRO** - 338.0 **REMARKS:** (No WX RADAR, full
fcst-obsn avbl H24)(US METRO opr H24, V478-1100 extn 5582 or 5657. USAF Wx
obsn-fcst avbl under ICAO ident KQGT 259.9)
NAVAIDS - RIYADH DVORTACW - T 114.500 RIY CH 92 N24°43.05' E46°43.24' At Fld.
2018/2°25.2'E
ILS/RADAR - ➔ILS-DME - BRG 006 LCZR I-RIY 110.3 CH 40 GS 3°.

RIYAN, YM See MUKALLA INTL

ROANNE, FR TVORW - T 109.200 ROA (025/10) N46°03.55' E3°59.96' At RENAISON.
1106/0°20.3'W **H-7B, L-8G**

ROBERTS ACC, LI GLRB CON - (128.1 Sctr 2) (128.1 Sctr 1) **RDO** -6673 8861 **L-19A**

ROBIN HOOD, UK See DONCASTER SHEFFIELD

ROBINSON, FR LFSI MIL N48°38.16' E4°53.97' 458 UTC+1(+2DT) **H-6G, L-6F**
RWY-11 L5,9,50 (7913x148 ASP S28 T60 ST76 TT120) L5,9,24,50 **RWY-29**
NET UNK (98' OVRN) HOOK UNK (1378') HOOK UNK (1371') NET UNK (105' OVRN)
SERVICE - A-GEAR - Cable type unk. Auto J-bar when speed more than 22 kt wi 328' EOR.
FUEL - Avbl dur ATC hr Mon-Thu; 1 hr PN Sat, Sun and hol. A1+ **FLUID** - LHOX LOX
OXR
REMARKS - Opr 0715-1620Z++ Mon-Thu; 0715-1400Z++ Fri, OT PPR before 1530Z++; PPR
before 1430Z++ on last working day for Sat, Sun and hol. **RSTD** - PPR. Fone
C03.25.07.70.05. Incl Auth Nr in item 18 of FPL. Ovft proh blw 1000' AGL
COMMUNICATIONS - ST DIZIER APP - (R) (U) 142.45 134.775 242.45 362.3 244.6X
244.6X **ST DIZIER TWR - (U)** 138.925 140.175 134.775X 372.425 257.8 **GND** - 122.1
257.8
NAVAIDS - ST DIZIER TACAN - HA SDI CH 87 (060/25) N48°38.22' E4°53.35' At Fld.
492/(A)2°00.0'W **ST DIZIER NDB** - MHW 373.000 SDI N48°37.74' E4°54.64' At Fld.
Unk/0°14.9'W (50 NM-W) **VHF/UHF/DF**
ILS/RADAR - ➔ ILS - BRG 294° LCZR SDI 108.9 GS 2.82°. ■ **RADAR** - ASR - Call ST DIZIER
RADAR - 123.3x 141.7x 265.9x 277.325x 278.325x 282.625x 336.1x 362.3x. PAR - Call ST
DIZIER PRECISION - 123.3x 141.7x 265.9x 277.325x 278.325x 282.625x 336.1x 362.3x.

ROBLEDILLO, SP DVORW-DME - HA 113.950 RBO CH 86(Y) N40°51.23' W3°14.80'
3119/2°9.0'W **H-3A-16I, L-11B**

ROBLEDILLO DE MOHERNANDO, (GUADALAJARA) SP LERM PVT
N40°51.92' W3°14.87' 3097 UTC+1(+2DT) **L-11B**
RWY-01 (3281x33 ASP) **RWY-19**
SERVICE - FUEL - (NC-100LL)

B-366 AIRPORT/FACILITY DIRECTORY

RODING, GM **DVORTACW** - HA 114.700 RDG CH 94 (060/50) N49°02.42' E12°31.59'
2172/(A)0°00.0'E
RDG TACAN unusé 060°-140° byd 27 NM blw 6000'
060°-140° byd 40 NM blw 10,000'
060°-140° byd 55 NM blw 14,000'
RDG VOR unusé 060°-080° 23-45 NM blw 12,000'
110°-140° 23-45 NM blw 14,000'

H-6I, L-6I

RODOS, GR See MARITSA

RODOS, GR See DIAGORAS

RODOS, GR **VORW-DME** - HA 115.800 RDS CH 105 (200/50) N36°20.47' E28°04.95' 002°
3.9 NM to DIAGORAS. 1553/(A)1°0.0'E **NDB** - MHW 339.000 ROS N36°25.10' E28°07.08'
241° 1.7 NM to DIAGORAS. Unk/3°38.6'E **TACAN** - HA ROD CH 121 (150/25) N36°20.47'
E28°04.95' 003° 3.9 NM to DIAGORAS. 17/3°37.9'E O/S UFN **H-10H-15E, L-14H-15A**

ROERVIK, NO **VORW-DME** - HA 112.700 RVK CH 74 (040/25) N64°50.25' E11°08.81'
70/(A)1°00.0'W **H-1C, L-1C**

ROEST, NO **VORW-DME** - HA 113.500 RS CH 82 N67°31.66' E12°06.03' 33/(A)0°00.0'E
H-1C, L-1C

ROLAMPONT, FR **VORW-DME** - HA 117.300 RLP CH 120 (060/50) N47°54.38'
E5°14.91' 1490/(A)2°00.0'W (120/50 sctr 105°-165°) **H-6G-7B, L-6F**

ROMA ACC/FIC, IT **LIRR** (ItAF/CIV) **CON** - (E) 127.35 268.6 379.825 277.9 362.3
379.4 (127.95 133.125 135.7 ATC discretion) (128.8 134.2 Opr 0600-2200Z++) **ATS**
ROUTES - MILANO Sctr - **132.905 134.53 268.8 244.525** FL300-Unltd (**130.18 132.9**
ATC discretion) **NE Sctr** - 124.2 379.825 Opr 0600-2200Z++ (133.125 ATC discretion) **NW**
Sctr - 124.8 379.825 (125.45 ATC discretion) **SE Sctr** - 133.25 379.4 379.825 **S Sctr** -
128.8 379.4 379.825 Opr 0600-2200Z++ **W Sctr** - 132.525 379.825 (135.7 ATC discretion)
ARR Sctr - 119.2 277.9 To 6000' ATC discretion **DEP Sctr** - 130.9 277.9 To FL 240 ATC
discretion **N Trml Sctr** - (125.5 269.7 Abv FL 150) (131.25 Blw FL 140) 379.825 **S Trml Sctr**
- 134.2 379.825 **W Trml Sctr** - 129.0 379.825 **NAPOLI S Trml Sctr** - 127.35 379.825
(132.025 ATC discretion) **ADVSY** - (125.45 130.9 132.025 135.7 ATC discretion) (128.8
131.25 134.2 Opr 0600-2200Z++) 124.8 125.5 129.0 132.525 133.25 **RADAR** - 127.95
ATC discretion **INFO** - 132.075 133.125 340.3 (VFR - 125.75 Opr SR-30 to SS+30) **ROMA**
MILITARY - 123.225 142.3 258.85 279.75 234.375 262.625. 282.1 (Milano FIR/UIR)
H-7D-10E-15C, L-11D-12E-14F

ROMA, IT **VORW-DME** - L 110.800 ROM CH 45 (040/25) N41°48.27' E12°35.28'
At CIAMPINO. 426/1°48.0'E
ROM VOR-DME MRA 40 NM 000°-045° 8000'
045°-080° 9500'
080°-170° 16,000'
170°-360° 5000'

H-7D, L-12E

ROME CIAMPINO, IT See CIAMPINO

ROMEO-OSCAR, FI **NDB** - MHW 361.000 RO N63°01.41' E23°03.83' Unk/7°01.9'E
L-1D

ROMORANTIN, FR **NDB** - MHW 301.000 RTN N47°19.19' E1°41.28' Unk/1°08.5'W
(15 NM-W) **H-7A, L-7C**

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RONCHI DEI LEGIONARI, (TRIESTE) IT **LIPQ** CIV N45°49.65' E13°28.33' 37

UTC+1(+2DT) **H-4E-7D, L-9D-10F**

(B) **RWY-09** L3,4,5,9,33,50

(9843x148 ASP PCN 90 F/A/W/T)

L4,5,9,50 **RWY-27**

9187→

SERVICE - AOE **LGT** - PAPI Rwy 09 MEHT 57', PAPI Rwy 27 MEHT 52' **FUEL** - A1 (Total SA, C+39 0481 777658) (NC 100LL avbl 0600-1930Z++, OT O/R before 2030Z++ C+39 0481 773231).

REMARKS - **RSTD** - All IFR trng flt with TAS 180K or less are apv only by coord with ATS pers at fone C+39 0481 771017. Twy G avbl SR-SS only. **CAUTION** - Multi 101' AGL obst to 1 mi apch end Rwy 27. 72' AGL twr 917' N thld, 119' AGL crane 1500' S thld Rwy 27. Follow-me for taxi rqr.

COMMUNICATIONS - **APP** - 119.175 **TWR** - (V) 130.2 257.8

NAVAIDS - **RONCHI VORW-DME** - HA 114.200 RCH CH 89 (040/25) N45°49.79'

E13°28.82' At Fld. 61/2°04.0'E MP 0730-0900Z++ 1st Fri. **RONCHI NDB** - MHW 396.000

RON N45°49.69' E13°21.64' 089° 4.7 NM to Fld. Unk/2°02.4'E MP 0800-1100Z++ 1st

Thu. **VHF/DF**

RCH VOR-DME MRA 25 NM

020°-090° 7000'

090°-170° 6000'

170°-330° 3000'

330°-020° 8000'

RON NDB MRA 25 NM

010°-180° uncntl

180°-330° 2000'

330°-010° 4500'

ILS/RADAR - **→ILS** - BRG 089° LCZR RNC 109.7 GS 3°

RONNE, DA **VORW-DME** - HA 112.000 ROE CH 57 (080/55) N55°03.93' E14°45.52'

At BORNHOLM RONNE. 79/(A)3°00.0'E (150/55 018°-153°) DME info fr ROE TACAN

H-2G-5D, L-2F

RONNEBY, (F 17) SW **ESDF** MIL/CIV (CIV) N56°16.00' E15°15.90' 191 UTC+1(+2DT)

H-2G-5D, L-2F

RWY-01 L25,33,50

(7648x148 ASP PCN 50 F/B/X/T)

L25,39,50 **RWY-19**

←J-BAR UNK (200' OVRN)

J-BAR UNK (400' OVRN) →

SERVICE - **LGT** - Both rwy ends have 2 sets of PAPI; fst set for SW mil use only. PAPI Rwy 01 GS 3.25° and PAR GS not coincidental. **A-GEAR** - When TWR clsd, may be in upright posn and lgtd. **FUEL** - Avbl HS. (NC-100LL, A1)

REMARKS - Opr 0500-1830Z++ Mon-Fri, OT O/R fone C+46 (0)457 255 90 or C+46 (0)708 24 47 02. **RSTD** - PPR for ops outside TWR opr hr. **CSTMS/IMG** - CSTMS avail O/R fone C+46 (0)8456 66 20. **MISC** - Ldg fees, INCR charges outside TWR opr hr.

COMMUNICATIONS - **CON** - (R) (U) 128.45 129.9 257.8 **TWR** - (R) (E) 119.2 257.8 3023

REMARKS: Opr 0500-2130Z++ Mon-Thu; 0500-2000Z++ Fri; 1215-1345Z++ Sat;

1300-1715Z++, 1730-2045Z++ Sun. Opr hr may be reduced around hol by NOTAM.

GND - 121.7

NAVAIDS - **RONNEBY NDB** - MHW 380.000 LF N56°11.71' E15°14.83' 006° 4.3 NM to Fld.

Unk/2°55.4'E **RONNEBY NDB/LOM** - MHW 318.000 LP N56°20.39' E15°17.16' 187°

4.4 NM to Fld. Unk/2°56.8'E **VHF/DF**

ILS/RADAR - **ILS RADAR** - PAR - SEE TERMINAL FLIP FOR PAR 01 AND 19 DATA. 120.0 134.1

ROROS, NO **ENRO** CIV N62°34.70' E11°20.54' 2054 UTC+1(+2DT) **H-2G, L-1C**

RWY-14 L5,41,50

(5643x131 ASP PCN 30 F/C/X/U)

L5,41,50 **RWY-32**

5446→

←5184

SERVICE - **LGT** - PAPI Rwy 14 GS 4°, terrain penetrates W side of obst. Cir guidance lgt to Rwy 14 NE of arpt. 295' gap btn last apch lgt and Rwy 14 thld. **FUEL** - Avbl 0730-1530Z++ Mon-Fri, 0800-1530Z++ Sat-Sun. (NC-100LL,A1)

REMARKS - Opr 0730-1530Z++ Mon-Fri, 0800-1530Z++ Sat-Sun. OT O/R. **RSTD** - Rwy 14 TODA 6135', Rwy 32 TODA 5512'. **CAUTION** - Unlgtd obst and hi tension pwr lines sur arpt. Windshear may occur on short final Rwy 14 and 32 even when indicated sfc wind is weak. Downdraft may occur on final Rwy 14. Wind S-SW abv 20 Kt. Deer and elk. **NS ABTMT** - See AP/2 Supplementary Arpt Info. **CSTMS/IMG** - Avbl O/R 0700-1400Z++ Mon-Fri; 3 hr PN rqr to twr fone C72409112. **MISC** - Ldg fees.

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COMMUNICATIONS - TWR - (V) 120.4

NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS-DME - BRG 306° LCZR RO 108.7 CH 24 GS 3.3° LCTR RBU 352 LCTR RS 336 at Fld LcZR crs offset 9° E of rwy cntrline.

ROSH PINA, IS See MAHANAIM I BEN YAAKOV

ROSKILDE, DA **EKRK** CIV N55°35.13' E12°07.89' 146 UTC+1(+2DT) **H-2G-5D, L-2F**
(B) **RWY-03** L5,34,50 (4921x105 ASP PCN 36 F/C/X/T) L5,34,50 **RWY-21**
RWY-11 L5,34,50 (5709x105 ASP PCN 36 F/C/X/T) L5,34,50 **RWY-29**
←5516

SERVICE - LGT - PAPI Rwy 11, 21 MEHT 51'. **FUEL** - 1 hr PN btn 2100-0600Z++, OT H24.
(NC 100LL, A1) **FLUID** - Ltd De-Ice avbl. **TRAN ALERT** - Cargo handling O/R, repair fac
avbl 1 hr PN btn 2100-0600Z++, OT H24. Call Handling.

REMARKS - CAUTION - Gldr/hang gldr act. **CSTMS/IMG** - Avbl 1 hr PN. **MISC** - Ldg
fees.

COMMUNICATIONS - ATIS - Opr 0600-2100Z++ 123.8 **APP - (R)** 125.525 259.05
TWR - (R) (V) 118.9 119.65 261.375 **HANDLING** - 130.225

NAVAIDS - ROSKILDE NDB - HW 368.000 RK N55°37.39' E11°59.83' 115° 5.1 NM to Fld.
Unk/1°45.3'E **VHF/DF**

ILS/RADAR - ➔ ILS - BRG 210° LCZR SN 108.7 GS 3° ➔ **ILS-DME** - BRG 115° LCZR KV 111.5
CH 52 GS 3° LCTR RK 368.

ROTA NS, (CADIZ) SP **LERT** MIL N36°38.71' W6°20.97' 86 UTC+1(+2DT)

H-9A-16H, L-13C
(B) **RWY-10** L5,9,50,51 (12104x200 ASP PCN 68 F/A/W/T) L5,9,50,51 **RWY-28**
E28(B) (2300') E28(B) (3500')

SERVICE - AOE **LGT** - PAPI Rwy 10 GS 3.0°, PAPI Rwy 28 GS 2.75°. **A-GEAR** - Rwy 10-28
O/R 30 min 0700-1500Z++ Mon-Fri, exc US hol; OT 72 hr PN. Rwy 10-28 O/S til 6 Jun 06.
JASU - A/M32A-86, 3(A/M32A-95), 2(MC-2A), 1(MC-7) subj avbl. **FUEL** - J5 J8. **FLUID** -
SP LHOX LOX. **TRAN ALERT** - Ltd tran svc avbl, exc AMC. Non-AMC acft must provide
licensed gnd support pers to svc acft. Non-AMC acft det must preposition gnd support
eqpt prior to acft arr. USN units rqr gnd support eqpt coord with CNAF at DSN 565-4491,
C757-445-4491, 21 days PN.

REMARKS - RSTD - PPR for all acft, explosive cargo and fuel must be specified. Ctc
MATADOR comd post for PPR assignment DSN 314-727-2793. Acft rqr diplomatic cnc IAW
FCG (SPAIN). Apv PPR does not constitute diplomatic cnc. Diplomatic cnc and bureau Nr
are mand in block 18 (remarks) on DD1801 for all arr and dep acft. All acft mand ctc
MATADOR comd post 30 min prior arr with load msg and ETA. **CAUTION** - 1 per cent up
slope fst 2000' Rwy 28. Hvy VFR copter tfc E of fld at and blw 1000'. Hi tension p-line
running N-S 0.75 NM E of Rwy 28. Extreme bird haz due to migration rte and wildlife
refuge lctd 20 nm N. Acft prk 750' S of Rwy 10-28 with tail hgt of 65.1'. WIP UFN, men and
eqpt N of Rwy 28, aprx 2400' fr apch end. Ext rmp const thru Oct 06. **TFC PAT** - Rgt tfc
Rwy 28. **CSTMS/IMG** - US CSTMS and SP IMG. **MISC** - MATADOR comd post DSN
314-727-2138/2793. C(34)-956-82-2138/2793. Base OPS DSN 314-727-2207
C(34)-956-82-2207, fax DSN 314-727-2968 C(34)-956-82-2968. Flight weather briefings will
be conducted by joint operations at NAFD/21 OWS at Sembach, Germany. METRO DSN
496-6145/6146 C(49)-6302-67-6145/6146, Fax DSN: 496-6184, C(49)-6302-67-6184, e-mail;
ows.ops@sembach.af/mil. Local PMSV circuits no longer monitored at NAVSTA Rota. Incl
NAVSTA ROTA, SP//AIROPS// on flt advsy msg. Pilots must ck EUR FLOW RSTD at base
OPS prior to FPL.

COMMUNICATIONS - ATIS - 267.6 **SEVILLA APP** - 120.0 120.8 128.5 261.05
TWR - (E) 119.75 257.8 313.45 **GND** - 130.7 317.5 **CW AOK** - 6721.5 11256.5 (6721.5
Opr 2200-0600Z++)(11256.5 Opr 0600-2200Z++) **MATADOR COMD POST** - 372.4
BASE OPS - 126.2

NAVAIDS - ROTA TACAN - HA AOG CH 23 (040/25) N36°38.87' W6°20.94' At Fld.
86/(A)5°00.0'W Momentary crs aberrations in excess of 3° btn 12 and 14 NM may be exp
in this area blw 4000'. **ROTA NDB** - MHW 267.600 AOG N36°38.52' W6°19.01' 280°
1.6 NM to Fld. Unk/2°55.2'W O/S UFN.

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ILS/RADAR - ILS-DME - 10. RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA. PAR MP wky 0700-1300Z++ Mon-VMC. ASR MP wky 0700-1300Z++ Mon-VMC. GCA unavbl 2200-0600Z exc in IMC UFN.

ROTH, (ROTH KILIANSDORF) GM **ETHR** MIL N49°13.05' E11°06.01' 1268 UTC+1(+2DT)
VFR, L-6H
(B) **RWY-09** L5,43 (1755x98 ASP AUW40) L2,5,24,43 **RWY-27**
SERVICE - AOE LGT - VASI Rwy 27 GS 5.0°. **FUEL - J8 OIL -** O-133-156
REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD -** PPR, coord of cross svc and RON only via AFTN. Practice apch and attacks of jet proh 1100-1300Z++.
NS ABTMT - Avoid ovft Garrison rifle rng (4921' 124° fr arpt), GCI unit (5413' 099° fr arpt) and Roth Hosp (9186' 313° fr arpt). **MISC -** Emerg ldg strip N of and parl to rwy. Lgt acft, gldr act and police copter ops Sat, Sun and hol fr SR-SS (glldr act only fr 1000-1400Z++). Fone C09171-83-1 extn 2183/2184.
COMMUNICATIONS - TWR - (E) 122.1 257.8 277.65 **AG MIL VOICE RDO -** 42.4X

ROTH KILIANSDORF, GM See ROTH

ROTHENBACH, GM **NDB -** MHW 415.000 RTB N49°28.96' E11°15.17' 276° 7.3 NM to NURNBERG. 1096/1°33.1'E **L-6I**

ROTHENBURG GORLITZ, GM **EDBR** CIV N51°21.79' E14°57.00' 517 UTC+1(+2DT) **L-5E, H-5E**
(B) **RWY-18** L38,55 (8202x148 ASP PCN 40 F/B/Y/T) L38,55 **RWY-36**
RWY-18R (4003x131 GRS) **RWY-36L**
SERVICE - FUEL - (NC 100LL, A1)
REMARKS - Opr 0900-1500Z, O/T 24 hr PPR (0800-1600Z or SS+30, OT 24 hr PPR DT).
CAUTION - Gldr, ultralgt, model acft, balloon and PJE act. **CSTMS/IMG -** CSTMS avbl PPR (24 hr PN, dur afld opr hr).
COMMUNICATIONS - BERLIN INFO - (E) 125.8 **INFO -** 123.25 3NM 3000 FT. AGL
NAVAIDS - ROTHENBURG NDB - MHW 432.000 RO N51°20.62' E14°57.12' 354° 1.2 NM to Fld. Unk/2°36.0'E

ROTTERDAM, NL **EHRD** CIV N51°57.42' E4°26.23' -15 UTC+1(+2DT) **H-6G, L-5A**
RWY-06 L4,5,12,50 (7218x148 ASP PCN 70 R/D/X/T) L2,4,5,11 **RWY-24**
6562→ ←6562
SERVICE - AOE FUEL - Avbl 0530-2230Z++, 6 hr PN rqr OT. (NC-100LL, A1) **FLUID -** De-Ice **OIL -** 0-117-149-156
REMARKS - Opr 0500-2030Z++ Mon-Fri; 0700-1600Z++ Sat; 1000-1900Z++ Sun, Christmas Day, New Year's Day. PPR for all non-homebased gen avn, perms granted with confirmed handling fr Rotterdam Jet cntr at C+31(0)2984949, 2984948 freq 131.97, AVIA-Partner at C+31(10)2382704, FAX-2382707 freq 131.75. For further info ctc arpt auth C+31(0)4463456. **RSTD -** Arpt clsd 2130-0600Z++ exc for emerg, rescue, police, Coast Guard flt and diverting acft (Arpt may be filed as altn dur ngt hr). Arpt auth may grant perms for ldg and tkoff of taxi/executive flt, by acft with max 19 seats and MTOW up to and incl 43 metric tons, gov flt and ambulance flt. Arpt auth may grant perms for ldg/tkoff of delayed sked acft til 2300Z++ and for positioning flt fr 0500Z++. Rwy 24 only avbl for tkoff. For assistance, ctc SCHIPHOL at C+31(0)204062314 or 4062316. **CAUTION -** Rpt windspeed for Rwy 24 at theTDZ is up to 17 percent too lo for 290°-010°, 12 percent too lo for 130°-170°.
COMMUNICATIONS - ATIS - Opr H24 110.4 **APP -** Opr 0600-2000Z++ Mon-Fri (**R**) 127.025 281.05 **SCHIPHOL -** Use outside Rotterdam APP CON hrs. 121.2X 119.05X 339.475X 281.05X **TWR -** Opr H24 (**V**) 118.2 362.3 119.7 **GND -** 122.175 **REMARKS:** Start-up
NAVAIDS - ROTTERDAM DVORW-DME - HA 110.400 RTM CH 41 (050/25) N51°58.42' E4°28.86' 239° 1.9 NM to Fld. 34/(A)1°00.0'W Unrel btn 150°-170° Unsvc UFN.
ROTTERDAM NDB - MHW 350.500 ROT N51°53.86' E4°33.26' 310° 5.6 NM to Fld. Unk/0°38.9'W **VHF/DF**
ILS/RADAR - ILS

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ROUEN, FR **VORW** - L 116.800 ROU N49°27.94' E1°16.84' Unk/1°30.3'W **L-7C**

ROUMANIERE, FR **LFBE** CIV N44°49.52' E0°31.12' 171 UTC+1(+2DT)
H-7A, L-8F-11C

RWY-10 L5,50 (7234x148 ASP PCN 44 F/C/W/T) L5,9,27,50 **RWY-28**
6547→ ←6430

SERVICE - FUEL - Avbl 0600-1045Z++, 1230-1700Z++ Mon-Fri; 0700-1000Z++
1230-1700Z++ Sat; 1230-1700Z++ Sun. (NC-100LL, A1)(NC-100LL avbl H24 auto with
TOTAL credit card.)

REMARKS - Opr 0800-2200Z++ Mon-Fri, O/T 24 hr PPR. **CSTMS/IMG** - Avbl PPR 24 hr.

COMMUNICATIONS - AQUITAINE APP - Opr H24. 119.275 **REMARKS:**
BERGERAC TWR - 119.8

NAVAIDS - **BERGERAC NDB** - MHW 374.000 BGC N44°49.17' E0°37.16' 277° 4.3 NM
to Fld. Unk/1°15.1'W **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 277° LCZR RM 108.15 CH 18Y GS 3° LCTR BGC 374

ROUVRES, FR **LFQE** MIL N49°13.62' E5°40.33' 770 UTC+1(+2DT) **H-6G, L-6F**
RWY-01 L1,5,9,23 (7874x148 ASP S88) L1,5 **RWY-19**

SERVICE - FUEL - Avbl H24 with 24 hr PN (Mil). A1+ **OIL** - O-155

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, OT O/R before 1100Z++; Sat,
Sun and hol, O/R before 1100Z++ prev working day. **RSTD** - PPR. Fone C03-29-87-82-34.
Incl Auth Nr in fld 18 of FPL. Ovft proh blw 1000' AGL. Ovft village of Etain proh blw 3281'
AGL. NORDO proh.

COMMUNICATIONS - ETAIN APP - 120.125 308.775X **ETAIN TWR - (V)** 142.7
GND - 138.1

NAVAIDS - **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 013° LCZR MCY 110.5 CH 42 GS 3° LCTR ETN 410. ■ **RADAR**
- Opr O/R 2 hr PN Twr. ASR - Call ETAIN RADAR - 120.125 278.225

ROVANI, FI **DVORW-DME** - HA 117.700 ROI CH 124 N66°33.75' E25°49.22'
At ROVANIEMI. 661/(A)6°00.0'E ATIS bcst. **H-1D, L-1D**

ROVANIEMI ACC, FI **EFPS** (CIV) **CON/RADAR - (R)** (V) 123.85 **Sctr 6** - 124.2
Sctr 7 - 126.1 **H-1D, L-1D**

ROVANIEMI, FI **EFRO** MIL/CIV N66°33.89' E25°49.82' 645 UTC+2(+3DT) **H-1D, L-1D**
RWY-03 L4,5,33,50 (9849x197 ASP PCN 105 F/A/W/T) L3,4,5,10,50 **RWY-21**
MA-1 UNK (181' OVRN) HOOK UNK (2487') MA-1 UNK (207' OVRN)

SERVICE - FUEL - Avbl 0330-2000Z++ Mon-Fri, 0330-1600Z++ Sat, 0700-2000Z++ Sun, OT 3
hr PN. (NC-100LL, A1) **FLUID** - De-Ice

REMARKS - **CSTMS/IMG** - Avbl - 1.5 hr PN. **MISC** - Ldg fees.

COMMUNICATIONS - ATIS - 117.7 **APP** - Opr 0600-1400Z Mon-Fri, OT HO. (V) 125.8
129.9 **TWR - (V)** 118.7 119.7 **GND** - Opr HO. Call DELIVERY 118.525
PMSV METRO - Opr 0300-1900Z. 125.1

NAVAIDS - **ROVANI DVORW-DME** - HA 117.700 ROI CH 124 N66°33.75' E25°49.22'
At Fld. 661/(A)6°00.0'E ATIS bcst. **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 209° LCZR RO 109.1 GS 3° LOM TOR 416 LMM R 357. ■ **RADAR** -
ASR - Call RADAR. Opr HO 0600-1400Z++ Mon-Fri. 119.7 129.9 ASR - Call ARRIVAL. Opr
HO 0600-1400Z++ Mon-Fri. 118.6 119.7 PAR - Call Precision. Opr HO 0630-1400Z++
Mon-Fri. 120.05 119.7

ROZAS, SP **LERO** PVT N43°07.02' W7°28.22' 1444 UTC+1(+2DT) **L-11A**
RWY-04 (3937x148 ASP) **RWY-22**

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr HX.

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RUDESHUR, IR **NDB** - HHW 275.000 RUS N35°26.70' E50°54.08' 3661/4°00.2'E
H-13C, L-17B

RUDNIKI, PL **EPCH** CIV N50°53.10' E19°12.28' 860 UTC+1(+2DT) **H-8G, L-22F**
RWY-08 (6562x197 CON) **RWY-26**
SERVICE - FUEL - (NC-100LL)
REMARKS - Opr 0800-1500Z++ **RSTD** - 24hr PPR
COMMUNICATIONS - AERO - 122.8

RUSE, BU **NDB** - HHW 415.000 RUS N43°39.00' E25°59.00' Unk/4°12.0'E **H-4G, L-12H**

RUSH, EI **NDB** - MHW 326.000 RSH N53°30.71' W6°06.63' 232° 7.9 NM to DUBLIN.
Unk/5°04.0'W **H-3D-5A, L-3B**

RUSKO, FI **DVORW-DME** - HA 115.500 RUS CH 102 N60°30.91' E22°15.39' At TURKU.
187/(A)4°00.0'E **H-2H, L-1D**

RUZYNE, EZ **LKPR** CIV N50°06.05' E14°15.60' 1247 UTC+1(+2DT) **H-6I, L-6J, T-1A**
RWY-04L6 (6955x197 ASP PCN 45 F/B/X/T) **L6 RWY-22**
RWY-06L4,5,12,50 (12189x148 CON PCN 62 R/B/X/T) **L2,3,4,5,10,50 RWY-24**
RWY-13L5,14,50 (10663x148 CON PCN 40 R/C/X/T) **L2,5,11,50 RWY-31**
SERVICE - AOE **LGT** - Last 1969' of all rwy lgt yellow. **FUEL** - A1 (Shell Czech Republic fone
C 420 2 2011 3878) (NC-100LL)
REMARKS - RSTD - Rwy 04-22 is clsd for tkof and ldg. **NS ABTMT** - Max noise levels:
85db(A) fr 0500-2100Z++ and 75db(A) fr 2100-0500Z++.
COMMUNICATIONS - ATIS - 122.15 **PRAHA APP - (R) (V)** 120.525 127.575 136.075
REMARKS: Call PRAHA RADAR (136.075 Opr HX.) **TWR - (V)** 118.1 119.7 **REMARKS**: (119.7
Opr HX.) **GND** - Opr 0600-2000Z++, 121.9 118.1 **REMARKS**: (118.1 Opr 2000-0600Z++.)
CLNC DEL - Opr 0600-2000Z++. 120.05 118.1 **RADAR** - Opr 0600-2000Z++. 119.0
INFO - 118.3 **REMARKS**: (Opr 0700-1600Z Apr-Oct; 0900-1500Z Nov-Mar)
NAVAIDS - PRAHA VORW-DME - HA 112.600 OKL CH 73 (100/50) N50°05.79' E14°15.77'
At Fld. 1200/2°22.1'E **NERATOVICE VORW-DME** - T 108.600 NER CH 23 (025/10)
N50°21.99' E14°37.28' 221° 21.2 NM to Fld. 1000/2°28.4'E **RUZYNE NORTH NDB** - HW
356.000 PR N50°08.65' E14°22.03' 236° 4.9 NM to Fld. Unk/2°23.9'E
RUZYNE MIDDLE NDB - MHW 307.000 PG N50°02.86' E14°22.16' 305° 5.3 NM to Fld.
Unk/2°23.8'E
ILS/RADAR - ILS SEE TERMINAL FLIP FOR RWY 24, 31 DATA **ILS-DME** - BRG 063° LCZR
PH 111.15 CH 48Y GS 3°. ■ **RADAR** - ASR/SSR - Call RADAR 119.0

RUZYNE MIDDLE, EZ **NDB** - MHW 307.000 PG N50°02.86' E14°22.16' 305° 5.3 NM
to RUZYNE. Unk/2°23.8'E **H-6I, L-6J, T-1A**

RUZYNE NORTH, EZ **NDB** - HW 356.000 PR N50°08.65' E14°22.03' 236° 4.9 NM
to RUZYNE. Unk/2°23.9'E **H-6I-8F, L-6J, T-1A**

RYGGE, NO **ENRY** MIL N59°22.73' E10°47.13' 174 UTC+1(+2DT) **H-2G, L-2F**
RWY-12L5,35 (8012x148 ASP PCN 50 F/B/X/T) **L5,35,50 RWY-30**
HOOK 34B-1C(B) (295') HOOK 34B-1C(B) (295')
SERVICE - AOE **LGT** - PAPI Rwy 30 GS 3.1'.
REMARKS - RSTD - PPR Diplomatic clnc req to COMAIRNORTH. PPR No rqr for all visiting
acft.
COMMUNICATIONS - APP - Opr 0730-1430Z++ Mon-Fri. **(R)** 122.1 124.35 275.4
ARRIVAL - Opr 0730-1430Z++ Mon-Fri. 120.3 369.35 **TWR** - Opr 0600-2100Z++ Mon-Fri,
0800-2100Z++ Sat-Sun. **(R) (E)** 119.5 308.85
NAVAIDS - RYGGE TACAN - HA RYG CH 82 N59°22.75' E10°46.78' At Fld.
190/(A)1°00.0'W **ENGE NDB** - MHW 396.000 YG N59°22.13' E10°49.77' 293° 1.5 NM
to Fld. Unk/1°16.1'E **TUNE NDB** - MHW 381.000 RG N59°19.48' E11°00.31' 295° 7.5 NM
to Fld. Unk/1°20.6'E **VHF/UHF/DF**

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ILS/RADAR - ➔ ILS BRG 297° LCZR RY 109.1 GS 3.1° LOM RG 381 LCTR YG 396.

RZESZOW, PL **VORW-DME** - HA 116.200 RZE CH 109 N50°06.59' E22°05.93' 267°
3.1 NM to JASIONKA. 689/(A)3°00.0'E **NDB** - HW 474.000 RZ N50°06.52' E22°08.04'
271° 4.4 NM to JASIONKA. Unk/4°19.5'E **NDB** - HW 440.000 OR N50°06.62' E21°59.21'
088° 1.2 NM to JASIONKA. Unk/4°17.4'E **H-8G, L-22G**

S.S. REYES, SP **VORW-DME** - T 117.850 SSY CH 125(Y) N40°32.79' W3°34.51' 175°
3.2 NM to BARAJAS. 2012/2°14.2'W **H-3A, 16I, L-11B**

SAAB, (LINKOPING SAAB) SW **ESSL** CIV N58°24.37' E15°40.83' 172 UTC+1(+2DT)
H-2G, L-2F
RWY-11 L5,50 (6989x131 ASP PCN 35 F/B/X/T) L2,5,33,50 **RWY-29**
←J-BAR UNK (805' OVRN) J-BAR UNK (259' OVRN) →

SERVICE - LGT - PAPI Rwy 11 GS 3.25°, PAPI Rwy 29 GS 2.86°. **FUEL** - Avbl PPR.
(NC-100LL, A1)

REMARKS - RSTD - 24 hr PPR, fone C+46 (0)1318 10 40 dur 0600-2100Z++, OT for SEng
VFR fr flying club at C+46 (0)1318 32 00. **CSTMS/IMG** - CSTMS O/R fone C+46 (0)8456 66
20, fax C+46 (0)8456 65 96. **RWY** - Rwy 29 has mrk for a 4593' mil rwy with mil mrk boards
along Rwy 11/29.

COMMUNICATIONS - TWR - (E) 118.8 123.4 133.1 128.7 **REMARKS**: Opr 0500-2245Z++
Mon-Fri; 0630-0830Z++, 1400-1535Z++ Sat; 1100-2100Z++ Sun, OT O/R. Opr hr may be
reduced around hol by NOTAM.

NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS - BRG 289° LCZR SL 108.1 GS 2.86° LOM OL 415. ➔ **ILS** - LCZR LSL 108.7
GS 3.25° LOM SC 300.

SAADAH, YM **NDB** - HHW 267.000 SYE N16°58.00' E43°43.67' Unk/1°56.5'E Opr SR-SS
H-14F, L-20G

SAANEN, (GSTAAD) SZ **LSGK** PVT N46°29.25' E7°15.05' 3307 UTC+1(+2DT) **L-9A**
RWY-08 (4593x131 ASP PCN 20 F/C/Y/T) **RWY-26**
3576→ ←3543

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0700Z++-SS but not later than 1900Z++. **RSTD** - PPR. **CAUTION** - Ldg
difficult due to mt lctn. **CSTMS/AG/IMG** - PPR 2 hr ARR/DEP.

COMMUNICATIONS - AFIS - 119.425

SAARBRUCKEN, (ENSHEIM) GM **EDDR** CIV N49°12.87' E7°06.57' 1058
UTC+1(+2DT) **VFR, H-6H, L-6G**
(B) **RWY-09** L2,4,5,9,42,50 (6562x148 ASP PCN 58 F/A/X/T) L2,4,5,11,50 **RWY-27**
6476→ **RWY-09L** (1788x164 GRS AUW12.5) **RWY-27R**

SERVICE - LGT - PAPI Rwy 09 GS 3.2° MEHT 52', Rwy 27 MEHT 52'. **FUEL** - (NC-100LL,
A1)

REMARKS - Opr 0500-2130Z++. **CAUTION** - Possible wake turb.

COMMUNICATIONS - ATIS - Opr 0450-2120Z++ 125.3 **TWR - (V)** 118.35 118.55
LANGEN INFO - 123.525 **LANGEN RADAR - (R) (E)** 129.675 256.675 371.675

NAVAIDS - SAARBRUCKEN DME - T SAD CH 114(Y) (025/10) N49°12.75' E7°06.96' At Fld.
1088/0°22.8'E **SAARBRUCKEN NDB** - MHW 343.000 SBN N49°13.13' E7°07.10' At Fld.
1058/0°22.8'E Unmto 2200-0600Z++ **ENSHEIM NDB/LOM** - MHW 360.000 SR
N49°13.07' E7°13.17' 267° 4.3 NM to Fld. Unk/0°24.6'E
SBN NDB unuse 050°-060° byd 15NM
060°-165° byd 20NM
165°-240° byd 25NM
240°-050° byd 20NM
035°-050° byd 08NM
260°-270° byd 11NM
SR NDB unuse All other sectors byd 15NM

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ILS/RADAR - ILS - ILS 27 rel up to 18 NM \pm 10°, up to 10 NM \pm 35°, GP usable btn 8° S and 5° N. Operational coverage 25 NM.

SABADELL, SP **NDB** - MHW 367.000 SBD N41°31.16' E2°06.18' Unk/0°36.9'W
DVORW-DME - HA 112.000 SLL CH 57 N41°31.19' E2°06.59' 187° 13.4 NM
to BARCELONA. 499/0°36.8'W
SLL DVORW-DME unuse 060°-100° all alt
170°-190° all alt

H-15A, L-11C

SABAH 74, LY **NDB** - MHW 245.000 PRB N28°13.00' E18°07.00' Unk/1°51.9'E
H-10F-12F, L-19D

SABIHA GOKCEN, TU **LTFJ** CIV N40°53.91' E29°18.55' 312 UTC+2(+3DT)
H-4H, L-15A

(B) **RWY-06** L2,3,4,5,10,50

(9843x148 CON PCN 100 R/A/X/T)

L4,5,13,50 **RWY-24**

REMARKS - CAUTION - Bird haz.

COMMUNICATIONS - ATIS - 128.55 **TWR - (E)** 118.8 120.925 122.1 122.625 243.1
378.775 **GND** - 121.75

NAVAIDS - SABIHA GOKCEN VORW-DME - L 108.800 SBH CH 25 N40°53.98' E29°19.22'
At Fld. 328/4°17.5'E **SABIHA GOKCEN NDB** - MHW 347.000 SAB N40°53.97' E29°19.22'
At Fld. Unk/4°17.5'E

ILS/RADAR - ILS-DME 06, 24.

SABZEVAR NATIONAL, IR **OIMS** CIV N36°10.08' E57°35.71' 3010 UTC+3:30
H-13D, L-17C

RWY-09

(10428x148 ASP PCN 49 F/C/X/T)

RWY-27

SERVICE - FUEL - (NC A1)

REMARKS - Opr HO.

COMMUNICATIONS - INFO - 118.15 121.9

NAVAIDS - SABZEVAR VORW-DME - HA 117.000 SBZ CH 117 N36°10.19' E57°34.26' 091°
1.2 NM to Fld. 3010/(A)3°0.0'E **SABZEVAR NDB** - HHW 255.000 SBZ N36°10.31'

E57°35.60' At Fld. 3010/3°50.0'E

SBZ VOR-DME unuse byd 25 NM

000°- 050° blw 8000'

050°- 150° blw 6500'

150°- 180° blw 9500'

180°- 220° blw 7000'

220°- 270° blw 5500'

270°- 360° blw 9000'

SACE, IT See BIELLA CERRIONE

SADDAM INTL, IZ See BAGHDAD INTL

SADIQ ABUBAKAR III INTL, (SOKOTO) NI **DNSO** CIV N12°54.98' E5°12.43'
1010 UTC+1 **H-11D, L-19D**

RWY-08 L4,10,43,55

(9844x197 ASP 737)

L4,10,43,55 **RWY-26**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0600-2300Z.

COMMUNICATIONS - SOKOTO TWR - 122.1 124.5 **REMARKS:** (APP CON Svc)

NAVAIDS - SOKOTO DVORW-DME - HA 113.900 SOK CH 86 N12°55.27' E5°13.76' 258°
1.3 NM to Fld. 1004/1°46.0'W

ILS/RADAR - ILS-DME - BRG 079° LCZR 109.5 CH 32 GS 3°

SAFI, MO **NDB** - HHW 395.000 SFI N32°17.85' W9°09.90' Unk/3°48.5'W **H-9A, L-13B**

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SAGRES, PO **DVORW-DME** - HA 113.900 SGR CH 86 (250/50) N37°05.03' W8°56.78'
500/3°49.6'W **H-16H, L-11A-13B**

SAGUNTO, SP **NDB** - HW 356.000 SGO N39°40.45' W0°12.47' 231° 16.8 NM
to VALENCIA. Unk/1°10.6'W **H-15A-16I, L-11C**

SAGVAR, HU **DVORW-DME** - HA 117.700 SVR CH 124 N46°49.69' E18°07.07' 335°
16.2 NM to SZENTKIRALYSZABADJA. 418/(A)2°00.0'E **NDB** - HHW 348.000 SVR
N46°49.79' E18°07.03' Unk/3°06.6'E **H-4E, L-10F**

SAHAND, IR **OITM** CIV N37°20.88' E46°07.67' 4396 UTC+3:30 **H-13B, L-15D-17A**
RWY-08 L3,4 (9614x98 ASP PCN 20 F/C/Z/T) L3,4**RWY-26**
8466→ ←8105

REMARKS - Opr SR-SS. **CAUTION** - Animal haz.

COMMUNICATIONS - **INFO** - 127.45

NAVAIDS - **SAHAND NDB-DME** - MHW 363.000 SHD CH 107 N37°20.76' E46°08.56'
At Fld. 4382/4°38.0'E

ST. ABBS, UK **VORW-DME** - HA 112.500 SAB CH 72 (050/50) N55°54.45' W2°12.38'
760/(A)5°00.0'W (200/50 in sctr 048° -138°; 100/50 in sctr 243°-288°) **H-2E-3D-5A, L-3C**

ST AGNANT, FR **LFDN** CIV N45°53.27' W0°58.98' 60 UTC+1(+2DT) **H-7A, L-8E**
RWY-13 L1,5,9,50 (7480x148 ASP PCN 44 F/C/W/T) L1,5,9,27,50**RWY-31**

SERVICE - FUEL - Avbl 0800-1100Z++, 1230-1600Z++ Mon-Thu; 0800-1100Z++,
1230-1400Z++ Fri; HX Sat, Sun and hol. (NC-100LL, A1)

REMARKS - Opr 0800-1600Z++ Mon-Thu, 0800-1400Z++ Fri exc hol. **RSTD** - NORDO
proh.

COMMUNICATIONS - ROCHEFORT TWR - . 119.3 **ROCHEFORT INFO** - 119.3 **REMARKS**:
Opr 0730-0800Z++, 1600-1630Z++ Mon-Thu; 0730-0800Z++, 1400-1510Z++ Fri. PPR 48 hr
Sat, Sun and hol.

ILS/RADAR - ➔**ILS** - BRG 306° LCZR ROC 110.5 GS 3° LCTR ROC 396.

ST ANGELO, (ENNISKILLEN) UK **EGAB** CIV N54°23.93' W7°39.10' 155 UTC 0(+1DT)
L-3B

RWY-15 L50 (4350x98 ASP PCN 9 R/C/X/T) L50**RWY-33**
4022→ ←3257

SERVICE - LGT - **CAUTION** - Rwy 33 PAPI vis signals are not to be used for APP GS guidance
til acft is aligned with rwy; Rwy 15 GS 3.5°, Rwy 33 GS 4.5°. **FUEL** - (NC-100LL,A1) **OIL** -
O-123

REMARKS - Opr 0900-1700Z++ Tue-Sun, OT by arng. **RSTD** - PPR. NORDO proh. Twy parl
to and on both sides of Rwy 15-33 are unuse. **CSTMS/IMG** - CSTMS ltd svc by arng.

COMMUNICATIONS - **RDO** - 123.2

NAVAIDS - **ENNISKILLEN NDB** - MHW 357.500 EKN N54°23.65' W7°38.60' At Fld.
Unk/5°57.1'W

ST ATHAN, UK **EGDX** MIL N51°24.29' W3°26.15' 163 UTC 0(+1DT) **H-3C, L-4F**
RWY-08 L5,41,50 (5988x141 ASP) L5,41,50**RWY-26**
←J-BAR RAF (59° OVRN) HOOK RHAG(B) (1300')
HOOK RHAG(B) (1300') J-BAR RHAG (59° OVRN) →

SERVICE - LGT - PAPI Rwy 08-26 GS 2.5°. **A-GEAR** - RHAG MK-1(B) nml opr, apch down,
ovrn up. 5 min rqr to alter RHAG pos. **JASU** - (1)E1 (1)E4 (1)E12 (1)15 (1)A4 **FUEL** - 100LL,
A1+ **FLUID** - LHOX LOX **OIL** - O-123-147-149-156

REMARKS - Opr 0830-1700Z++ Mon-Thu, 0830-1600Z++ Fri. (24 hr PPR). **RSTD** - Due to
the lctn of Cardiff, only str-in app are auth.

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COMMUNICATIONS - ATIS - 340.45 **APP - (R) (E)** 126.625 277.6 251.375 **REMARKS:** All inbd acft call CARDIFF APP CON 5 min before CTLZ, if unable call ST ATHAN APP CON 125.85 277.225 **NOTE**--Due to VHF interference on 122.1, use full CS, also NATO UHF is preferred for R T com. **TWR - (E)** 118.125 231.8 257.8X **GND - (E)** 241.125 **CARDIFF ATIS** - 132.475

NAVAIDS - **ST ATHAN TACAN** - T SAT CH 95 (100/50) N51°24.38' W3°26.10' At Fld. 178/3°31.8'W Freq TACAN unlocks may occur btn 110° and 010° clockwise.. **UHF/DF**

SAINT CATHERINE, FR LFKC CIV N42°31.85' E8°47.59' 209 UTC+1(+2DT)

H-7C-15B, L-11D-12E

RWY-18 L7,9,50

(7579x131 CON

S88 T125 ST159 TT231)

L7 RWY-36

←6923

SERVICE - AOE **LGT** - PAPI Rwy 18 MEHT 52'. **FUEL** - Avbl 0900-1200Z, 1500-1800Z; (0700-1100Z, 1300--1700Z sum). 1 hr PN rqr. (NC-100LL, A1)

REMARKS - Opr 0645Z++ - SS+30

COMMUNICATIONS - **CALVI ATIS** - Opr H24 131.175 **CALVI TWR** - 120.8 123.2 (120.8 ATC instr) **CALVI GND** - 121.7

NAVAIDS - **CALVI NDB** - HHW 375.000 CV N42°34.62' E8°48.39' 192° 2.8 NM to Fld. Unk/1°00.6'E **VHF/DF**

ILS/RADAR - ➔ **LOC-DME** - BRG 179° CV 109.5 CH 32

ST CATHERINE INTL, EG HESC CIV N28°41.12' E34°03.75' 4368 UTC+2(+3DT)

H-14E-16G, L-16F

RWY-17

(6939x118 ASP PCN 40 F/B/W/U)

RWY-35

REMARKS - Opr SR-SS.

COMMUNICATIONS - **RDO** - 5790 3175 (3175 sby) **TWR** - 122.8 121.9

NAVAIDS - **ST CATHERINE NDB** - HHW 262.000 CAT N28°41.06' E34°03.60' At Fld. 4440/3°21.1'E

SAINT CHRISTOL, FR NDB - MHW 348.000 SCL N44°03.04' E5°30.21' Unk/0°10.8'E L-11D

ST DENIS DE L HOTEL, FR LFOZ CIV N47°53.82' E2°09.80' 396 UTC+1(+2DT)

L-7C

RWY-05 L7,50

(4567x98 ASP PCN 21 F/C/W/T)

L7,9,50 RWY-23

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0730-1100Z++, 1330-1700Z++ Mon-Fri exc hol; OT PPR before 1600Z++ prev bus day. **RSTD** - NORDO proh. **CSTMS/IMG** - CSTMS/IMG PPR 24 hr.

COMMUNICATIONS - **INFO** - 122.4 **REMARKS:** Opr 0730-1100Z++, 1330-1700Z++ Mon-Fri exc hol; OT PPR before 1600Z++ prev bus day.

ST. DIZIER, FR TACAN - HA SDI CH 87 (060/25) N48°38.22' E4°53.35' At ROBINSON. 492/(A)2°00.0'W **NDB** - MHW 373.000 SDI N48°37.74' E4°54.64' At ROBINSON. Unk/0°14.9'W (50 NM-W) **UHF/DF H-6G, L-6F**

SAINT EXUPERY, FR LFLC CIV N45°43.58' E5°05.45' 821 UTC+1(+2DT) **H-7B, L-8H**

RWY-18L L2,5,9,50

(8760x148 ASP

L5,9,27 RWY-36R

S139 T199 ST175 TT361)

RWY-18R L2,4,5,50

(13124x148 ASP

L3,4,5,9,27 RWY-36L

S139 T199 ST175 TT361)

SERVICE - AOE **LGT** - PAPI Rwy 18L MEHT 52, PAPI Rwy 18R MEHT 68'. **FUEL** - Avbl H24, 80 min PN rqr 0030-0430Z++ Mon-Sat; 2200-0430Z++ Sat-Mon. (NC-A1)

REMARKS - **NS ABTMT** - See AP/2 Supplementary Arpt Info.

COMMUNICATIONS - **ATIS** - 126.175 **LYON APP - (R)** 120.225 125.425 125.8 133.15 136.075 (125.425, 125.8, 133.15 and 136.075 to FL200) **TWR** - 120.45 340.6 **GND** - 121.825 **PREFLIGHT** - 121.7 **INFO** - 135.2

NAVAIDS - **LYON/SAINT EXUPERY VORW-DME** - HA 114.750 LSE CH 94(Y) (100/50) N45°44.73' E5°05.43' 181° 1.1 NM to Fld. 821/(A)1°0.0'W (140/50 135°-255°) **VHF/DF**

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ILS/RADAR - ➔ **ILS-DME** - 36L BRG 358° LCZR SAN 110.75 CH 44(Y) GS 3° LCZR LYS 405. ➔
ILS-DME - 18L BRG 177° LCZR LSS 109.1 CH 28 GS 3°. ➔ **ILS-DME** - 36R BRG 358° LCZR
LSN 111.5 CH 52 GS 3°. ■ **LYON RADAR** - ASR - (119.25 to FL100) 120.225 125.8 (127.575
to FL150)

ST FLORENT, FR **LFOD** CIV N47°15.41' W0°06.91' 269 UTC+1(+2DT) **L-7C**
RWY-10 L7,9 (4757x98 ASP S23)

L7 RWY-28
←4298

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0800-1030Z, 1300-1600Z 1 Oct to 31 Mar; 0700-1000Z, 1200-1600Z 1 Apr
to 30 Sep exc Wed, Sun and hol. Extn possible with 24 hr PN. **RSTD** - NORDO proh.

COMMUNICATIONS - SAUMUR INFO - 120.6.

NAVAIDS - SAUMUR NDB - HW 372.000 SR N47°15.57' W0°06.86' At Fld. Unk/1°43.3'W
(50 NM-W)

SAINT FLOUR/COLTINES, FR **TVORW** - HA 109.800 SFC (025/10) N45°03.99'
E2°59.45' At COLTINES. 3222/0°33.0'W **H-7B, L-8G**

ST GALLEN ALTENRHEIN, SZ **LSZR** CIV N47°29.10' E9°33.65' 1306
UTC+1(+2DT) **H-6I-7C, L-6H-9B**

RWY-10L (1969x75 GRS)

RWY-10R L5,50 (4922x98 ASP PCN 30 F/C/Y/T)

RWY-28R
L5,50 RWY-28L
←4676

SERVICE - AOE LGT - PAPI Rwy 10R GS 4° MEHT 21', PAPI Rwy 28L GS 4° MEHT 26'.

FUEL - (NC 100LL, A1) **FLUID** - Ltd De-ice svc avbl dur opr hr. OT O/R. OX avbl.

REMARKS - Opr 0600-1100Z++, 1230-1900Z++ Mon-Fri; 0700-1100Z++, 1230-1900Z++
Sat; 0900-1100Z++, 1230-1900Z++ Sun and hol. IFR flt opr 0530-1100Z++, 1230-200Z++
Mon-Fri; 0630-1100Z++, 1230-1900Z++ Sat; 0900-1100Z++, 1230-1900Z++ Sun and hol.
OT OPS and svc avbl by PPR. **CAUTION** - Hi bird act in vcnty of arpt. **NS ABTMT** -
Reverse thrust usage allowed only for safety or OPS reason.

COMMUNICATIONS - ATIS - 123.775 **ZURICH RADAR** - H24 (R) (V) 133.9

ZURICH ARR - H24 (R) (V) 119.925 **TWR** - (V) 118.65 119.7 **GND** - 121.8

NAVAIDS - VHF/DF

ILS/RADAR - ➔ **ILS** - BRG 098° LCZR IAL 108.75 CH24(Y) GS 4°, LCZR offset .78° left (displ
95° RCL).

ST GATIEN, FR **LFRG** CIV N49°21.92' E0°09.26' 479 UTC+1(+2DT) **H-6F, L-7C**
RWY-12 L5,9,50 (8366x148 ASP PCN 39 F/C/W/T)

L5,9 RWY-30
←6988

SERVICE - AOE FUEL - Avbl 0700-1900Z++. OT O/R before 1500Z++. Fone C02 31 65 65
65. (NC-100LL, A1).

REMARKS - Opr 0500-2200Z++ Mon-Fri; 0500-1900Z++ Sat; 0700-2130Z++ Sun,
0700-1900Z++ hol; extn possible, fone C33-02-31-65-65-31. **MISC** - Address FPL to
LFRGPZX and LFRSZPZX. Class D Airspace 0700-1900Z Mon-Fri, 0800-1900Z Sat, Sun,
hol. OT Class G airspace.

COMMUNICATIONS - ATIS - 136.15 **DEAUVILLE APP** - (R) 120.35

DEAUVILLE TWR - 118.3 **DEAUVILLE INFO** - 119.825 120.35 Up to FL55

NAVAIDS - DEAUVILLE VORW - HA 110.200 DVL (060/50) N49°18.64' E0°18.76' 301°
7.0 NM to Fld. 497/(A)3°0.0'W **VHF/DF**

ILS/RADAR - **ILS-DME** 30

SAINT GEOIRS, FR **LFLS** CIV N45°21.78' E5°19.76' 1302 UTC+1(+2DT)
H-7B, L-8H-9A

RWY-09 L5,9,27 (10007x148 ASP
S162 T185 ST175 TT300)

L7,9,50 RWY-27

SERVICE - AOE LGT - PAPI Rwy 27 MEHT 52'. **FUEL** - Avbl 0630-1900Z++ Mon-Sat,
0800-1930Z++ Sun and hol, OT PPR. (NC-100LL, A1)

REMARKS - Opr 0630-2000Z++ Mon-Sat, 0800-2000Z++ Sun.

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COMMUNICATIONS - GRENOBLE ATIS - 125.725 **GRENOBLE APP** - 119.3 120.4

GRENOBLE TWR - 119.3 **GRENOBLE GND** - 121.925

NAVAIDS - VHF/DF

ILS/RADAR - ➔ **ILS** - BRG 092° LCZR SG 109.7 GS 3° LCTR WS 291

SAINT HUBERT MIL, BE **EBSU** MIL N50°02.15' E5°24.25' 1930 UTC+1(+2DT)

H-6H, L-6F

RWY-07

(8528x147 CON)

RWY-25

ST. INGLEVERT, FR **NDB** - HW 387.000 ING N50°52.99' E1°44.51' 475/1°31.0'W (50 NM-W) **H-6F, L-4H**

ST JACQUES, FR **LFRN** CIV N48°04.17' W1°44.09' 124 UTC+1(+2DT) **H-7A, L-7B**

RWY-10L5,9,50

(6890x148 ASP PCN 38 F/C/W/T)

L5,23 **RWY-28**

6660➔
RWY-14

(2788x98 ASP)

RWY-32

SERVICE - AOE **LGT** - PAPI Rwy 10 GS 3.75° MEHT 52'. **FUEL** - Avbl 0500-1100Z++, 1300-1800Z++, 2000-2100Z++ Mon-Fri; 0500-1100Z++, 1300-1800Z++ Sat; 1300-1700Z++ Sun and hol. (NC-100LL, A1)

COMMUNICATIONS - RENNES ATIS - 136.4 **RENNES APP - (R)** 124.9 134.0 (124.9 North Sctr)(134.0 South Sctr) **RENNES TWR** - 120.5 **RENNES GND** - 121.725

NAVAIDS - RENNES VORW-DME - HA 109.250 REN CH 29(Y) (040/25) N48°04.15' W1°44.50' At Fld. 126/(A)4°0.0'W **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 283° LCZR RS 110.1 CH38 GS 3° LCTR RS 349. GS az rcpt ltd to 5° rgt of final lczr crs az. DME ltd to 20 NM.

SAINT LOUIS, SG **GOSS** CIV N16°03.05' W16°27.79' 9 UTC 0 **H-11B, L-19A**

RWY-01

(4300x125 GRE)

RWY-19

RWY-18L55

(6230x100 ASP PCN 32 F/C/W/T)

L55 **RWY-36**

SERVICE - FUEL - 1 hr PN rqr. (NC-100LL, A1)

REMARKS - Opr 0700-1900Z Mon-Sat. O/R 12 hr PN to GOSSYDYX. Sun and hol O/R 24 hr PN to GOSSYDYX. **CSTMS/IMG** - CSTMS avbl O/R.

COMMUNICATIONS - TWR - 118.7 **RDO** - 5680

NAVAIDS - SAINT LOUIS NDB - MHW 355.000 SLO N16°02.94' W16°27.43' At Fld. 68/8°06.4'W

ST MAWGAN, UK **EGDG** MIL N50°26.43' W4°59.72' 390 UTC 0(+1DT) **H-3C, L-4E**

(B) **RWY-13**L4,5,41,50,53

(9006x285 ASP PCN 62 F/B/W/T)

L4,5,24,50,53 **RWY-31**

HOOK RHAG(B) (1402')

HOOK RHAG(B) (1704')

SERVICE - AOE **LGT** - ABn, red coded SM. **JASU** - 1(A4) 1(E1) 1(E5) 1(E11) 1(E12) 1(E16).

FUEL - A1+ **FLUID** - HPOX LOX, De-Ice. **OIL** - O-128-147-149-156

REMARKS - Opr 0650-2359Z++ Mon-Thu, 0650-2200Z++ Fri-Sun. **RSTD** - 24 hr PPR.

CAUTION - Bird haz.

COMMUNICATIONS - ATIS - 234.1 **APP - (R) (E)** 128.725 122.1X 235.025

DIRECTOR - 125.55 344.0X 277.875 **TWR - (E)** 123.4 122.1X 308.8 **GND** - 241.875

OPS - 275.3 **ZONE** - 258.975

NAVAIDS - LANDS END VORW-DME - HA 114.200 LND CH 89 (200/50) N50°08.18' W5°38.22' 058° 30.7 NM to Fld. 800/(A)5°00.0'W (300/70 235°-010°)

ST MAWGAN TACAN - HA SMG CH 73 (060/50) N50°26.07' W5°01.82' 080° 1.4 NM to Fld. 323/(A)5°00.0'W (200/50 145°-025°) **ST MAWGAN NDB** - MHW 356.500 SM

N50°26.89' W4°59.67' At Fld. Unk/3°57.9'W **VHF/UHF/DF**

ILS/RADAR - ILS - MP 0900-1200Z++ 2nd Wed. **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA. ■ ASR - Call DIRECTOR. (E) 125.55 277.875 344.0x

SAINT MORITZ, SZ See SAMEDAN

B-378 AIRPORT/FACILITY DIRECTORY

SAINT NAZAIRE/MONTOIR, FR NDB - HW 398.000 MT N47°20.03'
W2°02.67' 253° 4.5 NM to MONTOIR. 67/2°23.0'W **H-3B-7A, L-7B**

ST. PREX, SZ DVORW-DME - HA 113.900 SPR CH 86 (100/50) N46°28.12' E6°26.88'
1252/(A)0°00.0'E **H-7C, L-9A**

SAINT SAUVEUR, FR LFSX MIL N47°46.99' E6°21.84' 913 UTC+1(+2DT)
H-6H-7B, L-6G
(B) **RWY-04** (7596x118 ASP S28 T42 TT85) **L43 RWY-22**
A40 UNK (EOR)
RWY-11 L7,9,27,50 (7982x148 ASP S60 T79 ST100 TT153) **L7,9,50 RWY-29**
A40 UNK (EOR) HOOK UNK (1335') HOOK UNK (1417') A40 UNK (EOR)

SERVICE - LGT - Bcn avbl O/R. PAPI Rwy 11 GS 2.5° MEHT 56', PAPI Rwy 29 MEHT 45'.
FUEL - 24 PPR. 100LL, A1+ **FLUID** - LOX **OIL** - O-156
REMARKS - Opr 0730-1615Z++ Mon-Thu; 0730-1400Z++ Fri, Sat, Sun and hol; OT O/R before 1200Z++ prev working day. **RSTD** - PPR. Fone C33.3.84.93.84.22 extn 82355. PPR Nr rqr in block 18 of FPL. **CSTMS/IMG** - CSTMS avbl O/R to Belfort. **MISC** - Rwy 11-29 grooved.

COMMUNICATIONS - LUXEUIL APP - (R) (U) 129.925 142.45 284.975 342.275 362.3
LUXEUIL ARR - 397.025 **LUXEUIL TWR - (U)** 122.1 141.975 246.875 257.8 336.625
NAVAIDS - LUXEUIL VORW - HA 117.100 LUL (060/50) N47°41.30' E6°17.73' 027° 6.3 NM to Fld. Unk/(A)1°00.0'W (80/50 315°-045°) **LUXEUIL TACAN** - HA LXI CH 19 (060/25) N47°46.99' E6°21.43' At Fld. 913/(A)1°0.0'W **LUXEUIL NDB** - HHW 363.500 LXI N47°47.79' E6°22.51' At Fld. 913/0°14.0'E **UHF/DF**
ILS/RADAR - ➔ **ILS** - BRG 113° LCZR LXI 108.1 GS 2.5° **RADAR** - ASR - Call LUXEUIL RADAR - 139.85 142.45 281.275 336.1 345.075 362.3 PAR - Call GCA -(Ux)142.525 123.3x 250.275 312.475

ST. TROPEZ, FR VORW-DME - HA 116.500 STP CH 112 (200/50) N43°13.17' E6°36.11' 1089/(A)1°00.0'W (100/50N) **H-7C-15B, L-11D**

SAINT YAN, FR LFLN CIV N46°24.75' E4°00.80' 796 UTC+1(+2DT) **H-7B, L-8G**
RWY-15L L5,9,50 (6660x148 CON PCN 19 F/C/W/T) **L5,9,27,50 RWY-33R**
RWY-15R (4921x98 CON PCN 23 F/C/W/T) **RWY-33L**
←4626

SERVICE - LGT - PAPI Rwy 15L MEHT 53', Rwy 33R MEHT 57'. **FUEL** - Avbl 0700-1700Z++ Mon-Fri exc hol. OT 72 hr PPR. Form 19 coupon avbl 0700-2300Z++ Mon-Fri exc hol. (NC-100LL)
REMARKS - Opr 0800-2200Z Mon-Fri exc hol (0700-2300Z Mon-Fri exc hol Sum). OT 72 hr PPR. Fone C03 85 26 60 61. **CSTMS/AG/IMG** - CSTMS avbl 0600-2300Z++ Mon-Fri with 24 hr PN; Sat, Sun and hol O/R last working day before 1600Z++.
COMMUNICATIONS - ATIS - 132.475 **APP** - 119.5 123.4 **TWR** - 122.3 **GND** - 121.8
NAVAIDS - VHF/DF
ILS/RADAR - ➔ **ILS-DME** - BRG 329° LCZR SN 111.75 CH54(Y) GS 3° **RADAR** - RADAR - 123.4.

SAISS, (FES SAISS) MO GMFF CIV N33°55.64' W4°58.68' 1900 UTC 0 **H-9B-16H, L-13C**
(B) **RWY-09** L5,50 (10499x148 ASP PCN 53 F/A/W/T) **L5,11 RWY-27**
←9679

SERVICE - AOE FUEL - (NC-100LL, A1)
REMARKS - **RSTD** - 180° turn only at rwy end for over 80,000 lb GWT. Rgt turn aft tkof Rwy 10. Ovft of Royal Palace proh. Ovft of city of Fes proh blw FL 55 exc for ldg and tkof.
COMMUNICATIONS - TWR - (V) 118.6
NAVAIDS - SAISS VORW-DME - HA 115.700 FES CH 104 N33°55.65' W5°00.82' 093° 1.8 NM to Fld. 1873/(A)5°00.0'W
ILS/RADAR - ➔ **ILS** - BRG 277° LCZR LFA 109.7 GS 3° LOM FEZ 315

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SAJOHIDVEG, HU **VORW-DME** - HA 114.400 SAG CH 91 N48°00.48' E20°59.78'
374/(A)3°00.0'E **NDB** - HHW 390.000 SAG N47°59.83' E20°59.26' Unk/3°49.1'E
H-4F, L-10G

SAL, CV **VORW-DME** - HA 115.300 CVS CH 100 (200/50) N16°44.21' W22°57.06'
At AMILCAR CABRAL INTL. 176/10°45.4'W **NDB** - HHW 274.000 SAL N16°42.11'
W22°56.92' 010° 2.4 NM to AMILCAR CABRAL INTL. Unk/10°45.8'W **H-11**

SALALAH, MU **OOSA MIL/CIV** N17°02.32' E54°05.48' 73 UTC+4 **H-14G, L-20H**
(B) **RWY-07** L4,5,13,50 (10965x148 ASP PCN 60 F/A/X/U) L3,4,5,10,50 **RWY-25**
RWY-17 (CLSD 4196x59 GRE) **RWY-35**

SERVICE - FUEL - (NC-A1)

REMARKS - RSTD - 72 hr PPR. **CAUTION** - Bird haz. **MISC** - Copter ldg directly on the civ
apn must land on main conc areas.

COMMUNICATIONS - APP - (R) (V) 119.1 125.1 **TWR - (V)** 118.2 **RDR - (R) (V)** 119.1

NAVAIDS - SALALAH VORW-DME - HA 112.300 SLL CH 70 N17°02.66' E54°05.65' At Fld.

111/(A)0°0.0'E **SALALAH NDB** - HHW 310.000 SAN N17°01.71' E54°05.15' At Fld.

74/0°23.8'E

SLL VOR unuse

SAN DME unuse

270°-300° byd 20 NM blw 6000'

300°-320° byd 30 NM blw 7000'

320°-340° byd 20 NM blw 6000'

265°-275° byd 20 NM blw 6000'

275°-295° byd 20 NM blw 7000'

295°-305° byd 20 NM blw 8000'

305°-315° byd 20 NM blw 9000'

ILS/RADAR - ILS - ILS-DME 25

SALAMANCA, (MATACAN) SP **LESA MIL** N40°57.13' W5°30.12' 2595 UTC+1(+2DT)
H-3A-16I, L-11B

(B) **RWY-03** L6,9,14,50 (8202x197 ASP SWL 59) L6,9,14,50 **RWY-21**
←A30 UNK (52' OVRN)
RWY-08 (6594x400 GRE) **RWY-26**

SERVICE - JASU - MD-3 **FUEL** - (NC-100LL, A1, A1+, J8) **OIL** - O-117-125-156

REMARKS - CSTMS/IMG - Avbl O/R. **MISC** - Rwy 08/26 has 1060' conc section at int of Rwy
03/21. **RWY** - Rwy 08/26 is for mil use only.

COMMUNICATIONS - APP - (V) 124.4 121.4 140.1X 141.3X 257.8 **TWR - (U)** 139.3
118.1 **GND** - 121.85X

NAVAIDS - SALAMANCA VORW-DME - HA 112.200 BBI CH 59 N41°01.01' W5°27.39' 212°

4.4 NM to Fld. 2982/2°53.0'W **SALAMANCA TACAN** - HA TSC CH 80 N40°57.31'

W5°30.15' At Fld. 2595/2°53.7'W **SALAMANCA NDB** - HW 423.000 SCA N40°55.63'

W5°37.00' 078° 5.4 NM to Fld. Unk/2°55.7'W Opr SR-SS Mon-Fri, Sat-Sun OT O/R.

SALAMANCA NDB - HW 399.000 MTN N40°59.33' W5°19.80' 258° 8.1 NM to Fld.

Unk/2°50.3'W **VHF/DF**

ILS/RADAR - ILS - BRG 212° LCZR I-ALR 110.1 GS 3.1° LOM AL 359 ■ **RADAR** - ASR/PAR
- 120.0 142.3 344.0 Opr 0730-1330Z++ with 30 min PN.

SALCEA, RO See STEFAN CEL MARE

SALE, (FIRST ROYAL AFB) MO **GMME MIL/CIV** N34°03.09' W6°45.09' 276 UTC 0
H-9A-16H, L-13C

(B) **RWY-04** L5,50 (11483x148 ASP PCN 64 F/B/W/T) L5,17 **RWY-22**

SERVICE - AOE LGT - ABn flg W ev 10 sec. **FUEL** - (NC-100LL, A1)

REMARKS - RSTD - Ovft of the city of Rabat is proh blw FL 250. PPR for ngt ldg fr arpt chief.
Ngt ldg proh for acft over 330,000 lb. **CAUTION** - Bird haz.

COMMUNICATIONS - APP - (V) 118.9 **TWR - (V)** 118.3 119.7

NAVAIDS - RABAT VORW-DME - HA 116.500 RBT CH 112 N34°03.00' W6°44.78' At Fld.

325/(A)6°00.0'W **RABAT NDB** - HHW 332.000 SBI N34°10.58' W6°39.86' 214° 8.6 NM
to Fld. Unk/2°58.8'W

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ILS/RADAR - ILS

SALEHARD NORTH, RS See SALEKHARD

SALEKHARD, (SALEHARD NORTH) RS USDD CIV N66°35.45' E66°36.66' 218

UTC+5(+6DT) **T2-G, EEA 6F**
RWY-04 L5,9,33,50 (8917x151 CON PCN 31 R/B/X/T) L5,9,33,50 **RWY-22**

REMARKS - Opr 0300-1500Z++. **RSTD** - Afl'd for emerg l'dg of flt opr along the cross-polar rte.

COMMUNICATIONS - **ASR** - Call KRUG. 120.8 **TWR** - Call START. 118.6

NAVAIDS - **SALEKHARD VORW-DME** - HA 113.300 SH CH 80 N66°35.30' E66°36.40'
At Fld. 218/22°41.1'E **SALEKHARD NDB** - HHW 315.000 DM N66°36.70' E66°42.30'
218° 2.6 NM to Fld. Unk/22°42.6'E **SALEKHARD NDB** - HHW 315.000 NA N66°34.00'
E66°30.40' 037° 2.9 NM to Fld. Unk/22°39.8'E

ILS/RADAR - ➔ **ILS** - BRG 037° LCZR INA 111.5 GS 3.0° LOM NA 315 Opr HO. ➔ **ILS** - BRG 217° LCZR IDM 111.3 GS 3.0° LOM DM 315.

SALERNO PONTECAGNANO, IT See PONTECAGNANO

SALI, HR NDB - MHW 421.000 SAL N43°56.27' E15°10.09' 035° 12.8 NM to ZADAR. 72/2°21.3'E **H-4E, L-12F**

SALISBURY, (SALISBURY PLAIN) UK Army A/G - 122.75 282.25 Opr HO.

SALON, FR LFMY MIL N43°36.38' E5°06.56' 195 UTC+1(+2DT) **H-7B-15B, L-11D** **RWY-16** L5,9,50 (6565x148 CON L5,9,50 **RWY-34** S92 T111 ST141 TT217)

A30 500S (EOR) A30 500S (EOR)

SERVICE - **LGT** - PAPI Rwy 16 MEHT 69', PAPI Rwy 34 GS 3.5° MEHT 27'. **FUEL** - Avbl 0600-1700Z++ Mon-Thu, 0600-1500Z++ Fri, OT exp 1hr dly. 100LL, A1+. **FLUID** - LPOX HPOX **OIL** - O-133-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1400Z++ Fri, Sat, Sun and hol O/R before 1300Z++ prev work day. **RSTD** - Proh to all foreign t'fc 0700-0900Z++, 1045-1130Z++ Mon; 0700-0800Z++, 1045-1130Z++ Tue, Thu, Fri; 0700-1130Z++ Wed. PPR 24 hr PN req. File apvl in Nr 18 of FPL. Outside ATS hr 24 hr PPR. PPR fone C33.4.90.53.90.90 extrn 84238.

COMMUNICATIONS - **APP** - Opr 0700-1615Z++ Mon-Fri; OT PPR. **(R) (U)** 135.15 142.175 142.45 234.25 362.3 **TWR** - **(U)** 122.1 135.15 141.25 257.8 296.725 **DEP** - 259.55

NAVAIDS - **SALON TACAN** - HA SAL CH 98(Y) (100/50) N43°36.71' E5°06.17' At Fld. 195/0°5.0'E **SALON NDB** - MHW 334.000 SAL N43°36.64' E5°06.07' At Fld. 195/0°5.0'E (25 NM-W) **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 160° LCZR SAL 110.9 GS 3°. ■ **RADAR** - **ASR** - Call RADAR 142.75 (135.15 Civ) 265.9 284.4 336.1 377.075 PAR - Call GCA 142.75 284.4 377.075.

SALVAZA, FR LFMK CIV N43°12.96' E2°18.38' 433 UTC+1(+2DT) **H-7B-15A, L-11C** **RWY-10** L1,7,9 (6726x148 ASP PCN 45 F/C/W/T) L1,7,9,50 **RWY-28** 6398→ ←6231

SERVICE - **LGT** - PAPI Rwy 28 O/S. Pilot ctl lgt avbl. **FUEL** - Avbl 0530-2130Z++ Mon-Fri; 0700Z++-SS+30 Sat, Sun and hol. (NC-100LL, A1)

REMARKS - Opr HX or by NOTAM. **RSTD** - NORDO proh. Avoid ovft of city. **CSTMS/AG/IMG** - Avbl 0530-2130Z++ Mon-Fri; 0630Z++ to SS+30 Sat; 0700-2130Z++ Sun, hol.

COMMUNICATIONS - **ATIS** - 120.025 **TOULOUSE APP** - Opr H24 **(R)** 123.85 **CARCASSONNE TWR** - 121.0

NAVAIDS - **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 098° LCZR CS 111.1 CH 48 GS 3° LCTR CS 345.

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SALZBURG, (W A MOZART) AU **LOWS** CIV N47°47.60' E13°00.26' 1411 UTC+1(+2DT)
H-6J, L-6I
RWY-16 L2,3,4,5,9,10,50 (9022x148 CON PCN 55 R/B/W/T) L2,4,5,9,13,50 **RWY-34**
8366→ ←8235
SERVICE - AOE **LGT** - PAPI Rwy 16 MEHT 59'. **FUEL** - Avbl 0430-2030Z++ (NC-100LL, A1)
FLUID - Acft de-icing trucks. Max work hgt 41'.
REMARKS - Opr 0400-2200Z++.
COMMUNICATIONS - **ATIS** - Opr 0500-2200Z++ 125.725 **APP** - Opr 0500-2200Z++ (**R**)
(**V**) 123.725 134.975 **TWR** - Opr 0500-2200Z++ (**V**) 118.1 **GND** - Opr 0500-2200Z++
121.75
NAVAIDS - **SALZBURG DVORW-DME** - HA 113.800 SBG CH 85 (060/50) N48°00.15'
E12°53.57' 160° 13.3 NM to Fld. 1494/(A)0°00.0'E VOR MP 0900-1100Z++ 1st Tue. DME
MP 0900-1100Z++ 3rd Tue. **SALZBURG NDB** - HW 382.000 SBG N47°58.05' E12°53.64'
156° 11.4 NM to Fld. Unk/1°58.3'E MP 0800-0930Z++4th Wed. **VHF/DF**
SBG DME unuse byd 60 NM blw 10,000'
ILS/RADAR - ➔**ILS-DME** - BRG 156° LCZR OES 109.9 CH 36X GS 3° LCTR SU 356.

SAMAH, LY **NDB** - MHW 330.000 OA N28°09.90' E19°05.75' Unk/1°59.1'E
H-10F-12F, L-19D

SAMANDIRA, (SARIGAZI) TU **LTBX** MIL N40°59.58' E29°12.99' 400 UTC+2(+3DT)
L-15A
RWY-04 (2506x50 CON) **RWY-22**
RWY-18 (4528x98 CON) **RWY-36**
REMARKS - Opr by NOTAM.
COMMUNICATIONS - **TWR** - 126.0 257.8

SAMBAILO, GV **NDB** - MHW 395.000 SB N12°34.36' W13°21.51' Unk/7°33.3'W Opr
SR-SS. **L-19A**

SAMEDAN, (SAINT MORITZ) SZ **LSZS** MIL/CIV N46°32.04' E9°53.05' 5600
UTC+1(+2DT) **H-7C, L-9B**
RWY-03 L7,12,50 (5905x130 ASP PCN 30 F/C/Y/T) L7,12,50 **RWY-21**
←5545
SERVICE - AOE **LGT** - Rwy lgt, apch lgt and PAPI (GS 4.5°) mil use only. **FUEL** - (NC-100LL,
A1)
REMARKS - Opr 0700Z++-SS or 1800Z++. **RSTD** - PPR. **CAUTION** - Due to glldr act (May -
Oct) a car moves 30' W and parl to Rwy 03/21. **NS ABTMT** - Reverse thrust shall be used
only for safety or OPS rqr. **MISC** - Rwy 03 displ 1312' dur Glldr act May-Oct.
COMMUNICATIONS - **ATIS** - Opr HO. 136.6 **TWR** - Opr HX. 135.325 358.475
GND - Opr HX. 121.6 **GLIDER** - 123.67 122.47 (123.67 A/A) (122.47 A/G)
INFO - Opr HX. 138.05 268.625

SAMOS, GR **LGSM** CIV N37°41.40' E26°54.70' 19 UTC+2(+3DT) **H-15E, L-12H-14H-15A**
RWY-09 L6,12,43 (6706x148 ASP PCN 35 F/D/X/T) L6,43 **RWY-27**
6476→
SERVICE - **LGT** - VASI Rwy 09 ltd to 2 NM and daylt use only. ABn, green coded SAM.
FUEL - (NC-100LL, A1)
REMARKS - HO - opr hrs by NOTAM. **RSTD** - Avoid turning eng, exhausts twd trml, use lo
pwr while taxiing. **CAUTION** - When N winds of 20-25 Kt prevail, mod or severe turb will
be experienced when apch Rwy 09-27. Bird haz. **CSTMS/IMG** - Avbl SR-SS, 4 hr PN.
COMMUNICATIONS - **APP** - (**E**) 122.1 124.1 257.8 **TWR** - (**E**) 122.1 124.1 257.8
RDO - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)
NAVAIDS - **SAMOS VORW-DME** - HA 111.600 SAM CH 53 (040/25) N37°41.20' E26°54.42'
At Fld. 30/(A)2°00.0'E **SAMOS NDB** - HW 375.000 SMO N37°41.12' E26°55.00' At Fld.
Unk/3°38.4'E

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SANAA ACC/FIR, YM OYSC (CIV) CON (EAST SCTR) - (V) 132.2 CON (WEST SCTR) - (V) 125.7 **SANAA RDO** - 11300 5517 7595 **H-14F-G-H, L-20G-H**

SANAA INTL, YM OYSN MIL/CIV N15°28.58' E44°13.18' 7216 UTC+3 **H-14F, L-20G**
(B) **RWY-18** L5,33,50 (10669x148 ASP) L5,12,50 **RWY-36**
HOOK UNK (1630')

SERVICE - AOE **FUEL** - (NC-100LL, A1)
COMMUNICATIONS - **TWR** - (V) 118.9 118.1 **GND** - 121.6

NAVAIDS - **SANAA VORW-DME** - HA 116.100 SAA CH 108 N15°30.00' E44°13.23' 180°
1.4 NM to Fld. 7237/(A)1°00.0'E **SANAA NDB** - HHW 395.000 SAH N15°23.56'
E44°13.12' 359° 5.0 NM to Fld. 7238/1°42.8'E . **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 179° LCZR I-SAN 110.9 CH 108 GS 3°.

SANANDAJ, IR OICS CIV N35°14.75' E47°00.55' 4522 UTC+3:30 **H-13B, L-17A**
RWY-01 (8660x148 ASP) L6,12,50 **RWY-19**

SERVICE - **LGT** - PAPI Rwy 19 GS 3.3°
REMARKS - Opr by NOTAM. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - **INFO** - 128.45 **TWR** - 122.9 121.9

NAVAIDS - **SANANDAJ VORW-DME** - HA 116.500 SNJ CH 112 N35°14.34' E47°00.47'
At Fld. 4522/(A)3°0.0'E **SANANDAJ NDB** - HW 366.000 SNJ N35°15.83' E47°00.56' 176°
1.1 NM to Fld. 4522/4°7.0'E
SNJ VOR-DME unuse byd 25 NM 360°-040° blw 17,000'
040°-080° blw 20,000'
080°-130° blw 21,000'
130°-200° blw 19,000'
200°-330° blw 20,000'
330°-360° blw 15,000'

SANDNESSJOEN/STOKKA, NO See STOKKA

SANDSUND, NO **NDB** - HHW 348.000 SAD N68°05.26' E13°38.22' Unk/2°54.2'E
H-1C, L-1C

SANGAREDI, GV **NDB** - HW 332.000 SG N11°07.70' W13°50.09' Unk/8°06.7'W Opr
SR-SS. **L-19A**

SANIAT RMEL, (TETOUAN SANIAT RMEL) MO **GMTN** CIV N35°35.66' W5°19.20' 10
UTC 0 **H-9B-16H, L-13C**
RWY-06 L6 (7546x148 CON) L6 **RWY-24**

SERVICE - **FUEL** - (NC-100LL, A1)
REMARKS - **CAUTION** - Mand lt turn aft Rwy 24 tkof. **CSTMS/IMG** - CSTMS avbl SR-SS.
OT O/R.

COMMUNICATIONS - **TETOUAN TWR** - Opr SR-SS. 119.0
NAVAIDS - **TETOUAN VORW-DME** - HA 117.300 TTN CH 120 N35°35.70' W5°19.48'
At Fld. 49/2°34.4'W **SANIAT RMEL NDB** - MHW 388.000 TUN N35°36.95' W5°16.75'
240° 2.4 NM to Fld. Unk/2°33.6'W

SANLIURFA, TU LTCH CIV N37°05.66' E38°50.83' 1483 UTC+2(+3DT) **H-13A, L-15C**
(B) **RWY-15** L50,55 (7103x98 ASP PCN 75 F/B/X/T) LA,50,55 **RWY-33**
6447➔

SERVICE - **FUEL** - (NC-A1)
REMARKS - Opr by NOTAM.
COMMUNICATIONS - **TWR** - (V) 122.3 **GND** - 121.9

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NAVAIDS - SANLIURFA VORW-DME - HA 117.700 URF CH 124 N37°05.63' E38°50.68'
At Fld. 1486/(A)4°00.0'E **SANLIURFA NDB** - MHW 415.000 URF N37°05.63' E38°50.68'
At Fld. 1483/4°29.5'E O/S til 31 Dec 2005
URF VOR-unuse 090°-250° byd 15 NM 250°-300° byd 30 NM blw
12,000' -
URF NDB-unuse 180°-360° byd 15NM.

SAN LUIS, SP **LESL** PVT N39°51.73' E4°15.50' 197 UTC+1(+2DT) **H-15A, L-11C**
RWY-02 (6069x148 ASP) **RWY-20**
REMARKS - Opr HX. **RSTD** - Compul coordination with Menorca App/Twr (119.65) prior to
tkof. Maint Menora APP/TWR freq til leaving 20 NM or til ATC clnc. Mand VFR pro for East
arr. **CAUTION** - No ovft village of San Luis. **MISC** - Arpt tfc circuit East of rwy.
COMMUNICATIONS - RDO - 123.5X

S ANNA, IT See CROTONE

SAN PABLO, SP See SEVILLA

SAN SEBASTIAN, SP **LESO** CIV N43°21.39' W1°47.44' 15 UTC+1(+2DT)
H-7A-161, L-11B
RWY-04 L4,6,9,50 (5755x148 ASP PCN 56 F/B/X/U) L4,6,9,50 **RWY-22**
SERVICE - LGT - PAPI Rwy 04 GS 4.75°, PAPI Rwy 22 GS 4.15° **FUEL** - (NC-100LL, A1)
C34-943 668 538 **OIL** - 0-117-123-125-162
REMARKS - Opr 0630-2030Z++. **RSTD** - Ovft of French territory forbidden 2100-0630Z++,
avoid ovft of French territory blw 985'. **CAUTION** - Bird haz. **CSTMS/IMG** - Avbl.
COMMUNICATIONS - APP - 119.85 **TWR - (E)** 119.85 **GND** - 121.7
NAVAIDS - SAN SEBASTIAN DVORW-DME - L 117.900 SSN CH 126 N43°18.67'
W1°49.82' 036° 3.2 NM to Fld. 804/(A)3°00.0'W **SAN SEBASTIAN NDB-DME** - HW
328.000 HIG CH 79 N43°23.18' W1°47.75' 173° 1.8 NM to Fld. 433/1°53.1'W **VHF/DF**
SSN VOR-DME unuse DME 110°-170° all alt
VOR 120°-150° all alt
HIG NDB-DME unuse 110°-140° all alt

SANTA MARGARIDA, PO **LP--/LP77** MIL N39°24.14' W8°17.34' 541
UTC 0(+1DT) **L-11A**
RWY-15 (4085x98 ASP) **RWY-33**
REMARKS - Opr SR-SS. **RSTD** - Mil opr only.

SANTA MARIA ACC, PO **LPPO** (CIV) **CON** - 132.15 132.15 (3023 3023 TMA
CON) **SANTA MARIA - NAT** - 127.90 127.90 17946 17946 **NAT-A - 3016** 3016 **NAT-E**
- 2962 2962 **CLNC DEL** - 132.075 132.075 (Only for Oceanic Clnc req/del)
H-1A, B, L-1B, C-13A

SANTA MARIA, PO Azores I **LPZ** CIV N36°58.28' W25°10.24' 308 UTC-1(0 DT)
H-1A, L-1C
(B) **RWY-04** (CLSD 4345x148 ASP) **RWY-22**
RWY-15 (CLSD 6004x148 ASP) **RWY-33**
RWY-18 L5,11,50 (10000x197 CON) L5,11,50 **RWY-36**
SERVICE - AOE **LGT** - PAPI Rwy 18-36 GS 2.75° MEHT 29'. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0630-2130Z++. Max 2 hr extn with 3 hr PN, exc emerg flts. **RSTD** - Rwy
15-33 and Rwy 04-22 are clsd. **CAUTION** - Bird haz.
COMMUNICATIONS - CON - Opr H24 132.15 **RDO** - Opr H24 (V) 127.9 132.075 (132.075
only for Oceanic Clnc req/del) **APP** - Opr H24 (V) 119.0 (VHF unuse 060°-120°)
TWR - Opr H24 (V) 118.1 **A/G** - Opr H24 3016 8906 13306 6628 8825 11309 17946 5598
2962 13354
NAVAIDS - SANTA MARIA VORW-DME - HA 113.700 VSM CH 84 (200/50) N36°57.77'
W25°09.98' At Fld. 24/9°55.1'W **SANTA MARIA NDB/LMM** - HHW 323.000 SMA
N36°59.80' W25°10.53' 171° 1.5 NM to Fld. 308/9°55.5'W **VHF/DF**
VSM VOR-DME unuse 065°-130° byd 20NM blw 6000'

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ILS/RADAR - ILS - 18

SANTANDER, SP **LEXJ** CIV N43°25.62' W3°49.20' 16 UTC+1(+2DT) **H-3A, L-11B**
RWY-11 L4,5,9,50 (7612x148 ASP PCN 58 F/C/W/T) L4,5,9,50 **RWY-29**

SERVICE - FUEL - (NC-100LL, A1) **OIL** - 0-113-117-125

REMARKS - Opr 0630-2200Z++ **CAUTION** - Pwr line 230' 1.7 NM fr thld Rwy 11. Bird haz.
CSTMS/IMG - Avbl.

COMMUNICATIONS - APP - 118.375 **TWR - (V)** 118.1 257.8 **GND** - 121.7

NAVAIDS - SANTANDER DVORW-DME - HA 115.300 SNR CH 100 N43°26.99' W3°54.14'
115° 3.8 NM to Fld. 164/(A)4°00.0'W **SANTANDER NDB** - HW 416.000 SA N43°26.10'
W3°50.99' 113° 1.4 NM to Fld. Unk/2°33.5'W **VHF/DF**
SNR VOR-DME unuse

DME 070° - 195° byd 40 NM blw 8000'
DME 195° - 245° byd 40 NM blw 9000'
DME 245° - 300° byd 40 NM blw 10,000'
DME 300° - 350° byd 40 NM blw 5000'
DME 350° - 070° byd 40 NM blw 6000'

ILS/RADAR - ➔ ILS-DME - BRG 294° LCZR STA 110.9 CH 46 GS 3°

SANTIAGO, SP **LEST** MIL/CIV N42°53.78' W8°24.91' 1213 UTC+1(+2DT) **H-3A, L-11A**
RWY-17 L3,4,5,27,50 (10499x148 ASP PCN 77 F/A/W/T) L4,5,9,42,50 **RWY-35**
10105→

SERVICE - FUEL - (NC-100LL, A1) **OIL** - 0-125-128

REMARKS - **CSTMS/IMG** - Avbl.

COMMUNICATIONS - APP - 118.2 120.2 358.525 **TWR - (E)** 118.75 257.8
GND - 121.7

NAVAIDS - SANTIAGO VORW-DME - HA 116.400 STG CH 111 N42°55.61' W8°25.52' 171°
1.9 NM to Fld. 1283/(A)5°00.0'W **SANTIAGO NDB** - HW 417.000 SNO N42°54.47'
W8°25.71' At Fld. Unk/4°06.3'W **VHF/DF**
STG VOR-DME unuse

015° byd 25 NM blw 3000'
132° byd 90 NM blw 9000'
200° byd 40 NM blw 4000'

ILS/RADAR - ➔ ILS-DME - BRG 351° LCZR ISO 111.5 CH 52 GS 3° ➔ **ILS-DME** - BRG 171°
LCZR IGO 110.3 CH 40 GS 3° LOM SO 390

SANTORINI, GR **LGSR** CIV N36°23.95' E25°28.76' 127 UTC+2(+3DT)
H-10G-15E, L-14H
RWY-16L L9,49,50 (6972x98 ASP PCN 53 F/B/X/U) L2,9,11,50 **RWY-34R**
NET UNK (262') HOOK 44B-2E(B) (1640') HOOK 44B-2E(B) (1472')

SERVICE - FUEL - (NC-J8)

REMARKS - Opr by NOTAM. **CAUTION** - All lgt rgr 30 min PN. Use low eng pwr at apron.
Parl twy mrk (16R/34L) and ocnl used as a rwy; fst 1312 ft of Rwy 34L not vis fr twr.

COMMUNICATIONS - APP - (E) 118.05 122.1 257.8 **TWR - (E)** 118.05 122.1 257.8
RDO - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++)

NAVAIDS - SANTORINI DVORW-DME - HA 110.400 SNI CH 41 (040/25) N36°23.69'
E25°28.96' At Fld. 181/(A)2°00.0'E **SANTORINI TACAN** - HA SAN CH 111 (070/25)
N36°23.85' E25°28.92' At Fld. 130/3°21.4'E Opr SR-SS, OT 10 min PN rqr. **THIRA NDB** -
HW 307.000 THR N36°24.01' E25°28.83' At Fld. Unk/3°21.4'E

SAO JORGE, PO Azores I **LPSJ** CIV N38°39.93' W28°10.55' 311 UTC-1(0 DT) **L-1B**
RWY-13 L50 (4508x98 ASP) L50 **RWY-31**
4316→ ←4311

REMARKS - Opr 0900-1800Z++ Mon-Fri; Sat, Sun O/R Fri with 4 hr PN. **CAUTION** - Arpt is
not controlled. Clns must be obtained fr Horta, Lajes or Santa Maria Twr.

COMMUNICATIONS - RDO - O/R 2hr PN. 122.3

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SAO MIGUEL, PO **DVORTACW** - HA 114.500 VMG CH 92 N37°50.77' W25°45.48' 156°
6.9 NM to PONTA DELGADA. 2789/10°12.5'W
VMG TACAN unuse 170°-190° byd 40 NM blw 6000'
VMG VORTAC unuse 090°-120° byd 30 NM blw 8000'
H-1A, L-1C

SARAJEVO, BK **LQSA** CIV N43°49.47' E18°19.89' 1708 UTC+1(+2DT) **H-4F, L-12F**
RWY-12 L4,5,11,50 (8666x150 ASP) **L4,5 RWY-30**
8333→ ←7000

SERVICE - FUEL - A1+ (O/R 24 hr PN.) **FLUID** - De-icing avbl.

REMARKS - Opr 0600-2000Z++ or 48 hr PPR. **RSTD** - PPR, acft rqr SLOT TIME fr RAMCC
VINCENZA, IT, 72 hr PN fone C39 444 931 888. PPR for copters 24 hr PN fone C387 33 463
295 extn 213. Before ldg at afld after closing hrs, all aircrews are rqr to ctc Archer Base Twr
and Sarajevo Twr or OPS prior to closing and report time of ldg. Ldg Rwy 12 only, tkof Rwy
30 only. **CAUTION** - Bird haz. No backup electric power supply. **MISC** - Opr H24 O/R for
AIREVAC and special Mil OPS, 60 min PN for F/W, fone RAMCC, VICENZA, IT, C39 444 931
888.

COMMUNICATIONS - APP - 136.45 **TWR** - 118.25 **GND** - 121.9 **GCA** - 119.4

NAVAIDS - SARAJEVO VORTACW - HA 108.850 SAR CH 25(Y) N43°49.49' E18°20.05'
At Fld. 1708/(A)2°00.0'E **SARAJEVO VORW-DME** - HA 116.700 KEB CH 114 N43°56.03'
E18°26.99' 216° 8.3 NM to Fld. 5025/(A)1°00.0'E **SARAJEVO NDB** - MHW 436.000 FRA
N43°49.47' E18°20.04' At Fld. 1707/2°56.6'E **KOBILJACA NDB** - MHW 357.500 KG
N43°52.88' E18°10.62' 114° 7.5 NM to Fld. 1707/2°55.1'E

ILS/RADAR - ILS - BRG 115° LCZR BHS 110.7 GS 3.2°

SARAKHS, IR **OIMC** CIV N36°30.07' E61°03.89' 945 UTC+3:30 **H-13D, L-17D**
RWY-14 (13076x148 ASP PCN 40 F/C/X/T) **RWY-32**

REMARKS - Opr O/R.

NAVAIDS - SARAKHS NDB - MHW 334.000 SRS N36°29.72' E61°04.45' At Fld.
945/3°42.0'E

SARAVAN, (SARAVAN NATIONAL) IR **OIZS** CIV N27°25.16' E62°18.95' 3930 UTC+3:30
L-18H

RWY-13 (7103x98 ASP PCN 20 F/B/W/T)

RWY-31

REMARKS - Opr 0430-1030Z.

COMMUNICATIONS - INFO - 126.775

NAVAIDS - SARAVAN NDB - HW 415.000 SRN N27°24.90' E62°19.53' At Fld.
3930/1°16.1'E

SARI DASHT E NAZ, IR **OINZ** CIV N36°38.15' E53°11.62' 35 UTC+3:30
H-13C, L-17B

(B) **RWY-16** L4,5,50 (8688x148 ASP PCN 50 F/C/X/T)

L4,5 RWY-34

←7001

SERVICE - LGT - PAPI Rwy 16 GS 2.6° **FUEL** - Avbl 0230-1430Z, O/R 48 hr PN rqr. (NC-A1)

REMARKS - Opr 0330-1030Z, OT O/R. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - DASHT E NAZ INFO - 0330Z-SS 126.85 **TWR** - Opr 0330Z-SS. (V)
118.45 121.7 119.6

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NAVAIDS - DASHT-E-NAZ VORW-DME - HA 113.100 DNZ CH 78 N36°38.67' E53°11.42'
At Fld. 35/(A)4°00.0'E **DASHT-E-NAZ NDB** - MHW 362.000 DNZ N36°40.20' E53°10.66'
160° 2.2 NM to Fld. Unk/4°13.1'E
DNZ VOR-DME unuse

- 075°-100° byd 35 NM blw 11,500'
- 075°-105° fr 8-20 NM blw 4000'
- 075°-105° fr 20-30 NM blw 7500'
- 075°-105° fr 30-35 NM blw 11,500'
- 075°-200° wi 8 NM blw 2000'
- 100°-105° byd 35 NM blw 12,500'
- 105°-150° fr 8-15 NM blw 3500'
- 105°-150° fr 15-25 NM blw 6500'
- 105°-150° fr 25-35 NM blw 11,500'
- 105°-150° byd 35 NM blw 12,500'
- 150°-185° fr 8-20 NM blw 4500'
- 150°-185° fr 20-30 NM blw 7000'
- 150°-185° byd 30 NM blw 12,500'
- 185°-210° fr 8-25 NM blw 4500'
- 185°-210° fr 25-30 NM blw 6000'
- 185°-210° byd 30 NM blw 11,000'
- 210°-220° fr 15-30 NM blw 3000'
- 210°-220° byd 30 NM blw 7500'
- 220°-240° byd 30 NM blw 6000'

SARIGAZI, TU See SAMANDIRA

SARIR, LY **NDB** - HHW 305.000 GS N27°39.00' E22°30.00' Unk/2°21.2'E **H-12G, L-20E**

SARMELLEK, HU See BALATON

SARONNO, IT **VORW-DME** - HA 113.700 SRN CH 84 (100/50) N45°38.81' E9°01.37'
815/(A)0°00.0'E MP 0700-0830Z++ 1st Wed. **NDB** - MHW 330.000 SRN N45°38.77'
E9°01.30' Unk/1°01.5'E MP 0700-1000Z++ 2nd Wed.
SRN VOR-DME MRA 000°-360° within 10 NM 2000'
000°-080° btn 10-20 NM 7500'
080°-280° btn 10-20 NM 3000'
280°-360° btn 10-20 NM 6000'
000°-070° btn 20-40 NM 13,000'
070°-090° btn 20-40 NM 10,000'
090°-270° btn 20-40 NM 4000'
270°-360° btn 20-40 NM 12,000'
SRN NDB MRA 25 NM 130°-250° 5000'
250°-130° 13,000'

H-7C, L-9B

SARZANA, IT **TACAN** - L SAZ CH 48 N44°04.53' E9°56.33' 1147/1°15.4'E
SAZ TACAN MRA unuse at 40 030°-110° blw 20,000'
NM 110°-140° blw 15,000'
140°-270° blw 3000'
270°-310° blw 9000'
310°-030° blw 12,000'

H-7C, L-12E

SATENAS, (F 7) SW **ESIB** MIL (CIV) N58°25.59' E12°42.86' 181 UTC+1(+2DT)
H-2G, L-2F
RWY-01 L2,5,24,50 (7428x131 ASP PCN 40 R/C/X/T) L2,5,24,50 **RWY-19**
RWY-11 L5,50 (6342x131 ASP PCN 45 R/C/X/T) L5,50 **RWY-29**
←NET UNK (100' OVRN)

SERVICE - LGT - Mil PAPI all Rwy GS 2.86°. **FUEL** - Avbl O/R dur Twr hr. (NC-J)

REMARKS - Opr PPR, fone C+46 (0)510 47 78 91.

COMMUNICATIONS - CON - (R) (V) 134.55 123.0 **TWR** - Opr 0600-1600Z++ Mon-Fri.

Freq extn of opr hr. **(R) (V)** 128.2 **REMARKS**: Opr hr may be reduced around hol by
NOTAM. **GND** - Opr 0730-1430Z++ Mon-Thu, 0730-1100Z++ Fri. 134.3

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NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS-DME - BRG 184 LCZR IBC 109.5 CH 32 GS 3° LCTR LG 309. ■ **RADAR** - PAR - Call Precision 119.3. For SW mil use only.

SATOLAS, FR See SAINT EXUPERY

SATU MARE, RO **LRSM** CIV N47°42.20' E22°53.14' 405 UTC+2(+3DT) **H-4F, L-10H**
RWY-01L7 (8160x148 CON PCN 35 R/C/W/T) L7,33 **RWY-19**

SERVICE - FUEL - (NC-100LL, J)

REMARKS - Opr 0500-1700Z++ Mon-Fri. OT avbl O/R 24 hr PN. **CSTMS/AG/IMG** - CSTMS, IMG avbl O/R.

COMMUNICATIONS - APP - 118.8 **TWR** - 118.8

NAVAIDS - SATU MARE VORW-DME - HA 108.400 SAT CH 21 N47°43.65' E22°53.63' 189° 1.5 NM to Fld. 405/(A)3°00.0'E **SATU MARE NDB** - HHW 365.000 SAT N47°43.42' E22°53.55' 189° 1.3 NM to Fld. 404/4°10.8'E

SAUMUR, FR **NDB** - HW 372.000 SR N47°15.57' W0°06.86' At ST FLORENT.
Unk/1°43.3'W (50 NM-W) **L-7C**

SAUVETERRE, FR **VORW** - HA 116.800 SAU (060/50) N44°40.61' W0°09.18' 385/(A)3°0.0'W (200/50S) **H-7A, L-8F-11C**

SAVE, (GOTEBORG SAVE) SW **ESGP** MIL/CIV N57°46.48' E11°52.22' 59 UTC+1(+2DT)
H-2G, L-2F
RWY-01L5,50 (6689x131 ASP PCN 30 F/C/X/T) L25,11,50 **RWY-19**
6509→ ←6501
RWY-04 (2858x98 ASP) **RWY-22**

SERVICE - LGT - PAPI Rwy 01 GS 3.15° MEHT 50.8, Rwy 19 MEHT 55.8. **FUEL** - Avbl 0500-2100Z++, OT O/R. (NC-100LL, A1)

REMARKS - RSTD - PPR for acft over AUW 39.6. **NS ABTMT** - All rwy clsd 2100-0600Z++; hosp, rescue and diversions not afct. **CSTMS/IMG** - CSTMS avbl 0600-2000Z++. **MISC** - Ldg fees, INCR charges dur AFIS hr. Civ opr Goteborg Flygplats, fone C+46 (0)31 92 60 60.

COMMUNICATIONS - GOTEBERG CON - (R) (E) 124.675 **TWR** - Opr 0600-2100Z++. **(E)** 119.05 129.1 257.8 **AFIS** - Opr 2100-0600Z++ **(E)** 119.05 129.1 257.8 **RAMP** - Opr 0500-2100Z++ OT O/R. 123.25

NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS-DME - BRG 185° LCZR GP 108.1 CH 18 GS 3° LCTR OS 360.

SAVEH, IR **NDB-DME** - HHW 408.000 SAV CH 99 N35°01.11' E50°22.28' 3264/3°55.5'E
H-13C, L-17B

SAVERNE, FR **VORW-DME** - HA 110.450 SAV CH 41(Y) (060/50) N48°47.77' E7°26.88' 831/(A)1°0.0'E **H-6H, L-6G**

SAVONLINNA, FI **EFSA** CIV N61°56.58' E28°56.71' 311 UTC+2(+3DT)
H-1D-2H, L-1D
RWY-12L5,33,50 (7546x148 ASP PCN 72 F/A/W/T) L5,50 **RWY-30**

SERVICE - FUEL - (NC-100LL, A1) (100LL avbl dur AFIS hr, A1 avbl 12 hr PN) **FLUID** - De-icing avlb thru FinAir C015-523 220.

REMARKS - Opr HO. **CAUTION** - Gldr act using cable winch launches to 2700' AGL. **MISC** - Ldg fees.

COMMUNICATIONS - ATIS - Opr H24. 117.9 **AFIS - (V)** 118.8 119.7

NAVAIDS - LINNA DVORW-DME - HA 117.900 SVL CH 126 N61°57.16' E28°54.84' 115° 1.1 NM to Fld. 343/(A)8°00.0'E **VHF/DF**

ILS/RADAR - ➔ ILS - BRG 117° LCZR SA 109.7 GS 3° LOM SAV 351 GP ltd to ± 4° of cntr line.

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SAYUN INTL, YM OYSY CIV N15°57.97' E48°47.30' 2097 UTC+3 **H-14G, L-20G**
RWY-07 (9843x120 ASP AUW135) **RWY-25**
SERVICE - FUEL - (NC-A1)
REMARKS - Opr SR-SS
COMMUNICATIONS - TWR - (V) 118.4 11300
NAVAIDS - SAYUN NDB - HHW 385.000 SYN N15°57.71' E48°47.17' At Fld. 2300/1°05.3'E
Opr SR-SS.

SCAER, FR LFES CIV N48°03.15' W3°39.88' 574 UTC+1(+2DT) **L-7A**
RWY-03 L1,7 (4921x98 ASP PCN 9 F/C/W/T) L1,7,9 **RWY-21**
SERVICE - LGT - PCL freq 129.8 on PPR arpt mgr fone C02 97 34 00 56. **FUEL** -
(NC-100LL)
REMARKS - Opr HX. **RSTD** - NORDO proh, VFR at ngt rqr Bretagne Regional Delegation
approval. **CAUTION** - Pwr lines 614' hi, 3635' fr apch end Rwy 03.

SCAMPTON, UK EGXP MIL N53°18.47' W0°33.05' 202 UTC 0(+1DT) **H-5B, L-3C**
RWY-04 L5,41,50 (8990x200 ASP) L5,24,50 **RWY-22**
NET RAF (180' OVRN) NET RAF (130' OVRN)
SERVICE - LGT - PAPI Rwy 05 GS 2.5° MEHT 50', PAPI Rwy 23 GS 2.5° MEHT 52'.
A-GEAR - Jet barrier at ea end of rwy.
REMARKS - Hr as rqr by RAFAT. **RSTD** - PPR. **CAUTION** - Ints formation aerobatic practice
wi EGR313. Hi energy maneuvers may take place wi MATZ. Stadium lights up to 98' S and
E of helipad. **MISC** - Use of aftburner when acft are stationary may damage rwy sfc.
COMMUNICATIONS - WADDINGTON APP - 250.85 **CAC** - Call LONDON MIL (R) (E)
299.975 **TWR** - 281.325 **GND** - 278.5
ILS/RADAR - ➔ **ILS-DME** - BRG 046° LCZR SC 108.3 GS 3°. LCZR offset 2° left of cntr line. ■
RADAR - ASR Call TALKDOWN 309.825 379.225 PPR thru Waddington ATC.

SCATSTA, UK EGPM CIV N60°25.97' W1°17.77' 81 UTC 0(+1DT) **L-1B**
RWY-06 L5,38,50 (4462x102 ASP PCN 18 F/B/X/U) L5,38,50 **RWY-24**
4085➔ ←4150
SERVICE - LGT - PAPI Rwy 06 GS 4° MEHT 26', PAPI Rwy 24 GS 3.25° MEHT 23'. **FUEL** -
Avbl with 2 hr PN. (NC-A1)
REMARKS - Opr 0700-1930Z++ Mon-Fri, 0800-1400Z++ Sat. **RSTD** - PPR 2 hr PN. No trng
flt. Do not overfly oil trml area. **RWY** - Rpt LDA for Rwy 06 is 3734'; Rwy 24 is 3832'.
COMMUNICATIONS - APP - 0700-1930Z++ Mon-Fri; 0800-1400Z++ Sat. (R) 123.6
TWR - 0700-1930Z++ Mon-Fri; 0800-1400Z++ Sat. 123.6
NAVAIDS - SCATSTA NDB - MHW 315.500 SS N60°27.61' W1°12.92' 241° 2.9 NM to Fld.
Unk/4°26.7'W
ILS/RADAR - ■ **RADAR** - 122.4

SCHIPHOL, NL EHAM CIV N52°18.52' E4°45.83' -11 UTC+1(+2DT) **H-5C-6G, L-5A**
RWY-04 L6,12 (6608x148 ASP PCN 39 F/D/W/T) L6,12,50 **RWY-22**
RWY-06 L3,4,5,27,50 (11483x148 ASP PCN 82 R/C/X/T) L4,5,50 **RWY-24**
10663➔
RWY-09 L4,5 (11329x148 ASP PCN 95 F/C/W/T) L3,4,5,27,50 **RWY-27**
11035➔
RWY-18L L4,5 (11155x148 ASP PCN 82 R/C/X/T) L3,4,5,27,50 **RWY-36R**
9268➔
RWY-18C L3,4,5,27,50 (10826x148 ASP PCN 82 R/C/X/T) L3,4,5,27,50 **RWY-36C**
←9350
RWY-18R L3,4,5,27,50 (12467x198 ASP PCN 95 F/C/W/T) L4,5 **RWY-36L**
11581➔
SERVICE - AOE **LGT** - Rwy 06 PAPI used only when ILS is O/S. Stopbars at EXIT 1 Rwy 36R
and MIDWAY EXIT Rwy 36R-18L, cros of activated stopbars is proh. Acft may proceed
further when ATC gives perms and the stopbar lgt are off. **FUEL** - A1,(Avbl KLM Jet
Center fone C+31-020-6492455)(NC-100LL). **FLUID** - De-Ice

REMARKS - RSTD - Rwy 04-22 ltd to acft with an AUW less than 67. Functioning DME mand for all IFR. Avoidance of imminent NOISE-ZONE CONFLICT regarding the use of Rwy 27 as main ldg rwy btn 2100-0400Z++. Flt with sked slot aft 0400 and ETA (read as actual ldg time) before 0400. Flt concerned must anticipate delays. Extra fuel for hldg purposes is recommended. Mentioned restrictions do not apply for acft in emerg, SAR or MEDICAL AID STATUS. In case of short taxi times and due to ltd hldg space, Rwy 24, pilots are req to inform GND CON before transfer to TWR if not yet ready for DEP, exp extended taxi routing delays. **CAUTION** - Due to environmental influences the wind rpt for Rwy 36R is unrel. Rwy 36R LDA 9268' fm apch end to displ thld rwy 18L. **NS ABTMT** - See FLIP Planning AP/2. **RWY** - Rwy 18R and 36R are not avbl for dep and Rwy 36L and 18L are not avbl for arr. Rwy 18C, Rwy 24 and Rwy 36R are not avbl for arr from 2100-0400Z++. Rwy 36C and Rwy 18L are not avbl for dep from 2100-0400Z++. Rwy 09/27 and Rwy 04/22 are not avbl for arr and dep from 2100-0400Z++. Reverse thrust above idle shall not be used 2100-0500Z++ on all runways, safety permitting. Deviations from the restrictions for arr on Rwy's 18C, 18L, 09/27, 24 and 36R may be made if no other rwy is avbl or useable.

COMMUNICATIONS - ATIS - 108.4 132.975 122.2 (108.4 132.975 ARR)(122.2 DEP)
APP/DEP - (R) (E) 119.05 121.2 126.675 339.475 369.3 **ARR - (R) (E)** 118.4X 131.15X
TWR - (E) 119.225 118.1 118.275 118.95X 362.3 (119.225 for Rwy 18L/36R)(118.1 for Rwy 18C/36C)(118.275 for Rwy 18R/36L) **GND - (E)** 121.7 121.8 121.9 (121.7 for Rwy 06-24)(121.9 for Rwy 18R)(121.8 for remaining Rwy's) **CLNC DEL** - 121.975 121.65 131.35
REMARKS: Pilots are strongly req, aft obtaining readback for EN-ROUTE clnc, to switch wo ATC instr to START-UP CON 119.9. Schiphol Chan 9-130.15 (Rwy info relating to SIDS dur peak hrs.)

NAVAIDS - SCHIPHOL VORW-DME - L 108.400 SPL CH 21 (060/25) N52°19.93' E4°44.99' 162° 1.5 NM to Fld. 14/0°37.3'W **SPIJKERBOOR DVORW-DME** - HA 113.300 SPY CH 80 (100/50) N52°32.42' E4°51.23' 195° 14.3 NM to Fld. 26/(A)2°00.0'W (150/50 NW)

ILS/RADAR - ILS - SEE TERMINAL FLIP FOR DATA.FOR 06, 18C, 27, 36R DATA. ➔ **ILS** - BRG 184° LCZR VPB 110.1 GS 3° ➔ **ILS** - BRG 223° LCZR SCH 109.15 GS 3° ➔ **ILS** - BRG 04° LCZR SA 108.75. GS 3°

SCHKEUDITZ, GM See LEIPZIG HALLE

SCHLESWIG, (JAGEL) GM ETNS MIL N54°27.56' E9°30.98' 70 UTC+1(+2DT)

H-5C, L-2E
(B) RWY-05 L2,5,33,50 (8003x98 ASP) L2,5,33,50 **RWY-23**
 ←HOOK 44B-2D (15' OVRN) HOOK 44B-2L(B) (1372')
 HOOK 44B-2L(B) (1319') HOOK 44B-2D (15' OVRN) →
RWY-07 (CLSD 6554x148 ASP) **RWY-25**

SERVICE - JASU - 1(GPE-160) 1(RST-180) **FUEL** - J8 **FLUID** - HPOX LOX **OIL** - O-133-148

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - AD 3 hr PPR, 96 hr PPR for trans acft. Practice apch proh fr 1130-1230Z++. Rwy 23: for non-homebased jet acft. Radar pat is mand. Clsd pat proh for non-homebased acft. Practice apch for non-homebased acft ltd to 3. **MISC** - Fone C04624-30-0 extn 1822.

COMMUNICATIONS - BREMEN CON - (R) (E) 128.775 284.4 **RADAR - (R) (E)** 123.3 142.05 135.15X 139.65X 244.45 313.475 344.0 385.4 240.974X **TWR - (E)** 122.1 135.15 257.8 358.9 **BREMEN INFO - (E)** 125.1 376.7

NAVAIDS - SCHLESWIG TACAN - HA SWG CH 55 (080/50) N54°27.22' E9°30.09' At Fld. 105/(A)0°0.0'E **VHF/DF**

ILS/RADAR - ■ RADAR - PAR 123.3 244.45

SCHONEFELD, GM EDDB CIV N52°22.80' E13°31.35' 157 UTC+1(+2DT) **H-5D, L-5D**

(B) RWY-07L L5,50 (8891x148 CON PCN 68 R/B/W/U) L5,34 **RWY-25R**

RWY-07R L2,3,4,5,9,27,50 (9843x148 ASP PCN 140 R/B/W/U) L2,3,4,5,9,27,50 **RWY-25L**

SERVICE - AOE **LGT** - PAPI Rwy 07R MEHT 59.5', PAPI Rwy 07L MEHT 55', PAPI Rwy 25L MEHT 60'. **FUEL** - (NC-100LL, A1)

REMARKS - RSTD - Twy N avbl for acft with max 66' wingspan. Twy K btn Twy J and thld Rwy 25R clsd to acft with wingspan over 164'. Arr advs prior to apch, dep advs prior to taxi. Ldg and tkof proh 2100-0500Z++ exc emerg, evac, and SAR. Successive apch and dep for trng proh. **CAUTION** - Numerous cranes vcnty of rwy all quad. Bird haz. **MISC** - IFR FPL will be filed at least three hr prior to ETD, unless a repetitive FPL has been submitted. Extv reconstruction work close to and on Rwy 07R-25L dur ngt hr.

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COMMUNICATIONS - ATIS - 124.95 60NM to FL200 **BERLIN ARR - (R)** 119.625 126.425 398.575 (119.625 NORTH, STARS to TERDA, LANUM)(126.425 SOUTH, STARS to KLF, FWE, ATGUP) **BERLIN DIRECTOR - (R)** 136.1 121.125X 40NM to FL100 **TWR** - 120.025 127.875X 396.85 **GND** - 121.6 121.8X **BERLIN DEP** - 120.625 119.5X 313.5
BERLIN INFO - (E) 132.65 251.375 **INFO** - 122.7 15NM to 3000 ft AGL.

NAVAIDS - SCHONEFELD DME - T SDD CH 91 (025/10) N52°22.47' E13°30.22' At Fld. 173/2°12.8'E (114.4) **SCHONEFELD NDB** - MHW 362.000 SLN N52°23.56' E13°34.20' 245° 1.9 NM to Fld. Unk/2°14.1'E

ILS/RADAR - ➔ ILS - BRG 067° LCZR ISSE 110.7 GS 3°. ➔ **ILS** - BRG 247° LCZR ISSW 109.9 GS 3°. ■ **RADAR** - ASR - Call Berlin Director - **(E)** 136.0 121.125x. Opr SR-30 - SS+30.

SCHONHAGEN, (TREBBIN) GM **EDAZ** CIV N52°12.20' E13°09.50' 131
UTC+1(+2DT) **L-5D**

(B) **RWY-07 L7** (3937x75 ASP) L7,50 **RWY-25**
2721→ ←3132
RWY-12 (2297x98 GRS AUW12.5) **RWY-30**

SERVICE - LGT - PAPI Rwy 25 GS 4°. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1800Z (0600-1830Z DT); OT PPR. **NS ABTMT** - Rwy 12/30 only in use by assignment of INFO. **CSTMS/IMG** - CSTMS and IMG avbl 0700-1800Z++ Mon-Thu; 0700-1600Z++ Fri. Sat, Sun and hol O/R the prev workday.

COMMUNICATIONS - BERLIN INFO - 132.65 251.375 **INFO** - 122.7

SCHORTENS, GM See JEVER

SCHUPBERG, SZ **NDB** - MHW 356.500 SHU N47°01.31' E7°23.52' 146° 7.8 NM
to BERN BELP. 2215/0°33.6'E **H-7C, L-9B**

SCHWABISCH HALL, GM **EDTY** CIV N49°07.10' E9°47.04' 1311 UTC+1(+2DT)
L-6H

(B) **RWY-10** L5,42,50 (5053x98 CON PCN 30 R/B/Y/T) L2,5,9,42,50 **RWY-28**
4478→ ←4638
RWY-10L (2460x98 GRS) **RWY-28R**

SERVICE - FUEL - (NC-100LL, A1) **FLUID** - De-Ice avbl O/R.

REMARKS - Opr 0600-1900Z++ Mon-Fri; OT PPR 24 hr PN. Lctd on N side of Ctl Twr is Schwabisch Hall-WECKRIEDEN Arpt EDTX, Rwy 08-26 1804' x 98' GRS. **CAUTION** - Ints const act at arpt til 31 Dec 04. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/IMG** - O/R 3hr PN.

COMMUNICATIONS - INFO - 129.225 25NM TO 4000 ft. AGL.

LANGEN RADAR - (R) (E) 125.05 338.65 **LANGEN INFO** - 128.95

NAVAIDS - SCHWABISCH DME - T SHD CH 17(Y) N49°06.99' E9°46.69' At Fld.

1389/1°08.9'E **VHF/DF**
SHD DME

unuse R278 byd 12.5NM
unuse R098 byd 14NM -

ILS/RADAR - ➔ ILS - BRG 262° LCZR I-SWH 111.1 GS 3° LOM SWH 482. ILS O/S.

SCHWECHAT, (VIENNA) AU **LOWW** CIV N48°06.62' E16°34.18' 600 UTC+1(+2DT)
H-4E, L-10F

RWY-11 L2,4,5,9,11,50 (11483x148 ASP PCN 55 F/B/W/T) L2,3,4,5,9,11,50 **RWY-29**
RWY-16 L2,3,4,5,9,11,50 (11811x148 ASP PCN 70 F/A/W/T) L2,4,5,9,11,50 **RWY-34**
8858→

SERVICE - AOE LGT - PAPI Rwy 11 GS 3.1° MEHT 54'. PAPI Rwy 29 MEHT 53'. PAPI Rwy 16 MEHT 50'. PAPI Rwy 34 MEHT 50'. **FUEL** - A1 (TFE Austria, fone C43-22-36-53-233) (NC-100LL) **FLUID** - Ctc Vienna Ice for de-ice svc.

REMARKS - CAUTION - Rescue copter ops at low alt to/fr ASPERN (6.5 NM N thld Rwy 16 on extn RCL Rwy 34 and 1 NM W of extn RCL Rwy 34. **NS ABTMT** - Rwy 29 dep climb tr 294° max grad and turn immed at 1300' MSL wi 4 NM.

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COMMUNICATIONS - ATIS - 121.725 122.95 (121.725 Dep) (122.95 Arr)
WIEN RADAR - (R) (V) 128.2 124.55 129.05 132.475 (FL245 and blw)
DIRECTOR - (R) 119.8 126.55 **WIEN TWR - (V)** 119.4 121.2 123.8 **WIEN GND** - Opr 0600-2100Z++ 121.6 121.77 **WIEN CLNC DEL** - 122.125 **VIENNA ICE** - 131.625
INFO - Opr 0800-evening civ twilight (no later than 2000Z++). 118.525 (VFR advsy svc wi Wien TCA FL245 and blw)
NAVAIDS - FISCHAMEND DVORW-DME - HA 110.400 FMD CH 41 (060/50) N48°06.31' E16°37.76' 275° 2.4 NM to Fld. 639/(A)2°00.0'E VOR MP 0700-0900Z++ 3rd Tue; DME MP 1300-1500Z++ 3rd Tue. **WAGRAM DVORW-DME** - HA 112.200 WGM CH 59 (060/25) N48°19.43' E16°29.46' 165° 13.2 NM to Fld. 574/(A)1°00.0'E VOR MP 1300-1500Z++4th Wed; DME MP 0800-1000Z++4th Tue. **SOLLENAU DVORW-DME** - HA 115.500 SNU CH 102 (060/50) N47°52.49' E16°17.31' 038° 18.1 NM to Fld. 891/(A)1°00.0'E VOR MP 1300-1500Z++2nd Thu. DME MP 0800-1000Z++2nd Thu. Unuse byd 40 NM to N.
SCHWECHAT NDB/LOM - MHW 303.000 WO N48°08.85' E16°27.46' 114° 5.0 NM to Fld. Unk/2°49.7'E **BRUCK NDB** - MHW 408.000 BRK N48°03.78' E16°43.00' 293° 6.6 NM to Fld. 558/2°53.0'E MP 1300-1430Z++ 3rd Fri. **STEINHOF NDB** - MHW 293.000 STE N48°12.64' E16°14.83' 113° 14.3 NM to Fld. 1056/2°47.0'E MP 0800-0930Z++1st Thu. **VHF/DF**
ILS/RADAR - ILS - SEE TERMINAL FLIP FOR ILS-DME RWY 16-34 DATA. ➔ **ILS-DME** BRG 114° LCZR OEW 110.3 CH 40 GS 3° ➔ **ILS-DME** - BRG 294° LCZR OEX 109.55 CH 32 GS 3.1° ■ **RADAR** - ASR - 128.2 119.8 124.55

SCHWEINFURT AHP, GM **ETOA** A N50°02.83' E10°10.25' 787 UTC+1(+2DT)
VFR, L-6H
(B) **RWY-09 L55** (2201x72 ASP) **L55 RWY-27**
1801→ ←2001
SERVICE - LGT - Bcn non-split W. **FUEL** - Fuel not avbl.
REMARKS - Unattended. **RSTD** - Clsd to F/W acft. Practice running/roll on ldg rstd to western half of rwy due to rwy sfc cond. **CAUTION** - Ovrrn unuse. 8' fence on dep end Rwy 27. Access road on dep end Rwy 27. 8' berm 100' E of rwy. Physical trng conducted on afdl btn 0530-0630Z++ Mon-Fri. **TFC PAT** - See VFR ARR/DEP RTE EUR. **NS ABTMT** - See VFR ARR/DEP RTE EUR.

SCHWERIN PARCHIM, (PARCHIM MECKLENBURG) GM **EDOP** CIV
N53°25.62' E11°47.01' 166 UTC+1(+2DT) **H-5D, L-5D**
(B) **RWY-06 L5,20,50** (9843x180 CON PCN 55 R/B/W/T) **L5,20,50 RWY-24**
SERVICE - FUEL - (NC-100LL, A1) **FLUID** - De-Ice avbl.
REMARKS - Opr 0800-1700Z (0600-1700Z DT), OT PPR. **MISC** - Class D Airspace eff Twr hrs, OT Class E.
COMMUNICATIONS - PARCHIM TWR - Opr 0700-1700Z++. 128.9
BERLIN INFO - 132.65 251.375 North **BERLIN RADAR - (R) (E)** 126.175 379.925
PARCHIM INFO - 128.9 25NM 4000 ft. GND.
NAVAIDS - SCHWERIN-PARCHIM DME - T PMD CH 122 (025/10) N53°25.50' E11°47.10' At Fld. 179/1°41.2'E **SCHWERIN-PARCHIM NDB** - HW 315.000 PAH N53°23.65' E11°39.95' 064° 4.7 NM to Fld. Unk/1°38.9'E **SCHWERIN-PARCHIM NDB/LOM** - HW 333.000 PI N53°27.68' E11°54.43' 244° 4.9 NM to Fld. Unk/1°43.6'E
ILS/RADAR - ➔**ILS-DME** - BRG 244° LCZR IPAW 108.7 DME PMD CH 122 GS 3° LOM PI 333.

SCOTSTOWN HEAD, UK **NDB** - HW 383.000 SHD N57°33.55' W1°49.03' Unk/4°05.7'W (80NM-W;25NM 180°-335°) **H-5A, L-3C**

SCOTTISH ATCC, UK **EGPX** (CIV) **SCOTTISH CON - (V)** 123.775 124.5 125.675 126.3 127.275 129.225 132.725 133.675 133.875 134.775. (124.825 0700-2230Z++, 119.875 0800-2000Z++ and when directed by ATC.) **H-2E, F-3D-5B, L-1B-3C**

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SCOTTISH ATCC, UK EGQQ (RAF) (V) (E)Auto-Triangulation fixer svc 243.0)

SCOTTISH MIL -249.475 134.3 RADAR ctl or clnc in Scottish Mandatory Radar Svc Area incl Hebrides UTA, awy crossing, Upper Airspace Svc, Middle Airspace Svc and Lower Airspace Svc transit svc. Ltd ctl cap 2300-0800Z++ Mon-Fri, 1700Z++ Fri to 0800Z++ Mon. (249.475 Low Level Climbout Svc). (249.475 Northern Radar Advsy Svc Area, N of W911D, outside hr svc, FIS only will be provided by Scottish Info on 133.875). **H-1B-2E**

S DARIAUS, (S GIRENO) LH **EYKS** CIV N54°52.79' E23°52.89' 246 UTC+2(+3DT) **L-2H**
RWY-09L (2756x197 GRS) **RWY-27R**
RWY-09R (3707x164 ASP) **RWY-27L**

REMARKS - Opr SR-SS Mon-Sun. **CAUTION** - Gldr and prcht act.

COMMUNICATIONS - **KAUNAS APCH** - Opr 0500-2000Z++, OT O/R. **(R) (V)** 124.2
KAUNAS TWR - Opr 0500-2000Z++, OT O/R. **(V)** 118.5 **ALEKSOTAS INFO** - 125.0
135.5 **KAUNAS INFO** - 124.6

SDE DOV, IS LLSL MIL/CIV N32°06.88' E34°46.93' 43 UTC+2(+3DT)

H-13A-16G, L-16F, T-2F

RWY-03L L6,50 (5712x98 ASP PCN 13 F/B/X/T) **L6,50 RWY-21**
5371→ ←5482

SERVICE - FUEL - Avbl 0330-2100Z++ Sun-Thu, 0330-1800Z++ Fri and hol eve,
0500-2100Z++ Sat and hol. (NC-100LL, A1)

REMARKS - Opr 0600-1400Z++ Sun-Thu. **RSTD** - Avoid ovft of Shikun-Lamed residential
area E of arpt. PPR for jet opr. **CSTMS/IMG** - Avbl PPR.

COMMUNICATIONS - **ATIS** - 122.9 **REMARKS**: Hebrew only. **TAMROOR APP** - 124.0
125.25 **TAMROOR TWR** - 124.0 125.25 **TAMROOR TAXI** - 121.05

NAVAIDS - **SDE DOV NDB** - HHW 348.000 TAV N32°06.57' E34°46.86' At Fld.
Unk/3°41.6'E **VHF/DF**

SEAFORD, UK VORW-DME - HA 117.000 SFD CH 117 (120/50) N50°45.63' E0°07.32' 300/(A)3°00.0'W (120/50 in sctr 257°-302°) **H-6F, L-4G,**

SEBHA, LY **HLLS** CIV N26°59.22' E14°28.35' 1427 UTC+2 **H-12F, L-19D**
(B) **RWY-06** (5596x98 ASP)

RWY-24
←4442

RWY-13 L3,4,5,9,10,43 (11778x148 ASP) **L4,5,9,10,43 RWY-31**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - **CAUTION** - Fst 984' fr the beginning of Rwy 31 not avbl.

COMMUNICATIONS - **APP** - 119.1 **TWR** - 119.1 **GND** - 121.9

NAVAIDS - **SEBHA VORW-DME** - HA 114.700 SEB CH 94 N26°58.18' E14°29.61' 311°
1.5 NM to Fld. 1394/(A)0°00.0'E **SEBHA NDB** - HHW 283.000 SEB N27°00.87' E14°29.93'
221° 2.2 NM to Fld. Unk/1°18.0'E

ILS/RADAR - ➔ **ILS** - BRG 134° LCZR SEB 110.3 GS 2.5°

SEEB INTL, MU OOMS MIL/CIV N23°35.60' E58°17.07' 48 UTC+4 **H-14H, L-20H**

RWY-02 (2461x98 GRE AUW44) **RWY-20**
RWY-08 L5,39,50 (11775x148 ASP PCN 60 F/A/X/T) **L5,39,50 RWY-26**
10400→

SERVICE - AOE **FUEL** - A1 (Al Maha Petroleum C968 952 2261) (NC-100LL) **FLUID** - OX

REMARKS - **RSTD** - PPR 72 hr for non-sked and pvt flts. Telex 5418 DGCA OMAN ON. Fone
519210 (DGCA) 519550 (ATC) **CAUTION** - Bird haz. WIP. **NS ABTMT** - See FLIP AP/2.

COMMUNICATIONS - **ATIS** - 126.8 **RADAR** - **(R) (V)** 121.2 119.8 **REMARKS**: MP
1030-1500Z Tue. **APP** - **(V)** 121.2 **TWR** - **(V)** 118.4 **GND** - 121.8

NAVAIDS - **SEEB DVORW-DME** - HA 114.500 MCT CH 92 N23°35.47' E58°15.61' 085°
1.3 NM to Fld. 80/(A)0°0.0'E MP 1000-1400Z 2nd Wed of month.
MCT DME unuse On some awy rads due to reflections from mtn terrain

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MCT VOR unuse

080°-095° byd 25 NM blw 6000'
095°-108° byd 25 NM blw 7000'
108°-140° byd 20 NM blw 9000'
140°-210° byd 20 NM blw 14,000'
218°-250° byd 35 NM blw 12,000'
250°-300° byd 20 NM blw 3000'

ILS/RADAR - ILS-DME - 08, 26. ILS 26 MP 1000-1400Z 1st Wed of month. ILS 08 MP 1000-1400Z 3rd Wed of month. ■ **RADAR** - ASR - (V)Call Seeb RADAR 119.8 121.2 MP 1030-1500Z Tue.

SEIDA, NO **VORW-DME** - HA 113.600 SDA CH 83 N70°14.06' E28°04.21'
941/(A)10°00.0'E **H-1D, L-1D**

SEINAJOKI, FI **EFIS** CIV N62°41.53' E22°49.94' 302 UTC+2(+3DT) **H-2H, L-1D**
RWY-14 L5,38,50 (5062x98 ASP PCN 21 F/C/Y/T) L5,33,50 **RWY-32**

SERVICE - FUEL - Avbl dur AFIS hr with 2 hr PN. (NC-100LL, A1) **FLUID** - Avbl O/R.

REMARKS - Opr HO. **CAUTION** - Gldr act. Cable winch launches to 2700' AGL.
CSTMS/IMG - Avbl PPR.

COMMUNICATIONS - KAUHAVA APP - (V) 130.1 126.6 **KAUHAVA TWR - (V)** 119.7
122.8 **AFIS - (V)** 123.6 119.7 **KAUHAVA RADAR** - 128.15 119.7

NAVAIDS - SEINAJOKI NDB/LOM - MHW 352.000 PSJ N62°38.53' E22°56.17' 310° 4.2 NM
to Fld. Unk/6°53.1'E

ILS/RADAR - ➔ ILS - BRG 311° LCZR IL 111.5 GS 3° LCTR IJ 382 LOM PSJ 352

SELANPAA, FI **EFSE** PVT N61°03.74' E26°47.93' 417 UTC+2(+3DT) **L-1D**
RWY-04 (3609x49 GVL) **RWY-22**
RWY-12 (4344x49 ASP) **RWY-30**

REMARKS - Opr HX. **CAUTION** - Gldr act with acft tows and winch launches to 2700' AGL.

COMMUNICATIONS - RDO - 123.2

SELCUK, TU See EFES

SELIBADY, MR **GQNS** CIV N15°10.78' W12°12.44' 262 UTC 0 **L-19A**
RWY-07 (5249x98 MAC C47) **RWY-25**

REMARKS - Opr SR+15-SS+15.

SEMMERZAKE ATCC, (BELGA RADAR) BE **EBSZ** (BAF) **BELGA INFO - (R) (E)**
129.325 373.55 (NATO secondary emerg freq - 243.4) **BELGA RADAR** - 129.325 (Low South: Sector 1 315.825 Sector 2 306.6 Sector 3 278.475) (West - 269.175) (Low North - 299.9) (High East - 373.550) (Goetsenhoven climb and descent - 123.3) (Sby 388.5 357.825 374.75 354.725) Ltd OPS, ltd peak cap, due to sys problems. (Bird obsn sys unrel). **GLORY RADAR** - (Avbl when BELGA RADAR inop) 291.050

SEMOUTIERS, FR **LFJA** MIL N48°05.18' E5°02.94' 1001 UTC+1(+2DT) **L-6F**
RWY-01 (4921x148 ASP) **RWY-19**

SERVICE - FUEL - (NC-100LL)

REMARKS - RSTD - PPR fone C03 25 32 21 57.

SENETOSE, FR **NDB** - MHW 394.500 SNE N41°33.47' E8°47.93' Unk/1°00.6'E (15 NM-W) **H-7C, L-11D-12E**

SENJA, NO **NDB** - HW 414.000 SJA N69°09.68' E17°48.95' 108° 16.8 NM to BARDUFOSS.
Unk/5°29.4'E **H-1C, L-1C**

SENOU, (BAMAKO) ML **GABS** MIL/CIV N12°32.01' W7°57.00' 1247 UTC 0 **H-11C, L-19B**
RWY-06 L5,11 (8879x148 ASP PCN 59 F/B/X/T) L5,50 **RWY-24**

SERVICE - AOE LGT - PAPI Rwy 24 GS 2.96°. **FUEL** - (NC-100LL, A1)

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REMARKS - RSTD - NORDO proh.
COMMUNICATIONS - ACC - 119.1 TWR - 118.3 A/G - 6673 8861
NAVAIDS - BAMAKO/SENOU VORW-DME - HA 113.700 BKO CH 84 N12°32.77'
W7°55.83' 243° 1.4 NM to Fld. 1279/5°27.2'W BAMAKO/SENOU NDB/LMM - HW
301.000 BM N12°31.29' W7°58.12' 063° 1.3 NM to Fld. Unk/5°28.3'W
ILS/RADAR - ➔ ILS - BRG 063° LCZR BS 109.5 GS 3°.

SEO DE URGEL, SP LESU CIV N42°20.32' E1°24.55' 2625 UTC+1(+2DT) L-11C
RWY-04 L43 (4396x98 ASP) L43 RWY-22
NAVAIDS - SEO DE URGEL NDB - MHW 340.000 SEO N42°13.93' E1°24.21' 004° 6.4 NM
to Fld. Unk/0°50.6'W
SEO NDB unuse 359°-029° all alt
089°- 129° all alt
209°- 269° all alt
329°- 359° all alt

SEPAH AIR BASE, IR See BADR AIR BASE

SEPPI, FI NDB/LOM - MHW 357.000 SEP N63°07.64' E21°42.64' Unk/6°26.4'E L-1D

SEVILLA ACC/UACC, SP LECS CIV CON - (R) SEV Sctr - 132.925 132.925 342.8
342.8 VEJ Sctr - 132.925 132.925 342.8 342.8 MAU Sctr - 133.35 284.8 MA3 Sctr -
133.35 133.35 284.8 284.8 ALU Sctr - 133.35 284.8 BAI Sctr - 132.675 132.675
337.875 337.875 GAO Sctr - 134.55 134.55 292.0 292.0 MAL Sctr - 132.6 132.6
292.0 292.0 YES Sctr - 132.675 132.675 337.875 337.875 CAR Sctr - 132.475 132.475
360.475 360.475 AML Sctr - 134.55 134.55 292.0 292.0 H-9A, B-16H, L-11A, 13C

SEVILLA, (SAN PABLO) SP LEZL CIV N37°25.08' W5°53.59' 111 UTC+1(+2DT)
H-16H, L-11A-13C
RWY-09 L45,33,50 (11024x148 ASP PCN 100 F/D/W/T) L45,33,50 RWY-27
SERVICE - FUEL - (NC-100LL, A1) OIL - 0-125
REMARKS - Opr 0600-2330Z++ 3 hr PPR RSTD - NORDO proh. CSTMS/IMG - Avbl.
COMMUNICATIONS - ATIS - 118.175 APP - Opr H24. 120.0 120.8 128.5 261.05
TWR - (E) 118.1 278.075 GND - 121.7
NAVAIDS - SEVILLA VORW-DME - HA 113.700 SVL CH 84 N37°25.67' W5°45.73' 268°
6.3 NM to Fld. 404/(A)4°00.0'W SEVILLA NDB - HW 420.000 SPP N37°25.08' W5°47.73'
273° 4.7 NM to Fld. Unk/2°46.8'W
SVL VOR-DME unuse 033° byd 60 NM blw 6500'
194° byd 75 NM blw 3000'
230° byd 75 NM blw 3000'
ILS/RADAR - ILS-DME 27 SEE TERMINAL FLIP FOR ILS-DME 27 DATA ➔ ILS - BRG 093° LCZR
ISE 111.1 CH 48 GS 3°

SEYCHELLES ACC/FIC, SE FSSS (CIV) CON - 120.2 3425 3467 3476 4657 5634
5658 7595 8879 10018 11300 13288 13306 17961 H-14H, L-20H

SFAX, TS VORW - HA 114.000 SFX N34°42.97' E10°41.33' At THYNA. 85/(A)0°00.0'E
H-9D-10E, L-14F

S. GIRENO, LH See S DARIAUS

S GIUSTO, IT See PISA

SHAHID ASHRAFI ESFAHANI, (KERMANSHAH) IR OICC MIL/CIV (IRIAA
CIV) N34°20.75' E47°09.49' 4307 UTC+3:30 H-13B, L-17A
RWY-11 L5 (11214x148 ASP PCN 65 F/C/X/T) L5,11,50 RWY-29
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0230-1830Z. CAUTION - Animal haz.

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COMMUNICATIONS - KERMANSHAH INFO - 126.8 **KERMANSHAH TWR** - 122.45
121.9

NAVAIDS - KERMANSHAH VORW-DME - HA 114.600 KMS CH 93 N34°20.38' E47°10.15'
At Fld. 4307/(A)3°30.0'E **KERMANSHAH TACAN** - HA KSH CH 102 N34°18.67'
E47°01.67' 068° 6.8 NM to Fld. 5131/3°55.8'E **KERMANSHAH NDB** - HHW 382.000 KMS
N34°19.63' E47°12.11' 293° 2.4 NM to Fld. Unk/3°55.6'E
KMS VOR-DME unusue
070°-110° byd 20 NM blw 10,000'
110°-180° byd 30 NM blw 11,000'
180°-210° byd 25 NM blw 12,000'
210°-230° byd 20 NM blw 10,000'
230°-310° byd 25 NM blw 9000'
310°-320° byd 20 NM blw 10,000'

ILS/RADAR - ➔**ILS-DME** - BRG 293° LCZR IKMS 111.1 CH 48 GS 3°

SHAHID ASYAEI, IR **OIAI** MIL N32°00.14' E49°16.22' 1206 UTC+3:30
H-13C, L-18E

RWY-12 (4656x98 ASP)
RWY-14 (5907x98 ASP PCN 20 F/C/Y/T)

RWY-30
RWY-32

SERVICE - FUEL - (NC-J4)

REMARKS - Opr SR-SS. **RSTD** - PPR fr IRIAA.

COMMUNICATIONS - TWR - 125.6

SHAHID HASHEMI NEJAD, IR See MASHHAD INTL

SHAHID VATAN POUR AIR BASE,

(ESFAHAN SHAHID VATAN POUR AIR BASE) IR **OIFH** MIL (IRIAA)

N32°34.02' E51°41.50' 5310 UTC+3:30 **H-13C, L-17B, L-18F**
(B) **RWY-06** (3215x75 PEM)
RWY-07 (4095x165 GRE)

RWY-24
RWY-25

SERVICE - FUEL - (NC-J4)

REMARKS - Opr SR-SS. **RSTD** - PPR fr IRIAA. **CAUTION** - Animal haz.

COMMUNICATIONS - TWR - 128.1

NAVAIDS - SHAHID VATAN POUR NDB - MHW 413.000 ESH N32°33.99' E51°41.62'
At Fld. 5310/3°16.0'E Opr SR-SS.

SHAHRE KORD, IR **OIFS** CIV N32°17.83' E50°50.53' 6723 UTC+3:30
H-13C, L-17B-18F

RWY-14 (10819x148 ASP PCN 35 F/B/X/T)
10336➔

RWY-32
←10341

SERVICE - FUEL - (NC-A1)

REMARKS - Opr SR-SS. **CAUTION** - Animal and bird haz.

COMMUNICATIONS - INFO - 118.5 121.7

NAVAIDS - SHAHRE KORD VORW-DME - HA 117.300 SKD CH 120 N32°16.79' E50°51.30'
325° 1.2 NM to Fld. 6723/3°16.9'E **SHAHRE KORD NDB** - MHW 376.000 SKD
N32°18.33' E50°50.31' At Fld. 6723/3°16.0'E

SHAHROUD, IR **OIMJ** CIV (CIV) N36°25.52' E55°06.25' 4215 UTC+3:30 **H-13C, L-17B**
RWY-07 (9157x148 ASP PCN 25 F/C/W/T) **RWY-26**

REMARKS - Opr O/R, OT 24 PPR before est off-block time fr arpt. **CAUTION** - Animal haz.

COMMUNICATIONS - GND - 121.95 **INFO** - 124.35

NAVAIDS - SHAHROUD NDB - HW 268.000 SHR N36°26.07' E55°08.31' 248° 1.8 NM
to Fld. 4219/4°2.0'E

SHAIBAH, (SHAYBA) SA **OESB** CIV N22°30.87' E53°57.85' 300 UTC+3 **H-14G, L-20H**
RWY-08 (6082x80 SAN) **RWY-26**
RWY-09 L6,8,14,50 (10005x98 CON) L6,8,50 **RWY-27**
9015➔ ←9000
SERVICE - FUEL - Prior coord req. (NC-A1)

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REMARKS - CAUTION - Hi sand dunes sur the rwy.

COMMUNICATIONS - CTAF - 122.8 **DISPATCH** - Opr SR-SS. 138.25

NAVAIDS - SHAYBA NDB - MHW 285.000 SYH N22°31.00' E54°00.00' 265° 2.0 NM to Fld.
274/1°12.6'E

SHAIKH ISA, BA **OBBS** MIL (AF) N25°55.10' E50°35.43' 136 UTC+3 **H-14G, L-18F**
RWY-15 L5,50 (12467x147 ASP PCN 73 F/B/X/T) L2,5,11,50 **RWY-33**
BAK-14 BAK-12B(B) (1257') BAK-14 BAK-12B(B) (1311')

SERVICE - A-GEAR - BAK-12s raised by BAK-14 O/R. **FUEL** - (NC- 100LL, A1, J8 Mil) PN rqr for 100LL and A1.

REMARKS - Opr 0415-1030Z++, Sat-Wed. **RSTD** - Use of this afld NOT AUTH wo expressed consent of the Govt of Bahrain. Emerg svc extremely ltd. Strict compliance with FCG enforced. Coord opr req with American Embassy, Manama, Office of Mil Cooperation, 0500-1400Z Sat-Wed. PPR ctc Base OPS DSN 318-465-1618. **CAUTION** - Remain on or E of ext rwy cntrline. Advs ATC if unable to comply.

COMMUNICATIONS - PTD - 372.2 **APP - (R) (E)** 124.95 358.15 **TWR - (E)** 125.45 364.15
GND - 125.95 318.25 **COMD POST** - 321.375

NAVAIDS - SHAIKH ISA VORTACW - HA 117.600 SIA CH 123 N25°55.31' E50°35.43'
At Fld. 136/2°09.1'E **SHAIKH ISA NDB** - MHW 343.000 SI N25°53.66' E50°36.22' 332°
1.6 NM to Fld. Unk/2°08.7'E

ILS/RADAR - ILS-DME - 33 ■ **RADAR** - ASR - 124.95 358.15

SHANNON ACC, EI **EISN** (CIV) **CENTER** - 120.35 OCEANIC CLNC DELIVERY **CON**
- (V) SOTA SCTR 135.6 - CORK SCTR 127.5 131.15 - SHANNON SCTR 124.7 - ACKIL SCTR
132.15 **H-2E-3C-5A, L-3A-4E**

SHANNON, (LIMERICK) EI **EINN** CIV N52°42.12' W8°55.49' 46 UTC 0(+1DT)
H-3D, L-3B

(B) **RWY-04** (CLSD 6463x198 PEM) **RWY-22**
RWY-06 L4,5,12,50 (10495x148 ASP PCN 75 R/C/W/U) L3,4,5,10,50 **RWY-24**
←10036
RWY-08 (CLSD 4805x148 PEM) **RWY-26**
RWY-13 (5643x148 ASP PCN 17 R/D/W/U) L50 **RWY-31**
RWY-18 (CLSD 5619x148 PEM) **RWY-36**

SERVICE - AOE LGT - PAPI Rwy 06 MEHT 68', PAPI Rwy 24 MEHT 74', PAPI Rwy 31 MEHT
73'. **FUEL** - A1(TFE Great Britian) (NC -100LL). AVGAS not avbl 1700-0700Z++. **OIL** -
O-113-117-128-156

REMARKS - RSTD - PPR NORDO. Rwy 13-31 proh at ngtd and proh by day when vis is less than 2000m.

COMMUNICATIONS - ATIS - Opr 0515-2000Z++ (0415-2000Z++sum). 130.95

APP - (R) 120.2 121.4 **TWR** - 118.7 121.8 **GND** - Opr 0930-1730Z++. 121.8

NAVAIDS - SHANNON DVORW-DME - HA 113.300 SHA CH 80 (300/70) N52°43.26'
W8°53.11' 239° 1.8 NM to Fld. 130/(A)8°00.0'W **ENNIS NDB** - MHW 352.000 ENS
N52°54.31' W8°55.67' 180° 12.2 NM to Fld. Unk/6°08.0'W **FOYNES NDB** - MHW
395.000 FOY N52°33.98' W9°11.72' 057° 12.8 NM to Fld. Unk/6°09.8'W

ILS/RADAR - ILS ILS-DME 06. ■ **RADAR** - 121.4

SHANWICK AIR RADIO, EI **EIAA** (CIV) DoD acft will be assessed a user fee for ea ctc with this fac. A ctc means the com svc provided for an entire trans-oceanic flt. **RDO** - (127.9 124.175 Extn coverage all acft) (17946 To be implemented only when an opr rqr arises) **Family A** - (All SSB eqpt acft flying Southern NAT rte) 3016 5598 8906 13306 **Family B** - (All SSB eqpt acft registered W of 30°00W flying Central and N NAT rte) 2899 5616 8864 13291 **Family C** - (All SSB eqpt acft registered E of 30°00W flying Central and N NAT rte) 2872 5649 8879 11336 13306 **Family D** - (All SSB eqpt acft flying Northern and Polar rtes outside organized Track System. If difficulties arise use Families B or C.) 2971 4675 8891 11279 13291 **Family F** - All SSB eqpt acft may be asgn to acft flying Central NAT rte. 3476 6622 8831 13291 **H-1A, B-2E-3B, C, D, L-1A-3A**

SHANWICK OCEANIC ACC, UK **EGGX** (CIV) (See FLIP PLANNING AP/2 Chapter 5) (123.95 CLNC DEL - Acft registered W of 30° W) (127.65 CLNC DEL - Acft registered E of 30°W) Shannon SOTA Sctr see SHANNON ACC.
H-1A, B-2E-3B, C, D, L-1A-3A

SHARJAH INTL, AE **OMSJ** MIL/CIV N25°19.71' E55°31.03' 111 UTC+4
H-14G, L-18G

(B) **RWY-12** L2,4,5,9,11,50 (13320x148 ASP PCN 50 R/A/W/U) L2,3,4,5,9,10,50 **RWY-30**
 ←12336

SERVICE - FUEL - PN for large quantities of AvGas. (NC-100LL, A1)

REMARKS - CAUTION - REIL Rwy 30 lctd at displ thld. **CSTMS/AG/IMG** - Avbl. **MISC** - Rwy 12 PCN 56/F/A/X/U. Rwy 30 PCN 50/R/A/W/U.

COMMUNICATIONS - ATIS - 112.3 122.4 **DUBAI APP - (R) (E)** 124.9 127.9

TWR - 118.6 **DUBAI DEP - (R) (E)** 125.45

NAVAIDS - SHARJAH VORW-DME - HA 112.300 SHJ CH 70 N25°19.82' E55°31.23' At Fld. 130/(A)1°0.0'E

ILS/RADAR - ➔ **ILS** - BRG 300° LCZR I-SJ 109.7 GS 3° LMM SJ 282

SHARK EL OWEINAT INTL, EG **HEOW** CIV N22°35.14' E28°43.00' 859
 UTC+2(+3DT) **H-12H, L-20E**

(B) **RWY-01** (11483x148 ASP PCN 60 F/A/W/U) **RWY-19**

SERVICE - LGT - Rot Bcn avbl SR-SS only.

REMARKS - Opr SR-SS.

COMMUNICATIONS - TWR - (V) 118.9 **GND** - 121.9

NAVAIDS - SHARK EL OWEINAT NDB - HW 301.000 OWT N22°34.85' E28°43.93' At Fld. 870/2°39.0'E Opr SR-SS

SHARM EL SHEIKH INTL, EG **HESH** CIV N27°58.64' E34°23.70' 143
 UTC+2(+3DT) **H-14E-16G, L-16F-20F**

(B) **RWY-04L** L5,11,50 (10108x148 ASP PCN 65 F/B/W/U) L5,11,50 **RWY-22R**
RWY-04R L5,11,50 (10108x148 ASP PCN 65 F/B/W/U) L5,12,50 **RWY-22L**

SERVICE - FUEL - (NC-A1)

REMARKS - RSTD - Rwy 04 inst pro are close proximity to small arms rng. Rwy 04 pro are proh when rng is active. US mil aircrews planning to perform these apch pro btn 0600-1500Z (0700-1600 DT) ctc multinational force and observers avn co flt ops to confirm rng status. Fone fr EG: C02-575-6596 extn 4817/4034, fr outside EG: C+972-8628-1801 extn 4817/4034. **CAUTION** - Bird haz. Four lgtd and marked twr cranes erected around N27°58' E34°23' at a hgt bet 272' msl and 335' msl til 18 Jul 06. Flw ATC inst. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - RDO - 3175 5790 (3175 sby)(5790 H24) **RADAR** - 121.1 122.6 **TWR - (V)** 118.9 **GND** - 121.9

NAVAIDS - SHARM EL SHEIKH DVORW-DME - HA 114.200 SHM CH 89 N27°59.88' E34°24.80' 215° 1.6 NM to Fld. 130/(A)3°00.0'E

ILS/RADAR - **ILS**

SHARURAH, SA **OESH** MIL/CIV N17°28.01' E47°07.29' 2363 UTC+3 **H-14G, L-20G**
 (B) **RWY-08** L5,33,50 (11975x147 ASP PCN 59 F/A/W/T) L5,33,50 **RWY-26**

SERVICE - FUEL - (NC-A1)

REMARKS - RSTD - PPR. 3 hr PN for non-sked. Fone C07-532-1003, telex 941007 SAUDIA SJ, fax C07-532-1011. **CAUTION** - Bird haz.

COMMUNICATIONS - CTAF - 122.8 **CRASH SVC** - 15 min prior ETA 133.5

NAVAIDS - SHARURAH VORTACW - HA 114.300 SHA CH 90 N17°28.22' E47°08.04' At Fld. 2356/(A)1°00.0'E

ILS/RADAR - ➔ **ILS DME** - BRG 084° LCZR I-SHA 109.7 CH 34 GS 3°

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SHAWBURY, UK EGOS MIL N52°47.89' W2°40.08' 249 UTC 0(+1DT)

H-3D,-5A, L-3A, -4F

RWY-05 L7,50,53 (4523x151 ASP)

L7,50,53 **RWY-23**

RWY-18 L5,24,50,53 (6018x151 ASP)

L5,41,50,53 **RWY-36**

NET RAF (51' OVRN)

RAF (51' OVRN)

SERVICE - LGT - ABn, red coded SY. **JASU** - 1(C1) 1(C6) 1(E1) 1(E3) 1(E4) 1(E5) 1(E11)

FUEL - A1+ **FLUID** - LPOX. **OIL** - O-128-135-149-155-160

REMARKS - Opr 0830-1700Z++ Mon-Fri. **RSTD** - 24 hr PPR thru Base OPS.

COMMUNICATIONS - ATIS - 284.275 **APP - (R) (E)** 126.5 282.0 **DIRECTOR** - 123.3X

231.7 **TWR - (E)** 122.1X 378.45 **GND** - 389.45 **OPS** - 369.125 **ZONE** - 120.775

NAVAIDS - SHAWBURY VORW-DME - L 116.800 SWB CH 115 (050/10) N52°47.88'

W2°39.75' At Fld. 269/3°29.0'W **UHF/DF**

ILS/RADAR - ➔**ILS** BRG 187° LCZR 108.7 GS3°.

SHAYBA, SA See SHAIBAH

SHEFFIELD CITY, UK EGSY CIV N53°23.66' W1°23.31' 231 UTC 0(+1DT) **L-3C**

RWY-10 L5,38,50 (3973x98 ASP PCN 26 F/C/Y/T)

L5,35,50 **RWY-28**

SERVICE - FUEL - (NC-100LL, A1) **OIL** - O-123

REMARKS - Opr 0830-1800Z++.

COMMUNICATIONS - INFO - 128.525

NAVAIDS - SHEFFIELD CITY DME - T SFH CH 50(Y) N53°23.58' W1°22.99' At Fld.

273/3°04.8'W **SHEFFIELD CITY NDB** - MHW 333.000 SMF N53°23.56' W1°22.99' At Fld.

Unk/3°04.7'W **VHF/DF**

ILS/RADAR - ➔**ILS** - BRG 279° LCZR ISFH 111.35 GS 3.0°

SHEIK ELGUNIED, SU VOR-DME - HA 115.700 SGD CH 104 N15°37.70' E33°04.37'

1465/2°25.1'E **H-12H-14E, L-20F**

SHERIDAN BARRACKS LANDING AREA, GM ET--/ET31 A

N47°28.96' E11°04.02' 2359 UTC+1(+2DT) **VFR**

(100x100 CON UH60)

REMARKS - Unattended, opr SR-SS. **RSTD** - R/W only rotor diameter 60' or less. No practice apch. PPR thru Marshall Cntr Protocol Office at DSN 440-2755/2826 or C08821-750755/750826 or e-mail protocol @marshallcenter.org. **CAUTION** - 60' pwr lines 1250' SW, bldg 330' W. Avoid ovft of populated areas and hotel complex SW of ldg area. Hang gldr all quad. Ldg area does not meet std clnc criteria for obst in close proximity all quad. **TFC PAT** - All ldg to NW, dep to SE. **MISC** - Windsock 500' NE of helipad.

SHINDAND, AF OASD MIL/CIV N33°23.48' E62°15.66' 3773 UTC+4:30 **H-13D, L-17D**
(B) **RWY-18** (9140x160 CON PCN 32 R/B/W/T) **RWY-36**

SHIRAZ SHAHID DASTGHAIB INTL, (TADAYON AB) IR OISS MIL/CIV

N29°32.35' E52°35.40' 4920 UTC+3:30 **H-13C, L-18F**

RWY-11L L5,12 (14220x148 ASP PCN 85 F/C/W/T)

L5,11,50 **RWY-29R**

HOOK UNK (235' OVRN) MA-1A UNK (315' OVRN) ➔

RWY-11R L5,12 (14016x148 ASP PCN 80 F/C/W/T)

L5,11,50 **RWY-29L**

←MA-1A UNK (226' OVRN) ←HOOK UNK (164' OVRN)

HOOK UNK(B) (2543')

SERVICE - LGT - PAPI Rwy 29R GS 2.95° **FUEL** - (NC-100LL, A1)

REMARKS - CAUTION - Animal and bird haz.

COMMUNICATIONS - ATIS - 127.0 **APP - (R) (U)** 119.0 317.5 125.4 131.4 134.1 **REMARKS:**
344.0 362.3 385.4 **TWR - (V)** 118.1 257.8 121.9 275.8

AIRPORT/FACILITY DIRECTORY B-399

NAVAIDS - SHIRAZ SHAHID DASTGHAIB VORW-DME - HA 117.800 SYZ CH 125
 N29°32.41' E52°35.33' At Fld. 4920/(A)2°30.0'E **SHIRAZ SHAHID DASTGHAIB TACAN** -
 HA SYZ CH 94 N29°32.53' E52°35.05' At Fld. 4892/2°36.0'E
SHIRAZ SHAHID DASTGHAIB NDB - HHW 205.000 SR N29°30.27' E52°40.29' 296°
 4.7 NM to Fld. 4805/2°35.0'E **UHF/DF**
 SYZ VOR-DME unuse 055°-090° byd 15 NM blw 10,000'
 090°-125° byd 15 NM blw 9000'
 200°-280° byd 15 NM blw 10,000'
 280°-340° byd 15 NM blw 9,000'
 340°-055° byd 15 NM blw 10,000'
 050°-130° byd 25 NM blw 11,000'
 130°-150° byd 25 NM blw 10,000'
 150°-180° byd 25 NM blw 15,000'
 210°-050° byd 25 NM blw 13,000'
 180°-270° byd 40 NM blw 18,000'
 270°-330° byd 40 NM blw 16,000'
 330°-180° byd 40 NM blw 15,000'
 360°-020° byd 20 NM
 180°-200° byd 20 NM
 200°-240° byd 35 NM
 340°-360° byd 35 NM
 byd 40NM
 SYZ TACAN unuse blw FL 175
 SR NDB unuse

ILS/RADAR - ➔ ILS-DME - BRG 293° LCZR ISYZ 109.9 CH 36 GS 3°

SHOREHAM, UK EGKA PVT N50°50.13' W0°17.83' 7 UTC 0(+1DT) **L-4G**
 (B) **RWY-02** L7,50 (3399x59 ASP PCN 14 F/B/X/U) L7,50 **RWY-20**
 3106→ ←3086
RWY-07 (2877x164 GRE) **RWY-25**
RWY-13 (1312x98 GRE) **RWY-31**
SERVICE - LGT - ABn flg green. PAPI Rwy 03 GS 3.5° MEHT 16', PAPI Rwy 21 GS 4.5° MEHT
 21'. **FUEL** - (NC - 100LL, A1) **OIL** - 0-117-123-125-128
REMARKS - Opr 0800-1800Z Mon, 0800-1900Z Tue-Sat, 0830-1800Z Sun (0700-1900Z
 Mon-Sat, 0730-1900Z Sun or SS if earlier, sum).
COMMUNICATIONS - ATIS - 125.3 **APP** - Opr 0830-1800Z++ Sun, Mon; 0830-1900Z++
 Tue-Sat. 123.15 **TWR** - 123.15 125.4 **RDO** - 123.15

SIAULIAI INTL, (ZOKNIAI) LH EYSA MIL/CIV N55°53.63' E23°23.70' 443
 UTC+2(+3DT) **H-2H, L-2G**
RWY-14L L5,11,50 (11483x148 CON PCN 85 R/C/W/T) L5,11,50 **RWY-32R**
 HOOK UNK(B) (5741')
RWY-14R (10761x105 CON PCN 65 R/B/X/U) **RWY-32L**
 HOOK BAK-12B(B) (1739') HOOK BAK-12B(B) (1985')
SERVICE - FUEL - Opr 0600-1800Z++, OT O/R. (NC-A1) **FLUID** - De-Ice
REMARKS - RSTD - Displ thld on Rwy 14L for visual ldg of mil ftr acft only. Rwy 14R-32L mil
 use only. **CAUTION** - Rwy 14L-32R one-inch sfc irregularities over 98' to 130' dist.
CSTMS/IMG - Opr 0600-1800Z++, OT O/R. **MISC** - Ldg fees.
COMMUNICATIONS - TWR - (E) 120.4
NAVAIDS - SIAULIAI VORW-DME - HA 115.200 SAU CH 99 N55°52.74' E23°24.99' 316°
 1.1 NM to Fld. 472/(A)5°00.0'E Opr HO. **SIAULIAI TACAN** - L SQQ CH 110 N55°53.43'
 E23°24.14' At Fld. 469/5°36.4'E
ILS/RADAR - ➔ ILS - BRG 141° LCZR ISZ 108.3 GS 3.0° ➔ **ILS** - BRG 321° LCZR IDL 108.7 GS
 3.0°.

SIBIU, RO LRSB CIV N45°47.14' E24°05.48' 1496 UTC+2(+3DT) **H-4F, L-10I**
RWY-09 L3,7 (6562x98 CON PCN 19 R/C/W/T) L3,7,27 **RWY-27**
SERVICE - FUEL - (NC-A) **FLUID** - De-Ice Avbl.
REMARKS - CSTMS/IMG - Avbl
COMMUNICATIONS - APP - Opr 0600-1800Z++ (R) 122.7 **TWR** - 122.7
PRECISON - Opr 0600-1800Z++ (R) 121.3
NAVAIDS - SIBIU NDB - HHW 381.000 SIB N45°47.10' E24°09.15' 267° 2.6 NM to Fld.
 1414/4°10.3'E

B-400 AIRPORT/FACILITY DIRECTORY

ILS/RADAR - ■ RADAR - PAR - Call PRECISION 121.3.

SIDI BARRANI, EG **VORW-DME** - HA 116.200 BRN CH 109 N31°34.53' E26°00.33'
120/(A)3°00.0'E **H-10G, 15E, L-14H**

SIDI BEN AOUN, TS **VORW** - HA 115.300 BAN N34°51.80' E9°10.07'
Unk/(A)1°00.0'W **H-9D, L-14E**

SIDI MAHDI, AG **DAUK** CIV N33°04.07' E6°05.32' 279 UTC+1 **H-9C, L-14E**
RWY-01 L7A,50 (9843x148 ASP PCN 54 F/B/W/T) **L7A** **RWY-19**
REMARKS - Opr 0700-1500Z Sat-Wed, OT PN rqr before 1300Z to DAUKYDYD.
COMMUNICATIONS - **TOUGGOURT RDO** - 8894 **TOUGGOURT TWR** - 119.7
NAVAIDS - **TOUGGOURT VORW-DME** - L 113.200 TGU CH 79 N33°03.43' E6°05.33'
At Fld. 279/0°19.0'E

SIDI SLIMANE, MO **VORW-DME** - HA 115.500 SMN CH 102 N34°13.95' W6°03.03'
179/2°47.0'W **H-9A, L-13C**

SIEDLCE, PL **VORW-DME** - HA 114.700 SIE CH 94 N52°09.32' E22°12.05'
591/(A)3°00.0'E **H-8G, L-21B**

SIEGERLAND, GM **EDGS** CIV N50°42.46' E8°04.98' 1966 UTC+1(+2DT) **H-6H, L-5B**
(B) **RWY-04** (1640x98 GRS) **RWY-22**
RWY-13 L4,5,9,39,50 (5315x98 ASP PCN 53 F/D/X/T) **L2,4,5,9,11,50** **RWY-31**
RWY-13L (1969x98 GRS) **RWY-31R**
SERVICE - **LGT** - ABn flg W. **FUEL** - (NC-100LL, A1) **FLUID** - De-Ice avbl.
REMARKS - Opr 0700-2100Z++ Mon-Fri; 0700Z++-SS+30 Sat, Sun and hol; OT PPR.
RSTD - PPR to acft over AUW31. PPR for IFR flt Sat, Sun and hol. **CSTMS/IMG** - Avbl O/R
1hr.
COMMUNICATIONS - **ATIS** - 128.625 25 NM FL100 **INFO** - 120.375 25 NM 4000 ft. AGL
LANGEN RADAR - (R) 124.9 **LANGEN INFO** - (R) (E) 123.525
NAVAIDS - **SIEGERLAND DME** - T SLD CH 17(Y) (025/10) N50°42.41' E8°04.71' At Fld.
2019/0°35.6'E **SIEGERLAND NDB** - MHW 489.000 SIL N50°40.80' E8°08.31' 308° 2.7 NM
to Fld. Unk/0°36.8'E **VHF/DF**
ILS/RADAR - ➡**ILS** - BRG 308° LCZR ISIW 108.9 GS 3.0° LCTR SIL 489

SIENA, IT **VORW-DME** - HA 110.200 SIE CH 39 (025/10) N43°15.17' E11°15.18'
At AMPUGNANO. 638/1°32.5'E
SIE VOR-DME MRA 25 NM 320°-030° 7000'
030°-090° 6000'
090°-220° 5000'
220°-320° 11,000'
H-7D, L-12E

SIENA AMPUGNANO, IT See AMPUGNANO

SIERRA-KILO, FI **NDB** - MHW 368.000 SK N67°28.31' E26°34.01' Unk/9°59.9'E **L-1D**

SIGDAL, NO **DVORW-DME** - HA 117.700 SIG CH 124 N60°00.90' E9°37.80'
2410/(A)1°00.0'W **H-2G, L-1C, 2E**

SIGLUFJORDUR, IC **BISI** CIV N66°08.00' W18°55.00' 10 UTC 0 **L-1A**
RWY-07 (3556x105 BIT) **RWY-25**
SERVICE - **LGT** - Emerg lgt O/R.
REMARKS - Opr O/R 0800-1700Z Mon-Fri via C354-467-1470.. **CAUTION** - Rwy 07-25 is sfc
dressing. Use brakes with ctn and use as big a turning rad as possible.

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COMMUNICATIONS - REYKJAVIK ACC - 119.7 255.4 RDO - 118.1

SIGONELLA, (C DI PALMA) IT **LICZ** MIL (N) N37°24.10' E14°55.34' 79 UTC+1(+2DT)

H-15C, L-14F

(B) **RWY-10L** L6,9

(8012x98 ASP)

L6,9,33 **RWY-28R**

7866→

←7873

RWY-10R L5,9,41,50,51

(8077x148 ASP SWL 22)

L5,9,33,50,51 **RWY-28L**

7734→

←7728

BAK-12A(B) (223') **E28(B)** (1606') **E28(B)** (1624')

E28(B) (1622') **E28(B)** (1607') **BAK-12A(B)** (295')

SERVICE - AOE **LGT** - Rwy lgt ctl fr fld. OLS avbl, 15 min PN Rwy 10R-28L. OLS can be relctd for Rwy 10L-28R as rqr. Mod Calvert sys avbl Rwy 10R. **A-GEAR** - BAK-12 used for abort-rollout gear. Rollout gear rigged Rwy 10R-28L. E-28 rigged on req. Rwy 10R BAK 12, max engagement 180 KIAS. E-28 Rwy 10R-28L unavbl 0600-0620Z++ dly due to maint.

JASU - 6(GTC-85) 5(NCPP-105) 5(NC-10) 13(NC-8A) **FUEL** - 100LL, J5, J8 **FLUID** - SP PRESAIR, NITROGEN, GASEOUS OXYGEN, avbl 0600-2200Z++, OT 24 hr ntc rqr. Ctc Air Trml OPS Cntr (ATOC) DSN 624-5371/72. Acft req reful ctc ATOC at least 15 min prior ldg.

Acft on actual NATO msn, make voice rpt NATO on GND CON. **OIL** - O-117-128-149

TRAN ALERT - Ltd svc/support and cargo handling 1530-0630Z++. Ltd tran qtrs avbl.

REMARKS - **RSTD** - PPR 48 hr prior arr to all acft. Transiting acft req PPR thru Base OPS DSN 624-5417/5513, C39-095-86-5417/5513. Tran acft req ldg ctc Air Trml Ops Cntr (ATOC) DSN 624-5371/2 24 hr. Practice apch req PPR ctc Base OPS/DSN 624-5417/5513/5886, STU III 624-5787 24 hr. Hgr space req ctc tran line (T-Line) DSN 624-5383 24 hr. Mand all acft with VIP Code 6 or abv notify ATOC 30 min prior arr. **CAUTION** - Bird act. Rwy 10L-28R (parl twy) is more vis than Rwy 10R-28L which is ASP, use ctn when apch vis. Crash rescue hardstand lgt, drct S parl to rwy, may be mistaken for rwy lgt dur ngt hr. Twy B btn Rwy 10L-28R and 10R-28L has max wt rstd of 132,000 lb. Exer ctn on movement area due holes in conc UFN. **MISC** - Extv copter and F/W trng E sctr Catania CTLZ blw FL 70. USN OPS officer DSN 624-5511/2525. Flt wx biefings will be conducted by joint OPS at NAFD/21 OWS Sembach, GM. METOC DSN: 496-6145/46, C+49 6302 67 6145/46. Fax DSN: 496 6184 C+49 6302 67 6184, e-mail: ows.ops@sembach.af.mil. Lcl PMSV circuits no longer mnt at NAS Sigonella.

COMMUNICATIONS - **ATIS** - 138.175 387.625 **CATANIA APP** - (R) (E) 119.25 340.1

264.8 **CATANIA DIRECTOR** - (R) (E) 120.8 264.8 **TWR** - (E) 118.05 122.1 257.8 337.6

GND - 121.95 279.175 **PMSV METRO BASE OPS** - 344.6 **AG MIL VOICE** - PILOT/PILOT 307.0 **AIR TRML OPS CENTER** - (ATOC) 118.2 377.8 **PACHINO TARGET RNG** - (If no ctc advs Base OPS) 252.45 344.15

NAVAIDS - **NAVY SIGONELLA TACAN** - T NSY CH 49 N37°24.02' E14°55.29' At Fld.

81/2°01.0'E **SIGONELLA TACAN** - HA SIG CH 53 (200/60) N37°23.75' E14°58.26' 279°

2.4 NM to Fld. 64/2°01.4'E MP 0800-1000Z++ 2nd Wed. **SIGONELLA NDB** - MHW

412.000 SIG N37°23.75' E14°58.29' 279° 2.4 NM to Fld. Unk/2°01.4'E

CAT VOR-DME MRA at 40 NM 035°-060° 14,000'

060°-190° 6000'

190°-345° 10,000'

345°-035° 20,000'

CAT VOR-DME MRA wi10 NM

060°-290° 2000'

290°-040° 5500'

NSY TACAN unuse

000°-020° byd 25 NM

050°-090° byd 31 NM blw 6000'

090°-160° byd 33 NM blw 6000'

160°-240° byd 30 NM blw 6200'

350°-360° byd 33 NM blw 13,000'

SIG TACAN MRA within 40 NM

030°-100° 4000'

100°-155° 5000'

155°-200° 8000'

200°-250° 7000'

250°-320° 6000'

320°-345° 8000'

345°-030° 20,000'

ILS/RADAR - **RADAR** SEE TERMINAL FLIP FOR RADAR MINIMA.

SIGUIRI, GV **NDB** - HW 282.000 SI N11°24.06' W9°11.21' Unk/6°10.4'W Opr SR-SS.

L-19A

B-402 AIRPORT/FACILITY DIRECTORY

SIIRT, TU LTCL CIV N37°58.73' E41°50.43' 2001 UTC+2(+3DT) **H-13B, L-15D**
RWY-06 (5905x98 CON PCN 50 R/B/X/T) **RWY-24**
REMARKS - Opr by NOTAM.
COMMUNICATIONS - **TWR** - Opr H24. **(E)** 132.05 337.775
NAVAIDS - **SIIRT VORW-DME** - HA 114.300 SRT CH 90 N37°54.57' E41°52.93' 330° 4.5 NM to Fld. 3146/(A)3°00.0'E **SIIRT NDB** - MHW 409.000 SRT N37°58.62' E41°50.62' At Fld. 2001/4°44.4'E

SIKASSO, ML See DIGNANGAN

SILJAN, SW See MORA

SILVIO E NATALE PALLI, IT See CAMERI

SIMENTI, SG **NDB** - HW 314.000 SMI N13°02.98' W13°17.99' 230/7°25.2'W Svc fr 15 Dec to 10 Jun. Reg sked flt 45 min before arr, non-sked flt O/R preceding day before 1630Z to Tambacounda **L-19A**

SINDAL, DA **EKSN** CIV N57°30.21' E10°13.76' 92 UTC+1(+2DT) **L-2E**
(B) RWY-09 L5,34 (3934x98 ASP PCN 24 F/B/Y/T) L5,39 **RWY-27**
SERVICE - **LGT** - ABn opr when acft exp at ngt or in lo vis dur day. **FUEL** - (NC-100LL, A1)
REMARKS - Opr 0730-1500Z++ Mon-Fri (0700-1200Z 24 Dec, 31 Dec.); Clsd Sat, Sun, hol, 25-26 Dec, 1 Jan. OT PPR fone C+45 98 93 58 00. Self svc when ADO/AFIS is clsd. PPR for self svc. **CSTMS/IMG** - Avbl, 1 hr PN. **MISC** - Ldg fees.
COMMUNICATIONS - **AALBORG APP** - 123.975 309.95 **AFIS** - 118.75
NAVAIDS - **VHF/DF**
ILS/RADAR - ➔ **ILS-DME** - BRG 266° LCZR SDL 110.15 CH 38(Y) GS 3°.

SINKO, MK **VORW-DME** - HA 111.450 SIN CH 51(Y) N41°58.85' E22°21.93' 265° 33.3 NM to SKOPJE. 3891/3°27.6'E
SIN VOR-DME SIN unuse 280°-350° blw FL 130
H-4F, L-12G

SINOP, TU **VORW-DME** - HA 114.000 SIN CH 87 N42°01.33' E35°04.60' 49/(A)3°00.0'E O/S UFN. **NDB** - MHW 465.000 SIN N42°01.33' E35°04.60' 21/5°06.8'E **H-13A, L-15B**

SINT TRUIDEN, (BRUSTEM) BE **EBST** MIL N50°47.52' E5°12.10' 246 UTC+1(+2DT)
L-5
RWY-06 (3934x164 ASP) **RWY-24**
REMARKS - **RSTD** - PPR.
COMMUNICATIONS - **RDO** - 119.975

SINTRA, (AIR BASE NR 1) PO **LPST** MIL N38°49.86' W9°20.37' 440 UTC 0(+1DT)
H-16H, L-11A
(B) RWY-14 L5,41,50 (5906x131 ASP PCN 23 F/C/W/T) L5,50 **RWY-32**
SERVICE - **LGT** - PAPI Rwy 14 GS 3.2°. PAPI Rwy 32 GS 4.5°. **FUEL** - 100LL, J4 **FLUID** - LHOX OX
REMARKS - Opr 0900-1700Z++ Mon-Fri, OT and hol 1 hr PN to LPAMYWYB. **RSTD** - On Sat PPR thru LISBOA ACC/Sintra Twr before entering Sintra ctl airspace due to mil act.
CAUTION - Bird haz.
COMMUNICATIONS - **APP** - Opr HO. **(E)** 118.6 140.0 234.1 **TWR** - Opr HO. **(E)** 119.85 234.6 **GND** - Opr HO. 122.1 257.8

AIRPORT/FACILITY DIRECTORY B-403

NAVAIDS - SINTRA VORTACW - HA 112.100 SRA CH 58 (200/50) N38°49.75' W9°20.40'
At Fld. 440/4°03.7'W MP fst workday of ev month.
SRA VORTAC unuse 090°-110° byd 15 NM blw 6000'
220°-260° byd 10 NM blw 10,000'
300°-330° byd 15 NM blw 6000'

SION, (SION MUNI ARPT) SZ **LSGS/LSMS** CIV/MIL N46°13.18' E7°19.61' 1585

UTC+1(+2DT) **H-7C, L-9A**

RWY-07L (1820x98 GR5)

RWY-25R

RWY-07R L5,23

(6562x131 ASP PCN 40 F/B/X/T)

L5,23,50 **RWY-25L**

6398→

←1492

←NET UNK (255' OVRN) HOOK UNK (1139')

HOOK UNK (1337') NET SAFEBAR (227' OVRN) →

SERVICE - AOE **LGT** - PAPI Rwy 25L GS 3.5° MEHT 28'. **A-GEAR** - Do not taxi over net barriers. Req by rdo for barriers to be lowered. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700Z++ SS. (Max 1900Z sum). OT O/R. **MISC** - PPR for OPS.

COMMUNICATIONS - RADAR - Opr HO (R) 126.825 122.35 246.8 249.8 340.325

TWR - 118.275 358.55 **GND** - 121.7 **SWISS MILITARY RADAR** - HO (R) 134.275

INFO - 122.35 138.05 268.625

NAVAIDS - SION DVORW-DME - T 112.150 SIO CH 58(Y) (040/25) N46°12.93' E7°17.33'
082° 1.6 NM to Fld. 1594/(A)1°00.0'W

ILS/RADAR - →**ILS-DME** - BRG 247° LCZR ISI 108.35 CH 20(Y) GS 6°. Lczz crs 7° rgt offset.
GS 6°. Rstd use only. **RADAR** - ASR/PAR - Call ARR 246.8 249.8 340.325.

SIRJAN, IR **OIKY** CIV N29°33.06' E55°40.36' 5846 UTC+3:30 **H-13D, L-18G**

RWY-14 L5,12,50

(12356x148 ASP PCN 45 F/B/X/T)

L5,12,50 **RWY-32**

SERVICE - FUEL - Opr O/R. (NC-A1)

REMARKS - Opr 0400-1030Z. **RSTD** - 24 hr PPR for non-sched flt before EOBT fr Kerman arpt. **CAUTION** - Animal haz.

COMMUNICATIONS - INFO - Opr 0330-1130Z Sat-Wed, OT PPR. 123.25

NAVAIDS - SIRJAN VORW-DME - HA 114.600 SRJ CH 93 N29°33.41' E55°39.60' At Fld.
5831/(A)2°00.0'E

SRJ VOR unuse

000°-010° byd 25NM blw 9500'

010°-040° byd 25NM blw 11,000'

040°-120° byd 25NM blw 10,000'

120°-180° byd 25NM blw 8500'

180°-210° byd 25NM blw 9500'

210°-270° byd 25NM blw 8500'

270°-340° byd 25NM blw 7500'

340°-000° byd 25NM blw 8500'

000°-040° byd 40 NM blw 12,000'

040°-120° byd 40NM blw 11,000'

120°-190° byd 40 NM blw 9500'

190°-230° byd 40 NM blw 9000'

230°-320° byd 40 NM blw 9500'

320°-000° byd 40 NM blw 10,500'

SRJ VOR-DME unuse

SIRRI ISLAND, IR **OIBS** CIV N25°54.53' E54°32.36' 43 UTC+3:30 **H-13D-14G, L-18G**

RWY-12

(8345x175 ASP)

RWY-30

4185→

REMARKS - Opr SR-SS, OT PPR. **CAUTION** - Bird and animal haz.

COMMUNICATIONS - INFO - 129.0

NAVAIDS - SIRRI ISLAND VORW-DME - HA 113.750 SIR CH 84(Y) N25°54.85' E54°32.19'

At Fld. 42/(A)1°30.0'E **SIRRI ISLAND NDB** - HHW 300.000 SIR N25°54.21' E54°32.41'

At Fld. 42/1°41.9'E

SIRTE, LY **NDB** - HHW 407.000 SRT N31°11.60' E16°36.00' Unk/1°52.9'E **H-10F, L-14G**

SITIA, GR **LGST** CIV N35°12.97' E26°06.08' 376 UTC+2(+3DT) **H-10G-15D, L-14H-15A**

(B) **RWY-05** L6,9

(6804x148 ASP PCN 40 F/B/Y/U)

L6,9,50 **RWY-23**

B-404 AIRPORT/FACILITY DIRECTORY

SERVICE - FUEL - (NC-100LL, A1)

COMMUNICATIONS - INFO - (V) 122.6 **RDO** - (5637 Opr 0400-1700Z++)(2989 Opr 1700-0400Z++) 5637 2989

NAVAIDS - SITIA VORW-DME - HA 112.900 SHT CH 76 (050/25) N35°13.12' E26°06.41'
At Fld. 376/3°20.0'E **SITIA DVORW-DME** - HA 113.300 SIT CH 80 (200/50) N35°04.11'
E26°11.34' 333° 9.8 NM to Fld. 2058/(A)1°00.0'E

SIVAS, TU **LTAR** CIV N39°48.83' E36°54.21' 5236 UTC+2(+3DT) **H-13A, L-15C**
(B) **RWY-01** L9,33,43 (12503x98 CON) L9,43 **RWY-19**
NET BEFAB (164' OVRN) →

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0600-1430Z++ Mon-Fri.

COMMUNICATIONS - TWR - (V) 118.1 257.8 **GND** - 121.9

NAVAIDS - SIVAS VORW-DME - HA 114.200 SIV CH 89 N39°47.37' E36°53.60' 013° 1.5 NM
to Fld. 5279/(A)3°00.0'E **SIVAS NDB** - HHW 310.000 SIV N39°47.37' E36°53.60' 013°
1.5 NM to Fld. Unk/4°51.4'E

SIVRIHISAR, TU **LTAV** MIL N39°27.09' E31°21.92' 3185 UTC+2(+3DT) **H-4H, L-15B**
RWY-11 L5,43 (11156x98 ASP) L5,43 **RWY-29**
←NET BEFAB (165' OVRN) 500S(B) (1142') 500S(B) (1143') NET BEFAB (159' OVRN) →

SERVICE - JASU - 1(U-1000) (AM32A-60) **FUEL** - (NC-J8)

REMARKS - Opr by NOTAM. **RSTD** - PPR. **MISC** - NOTAMS avbl only at AOE listed in FCG.

COMMUNICATIONS - ESKISEHIR APP - (E) 122.1 362.3 **TWR** - 122.1 257.8
GND - 121.95 251.25

NAVAIDS - SIVRIHISAR TACAN - T SYT CH 29 N39°26.75' E31°22.45' At Fld.
3172/4°19.3'E

SKAGEN, NO **VORW-DME** - HA 112.800 SKG CH 75 N68°34.70' E15°02.10'
34/(A)1°00.0'E **H-1C, L-1C**

SKAGI, IC **NDB/LOM** - MHW 379.000 SA N64°18.33' W21°58.28' 194° 10.6 NM
to REYKJAVIK. Unk/17°14.3'W **H-1A, L-1A**

SKALLEN, SW **NDB** - HW 337.000 OZ N61°13.63' E17°10.78' 308° 3.1 NM
to SODERHAMN. Unk/4°06.2'E **L-1C**

SKAVSTA, (STOCKHOLM SKAVSTA) SW **ESKN** CIV N58°47.32' E16°54.73' 140
UTC+1(+2DT) **H-2G, L-2F**
RWY-08 L5,13,50 (9442x148 ASP PCN 60 F/B/X/T) L2,5,11,50 **RWY-26**
9023→
RWY-16 L7,50 (6690x131 ASP PCN 40 F/B/X/T) L7,50 **RWY-34**

SERVICE - LGT - PAPI MEHT Rwy 08 51.5', Rwy 26 57.7', Rwy 16 51.8', Rwy 34 53.1'.

FUEL - (NC-100LL, A1)

REMARKS - CAUTION - PJE, gldr act. **CSTMS/IMG** - CSTMS avbl H24, IMG avbl
0500-2100Z++ OT O/R. **MISC** - Ldg fees. Admin fone C+46 (0)8 797 63 40.

COMMUNICATIONS - ATIS - 126.75 **TWR - (V)** 127.7

NAVAIDS - VHF/DF

ILS/RADAR - →**ILS** - BRG 261° LCZR EKN 111.9 GS 3° LOM PEO 398. →**LOC** - BRG 081° LCZR
WEK 111.3 LCTR NW 364.

SKELLEFTEA, SW **ESNS** CIV N64°37.49' E21°04.61' 157 UTC+1(+2DT) **H-1C, L-1D**
RWY-10 L5,39,50 (6890x148 ASP PCN 44 F/B/X/T) L5,11,50 **RWY-28**

SERVICE - LGT - PAPI Rwy 10 MEHT 55.8', Rwy 28 MEHT 56.4'. **FUEL** - Avbl dur Twr hr.
(NC-100LL, A1) **FLUID** - De-Ice.

REMARKS - RSTD - PPR for ops outside Twr opr hr. **CSTMS/IMG** - CSTMS avail O/R fone
C+46 (0)8456 66 20. **MISC** - Ldg fees. Increased charges outside Twr opr hr. Arpt admin
fone C+46 (0)910 576 00.

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COMMUNICATIONS - TWR - (R) (V) 122.05 REMARKS: Opr 0500-2300Z++ Mon-Fri, 0715-2130Z++ Sat, 1015-2300Z++ Sun. Opr hr may be reduced around hol by NOTAM.
NAVAIDS - SKELLEFTEA VORW-DME - HA 113.400 SKA CH 81 (060/50) N64°37.60' E21°04.76' At Fld. 174/(A)5°00.0'E UNMTO **VHF/DF**
ILS/RADAR - ➡ ILS - BRG 281° LCZR NS 109.5 GS 3° LOM OS 369

SKIEN/GEITERYGGEN, NO See GEITERYGGEN

SKIROS, GR LGSY MIL N38°58.05' E24°29.23' 44 UTC+2(+3DT) **H-15D, L-12H**
RWY-18 L6,50 (9849x98 ASP) L6,50 **RWY-36**
9308➔ ←7224
←61QSII UNK (145' OVRN) HOOK UNK(B) (1718')
HOOK UNK(B) (3295') 61QSII UNK (135' OVRN) ➔
SERVICE - LGT - PAPI Rwy 18 GS 2.75°. PAPI Rwy 36 O/S UFN. **FUEL** - (NC- 100LL, J4, J8)
REMARKS - Opr by NOTAM. **RSTD** - PPR. **CAUTION** - 9597' x 98' parl twy marked as VFR rwy for emerg use only.
COMMUNICATIONS - APP - (U) 123.2 362.3 **TWR - (U)** 123.2 257.8 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++)(2989 Opr 1700-0400Z++)
NAVAIDS - SKIROS VORW-DME - HA 116.600 SKS CH 113 (040/25) N38°58.64' E24°29.41' At Fld. 44/3°28.5'E **SKYROS TACAN** - HA SKY CH 108 (070/25) N38°58.57' E24°29.50' At Fld. 48/3°28.5'E Opr SR-SS
ILS/RADAR - ■ RADAR - Opr 0500-1300Z++ Mon-Fri, OT and hol 30 min PN. ASR GCA - 123.2 344.0 PAR - Final Controller 123.2 385.4

SKIVE, DA EKSIV CIV N56°33.01' E9°10.38' 74 UTC+1(+2DT) **L-2E**
RWY-14 L1,6 (3933x98 ASP PCN 12 F/A/Y/T) L1,6 **RWY-32**
SERVICE - LGT - 3-step rwy lgt - 120.0. **FUEL** - (NC-100LL)
REMARKS - Opr 0800-1700Z++ Mon-Fri, 0900-1700Z++ Sat, Sun and hol. OT PPR dur 0600-1500Z++ Mon-Fri, fone C(+45) 99 15 12 96. **CAUTION** - Possible gldr/PJE act.
CSTMS/IMG - Avbl with PN dur 0600-1500Z++ Mon-Fri and 2 hr prior to flt start. **MISC** - Ldg fees.
COMMUNICATIONS - RDO - (V) 120.0 **KARUP APP** - Opr H24. 120.425 292.75
NAVAIDS - VHF/DF

SKOPELOS, GR VORW-DME - HA 113.400 SKP CH 81 (150/50) N39°10.85' E23°36.95' 1218/(A)1°00.0'E **TACAN** - HA SKL CH 24 (150/50) N39°10.87' E23°36.68' 973/(A)1°00.0'E **H-15D, L-12H**

SKOPJE ACC, MK LWSK SKOPJE CON - (R) West 119.375 East 120.575
H-4F-15D, L-12G

SKOPJE, MK LWSK MIL/CIV N41°57.70' E21°37.28' 781 UTC+1(+2DT) **H-4F-15D, L-12G**
(B) **RWY-16** L4,5 (8038x140 ASP PCN 76 F/D/W/T) L2,3,4,5,9,10,50 **RWY-34**
SERVICE - AOE LGT - PAPI Rwy 34 GS 3.3°. **FUEL** - A1 (Makpetrol A.D.) Ltd to Army OPS. Fone C389-2-119-026. **FLUID** - De-Ice
REMARKS - Opr 0430-2130Z++. **MISC** - Camp Able Sentry, Skopje, recorded wx obsn avbl on freq 118.025.
COMMUNICATIONS - ATIS - Opr H24 130.125 **APP** - Opr H24. **(R)** 120.3
TWR - Opr H24. 118.5
NAVAIDS - SKOPJE VORW-DME - HA 112.800 SKJ CH 75 N41°56.10' E21°37.83' 344° 1.6 NM to Fld. 872/(A)2°00.0'E **SINKO VORW-DME** - HA 111.450 SIN CH 51(Y) N41°58.85' E22°21.93' 265° 33.3 NM to Fld. 3891/3°27.6'E **SKOPJE NDB** - HW 442.000 BU N41°43.90' E21°41.70' 343° 14.2 NM to Fld. Unk/3°20.3'E **VHF/DF**
SIN VOR-DME SIN unuse 280°-350° blw FL 130
ILS/RADAR - ILS-DME 34. ■ RADAR - GCA Call CON.

SKOVDE, SW ESGR CIV N58°27.38' E13°58.36' 324 UTC+1(+2DT) **H-2G, L-2F**
RWY-01 L5,34,50 (5696x98 ASP PCN 12 F/B/X/T) L5,33,50 **RWY-19**

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SERVICE - LGT - PAPI Rwy 01 MEHT 45', PAPI Rwy 19 MEHT 50'. **FUEL** - Avbl
0600-1700Z++ Mon-Fri and O/R thru afd admin. (NC-100LL, A1)

REMARKS - RSTD - PPR for IFR t/c thru AFIS. **CAUTION** - Extv glider act dur sum. **NS**
ABTMT - IFR dep: On take-off Rwy 01 and Rwy 19 climb straight ahead to SY 1.5 DME
before initiating turn. **CSTMS/IMG** - CSTMS avbl O/R fone C+46 (0)8 456 66 20. **MISC** -
Ldg fees. Increased charges outside fuel hr. Afd admin fone C+46 (0)500 46 30 30, fax
C+46 (0)500 46 31 99; AFIS fone C+46 (0)500 46 31 83.

COMMUNICATIONS - AFIS - Opr O/R, 6 hr PN. **(V)** 122.325

NAVAIDS - VHF/DF

ILS/RADAR - ➔ **ILS-DME** - BRG 195° LCZR SY 108.3 CH 20 GS 3° LOM NS 384.

SKRYDSTRUP, (VOJENS) DA **EKSP** MIL/CIV N55°13.53' E9°15.84' 141 UTC+1(+2DT)

H-2G-5C, L-2E

RWY-11L L5,33,50 (9863x150 PEM C5) L5,33,50 **RWY-29R**

BAK-14 DUAL(B) (1955') BAK-14 DUAL(B) (1955')

RWY-11R L7,50 (9750x80 PEM B737) L7,50 **RWY-29L**

HOOK 34D-1F(B) (1480') HOOK 34D-1F(B) (1562')

SERVICE - AOE LGT - PAPI all rwy GS 2.75°. **A-GEAR** - Rwy 11L-29R BAK-12/14 apch end
arrestment O/R. Rwy 11R-29L 34D-1F/SP posn for dep arrestment, apch end arrestment
avbl with 10 min PN mil HS. **FUEL** - 100LL, A1, J8 by arng. **FLUID** - De-Ice. **OIL** -
O-123-148-149-156

REMARKS - Opr 0500-2300Z++ Mon-Fri; by arng Sat, Sun and hol. Mil opr 0630-1430Z++
Mon-Thu, 0630-1230Z++ Fri. ATC opr hr with GCA/PAR avbl 0700-1415Z++ Mon-Thu,
0700-1215Z++ Fri. **RSTD** - 24 hr PPR req fone mil OPS C+45 74 54 13 40. **CAUTION** -
Cable launched glider act dur wkends, hol outside mil hr. **MISC** - Ldg fees.

COMMUNICATIONS - APP - Opr H24. **(R)** 127.475 300.075 362.3 **ARR** - Opr HO. **(R)** (E)
291.7 344.0 **TWR** - Opr H24 **(E)** 128.325 259.875 257.8

NAVAIDS - SKRYDSTRUP VORTACW - HA 110.400 SKR CH 41 (080/50) N55°13.74'
E9°12.84' 096° 1.7 NM to Fld. 138/(A)1°00.0'E **UHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 285° LCZR SRY 109.35 GS 2.75° LOM SP 321 **RADAR** - SEE
TERMINAL FLIP FOR RADAR MINIMA.

SKULTE, LG See RIGA INTL

SKYROS, GR See SKIROS

SLEAP, UK **NDB** - MHW 382.000 SLP N52°50.02' W2°46.42' Unk/3°32.1'W **H-3D-5A, L-3A**

SLEIPNER A, NO **NDB-DME** - MHW 349.000 SPA CH 102 N58°22.00' E1°54.42' 417/2°33.6'W **H-2F, L-3D**

SLIAC, LO **LZSL** MIL/CIV N48°38.27' E19°08.05' 1043 UTC+1(+2DT) **H-4E-6J, L-10F-22F** **RWY-18L** (7678x197 CON PCN 38 R/B/X/T) L2,6,9,11,50 **RWY-36**

SERVICE - LGT - PAPI Rwy 36 GS 3.5°. **FUEL** - (NC-100, A1)

REMARKS - CSTMS/AG/IMG - PN 24 hr.

COMMUNICATIONS - APP - **(R)** 119.15 122.9 135.0 121.825 121.833 **REMARKS**: Call TWR
(TWR provides APP svc.) (Mil 135.0 121.825 121.833) **TWR** - **(R)** **(V)** 119.15 122.9 121.3
135.0 **REMARKS**: (Civ 119.15 122.9 121.3) (Mil 135.0)

NAVAIDS - SLIAC VORW-DME - HA 114.000 SLC CH 87 N48°27.19' E19°06.95' 001°
11.1 NM to Fld. 1670/(A)2°00.0'E

ILS/RADAR - ➔ **ILS** - BRG 359° FS 108.7 GS 3.5°

SLIGO, EI **EISG** CIV N54°16.81' W8°35.95' 11 UTC 0(+1DT) **H-3D, L-3B** **(B)** **RWY-11** L7,50 (3933x98 ASP PCN 23 F/B/Y/T) L7,9,23,50 **RWY-29** 3835→ ←3835

SERVICE - LGT - PAPI Rwy 11/29 MEHT 20'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0800-1815Z++. **CAUTION** - Lo level turb in wind fr 150° to 230°.
CSTMS/AG/IMG - 24 hr PN req to arpt admin.

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COMMUNICATIONS - TWR - 122.1 GND - 122.1 INFO - 122.1X

**NAVAIDS - SLIGO NDB-DME - MHW 384.000 SLG CH 27 N54°16.72' W8°35.47' At Fld.
15/6°18.0'W**

SLOVENJ GRADEC, SI **LJSG** CIV N46°28.32' E15°07.02' 1645 UTC+1(+2DT)

L-10E

RWY-14 (3950x70 ASP)

RWY-32

3630→

REMARKS - PPR 72 hr PN rqr.

COMMUNICATIONS - AFIS - 123.5

SMARA, WI **VORW-DME - HA 117.700 MBA CH 124 N26°44.20' W11°40.08'
350/4°52.5'W H-11C, L-19A**

SOCOTRA INTL, (SOCOTRA MOORI) YM **SOCOTRA ISLAND OYSQ** MIL/CIV

N12°37.84' E53°54.35' 146 UTC+3 **H-14G, L-20H**

RWY-03 L50 (10827x148 ASP PCN 60 F/B/W/U)

L50 RWY-21

REMARKS - Opr SR-SS, H24 O/R.

COMMUNICATIONS - TWR - 118.1 GND - 121.6 RDO - 7595

**NAVAIDS - SOCOTRA NDB - HW 280.000 SCT N12°37.81' E53°54.48' At Fld.
150/0°14.0'W**

SODANKYLA, FI **EFSS** CIV N67°23.70' E26°37.15' 602 UTC+2(+3DT) **L-1D**

RWY-16 L5,33,50 (4921x98 ASP PCN 31 F/B/X/T)

L5,50 RWY-34

**SERVICE - FUEL - (NC-100LL, A1) (A1 avbl dur AFIS hr with 3 hr PN, OT fone C358 0400-970
130/C358 0206-863 894). FLUID - De-ice O/R**

**REMARKS - Opr HO. CAUTION - Gldr act with acft tows and winch launches to 2700'
AGL. CSTMS/IMG - Avbl PPR.**

**COMMUNICATIONS - AFIS - Clsd UFN, avbl O/R 48 hr PN, fone C358 400-396 735 or
C358 016-610 109. (V) 123.4 119.7**

SODERHAMN, SW **ESNY** CIV (SWAF) N61°15.69' E17°05.94' 88 UTC+1(+2DT)

H-2G, L-1C

RWY-03 (2625x56 ASP)

RWY-21

RWY-12 L5,50 (8281x131 ASP PCN 25 F/B/X/T)

L5,24 RWY-30

←8053

←J-BAR UNK (130' OVRN)

J-BAR UNK (575' OVRN) →

**SERVICE - LGT - PAPI Rwy 12 MEHT 49'. A-GEAR - When twr clsd, may be in upright posn
and lgtd. FUEL - Avbl O/R fone C+46 (0)270 133 33 (NC-100LL, A1)**

**REMARKS - Opr PPR, fone C+46 (0)270 133 33. RSTD - Rwy 03-21 nml not used. MISC -
Ldg fees. INCR charges 1500-0700Z++ Mon-Fri, H24 Sat-Sun.**

COMMUNICATIONS - AFIS - (E) 135.35X

**NAVAIDS - SKALLEN NDB - HW 337.000 OZ N61°13.63' E17°10.78' 308° 3.1 NM to Fld.
Unk/4°06.2'E VHF/DF**

**ILS/RADAR - → ILS-DME - BRG 308° LCZR CL 110.5 CH 39X GS 2.86°. DME ident SDR. LCZR
and DME freq not paired.**

SOESTERBERG, (UTRECHT) NL **EHSB** MIL N52°07.64' E5°16.57' 66 UTC+1(+2DT)

H-5C-6G, L-5A

RWY-09 L4,5,41,43 (10089x148 ASP)

L4,5,24,50 RWY-27

8601→

←8484

BAK-14 44B-4H(B) (1231')

BAK-14 44B-4H(B) (1130')

**SERVICE - AOE JASU - 2(DSA 150); (DSA 600);(JAS). FUEL - Avbl 24 hr PN. A1+ OIL -
0-148-149 TRAN ALERT - Opr 0700-1500Z++ Mon-Fri. Ltd tran prk. Drct inquiries for svc
and PPR to OPS Coord Cntr C034633-8985.**

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REMARKS - Opr 0700-1545Z++ Mon-Fri. **RSTD** - PPR. Req PPR fr OPS Coord Cntr (OCC), fone C034633-8985, fax C034633-8989. **CAUTION** - Tree growth sur afld to incl final apch to Rwy 09. Wx balloons released 3 NM W of afld ev 6 hr beginning at 0000Z. **TFC PAT** - All VFR jet fr tfc should enter tfc at pt ALPHA, 180° 7 NM SSB TACAN. Apch pt ALPHA on a N hdg, Wg level at 2000'. Rpt to Soesterberg Twr over pt ALPHA. **MISC** - Gldr act Sat, Sun and hol SR-SS. Base OPS C034633-6523.

COMMUNICATIONS - RAPCON WEST - 123.575 375.875 **APP** - 373.425

TWR - Opr HO, OT ctc Dutch Mil Info 132.35 **(E)** 129.925 347.575 257.8

NAVAIDS - SOESTERBERG TACAN - HA SSB CH 105 (040/25) N52°07.70' E5°16.53' At Fld. 49/0°25.2'W

ILS/RADAR - ➔**ILS-DME** BRG 272° LCZR SBO 108.55 CH 22Y GS 3°

SOFIA ACC, BU **LBSR CON-(V)** 120.75 120.75 **128.525** 128.525 **129.1** 129.1 **130.15** 130.15 **131.1** 131.1 **134.1** 134.1 **135.025** 135.025 **H-4G, L-12G, H**

SOFIA, (VRAZHDEBNA) BU **LBSF CIV** N42°41.71' E23°24.37' 1742 UTC+2(+3DT)

H-4G, L-12H

RWY-09 L5,33,50 (9186x147 ASP PCN 45 F/B/X/T)

L5,50 **RWY-27**

SERVICE - AOE **LGT** - Papi Rwy 09 operates on the right side only. **FUEL** - A1 (Litasco Bulgaria) fone C35-92-917-4179

COMMUNICATIONS - ATIS - 124.05 **APP - (R) (V)** 123.7 129.9 **TWR - (V)** 118.1 120.4

NAVAIDS - SOFIA DVORW-DME - HA 112.600 SOF CH 73 N42°41.92' E23°23.38' At Fld. 1772/(A)2°00.0'E **SOFIA NDB** - MHW 375.000 F N42°41.83' E23°22.57' 092° 1.3 NM to Fld. Unk/3°41.3'E **SOFIA NDB/LMM** - MHW 335.000 S N42°41.67' E23°26.13' 269° 1.3 NM to Fld. Unk/3°41.8'E **SOFIA NDB** - MHW 350.000 SOF N42°41.53' E23°28.00' 274° 2.7 NM to Fld. 1732/3°42.1'E **SOFIA NDB** - MHW 529.000 SF N42°41.88' E23°18.33' 092° 4.5 NM to Fld. Unk/3°40.7'E **BOZHOURISHTE NDB** - HHW 312.000 BOZ N42°46.50' E23°11.50' 117° 10.6 NM to Fld. Unk/3°40.1'E **VHF/DF**

ILS/RADAR - ILS

SOGNDAL, NO **VORW-DME** - T 114.200 SOG CH 89 N61°09.01' E7°09.58' 1652/(A)2°00.0'E **H-2F, L-1C**

SOKOTO, NI See SADIQ ABUBAKAR III INTL

SOLA, (STAVANGER SOLA) NO **ENZV CIV** N58°52.60' E5°38.27' 29 UTC+1(+2DT)

H-2F, L-2E-3D

RWY-11 L2,5,38,50 (8035x148 ASP PCN 65 F/A/W/U)

L5,7,35,50 **RWY-29**

7706→

←7534

RWY-18 L2,5,7,35,50 (9369x197 ASP PCN 65 F/A/W/T)

L5,7,35,50 **RWY-36**

8877→

←8877

SERVICE - AOE **LGT** - PAPI Rwy 29 GS 3.5°. **FUEL** - Avbl 0500-2100Z++ Sun-Fri, 0500-1930Z++ Sat, OT O/R. (NC-100LL, A1)

REMARKS - **RSTD** - Mil acft opr 0630-1430Z++ Mon-Fri, clsd hol. Aft tkof Rwy 18-36 all jet and multi-engine acft climb straight ahead past ZOL 3 DME before starting turn. PPR Diplomatic clnc req to COMAIRNORTH. Twy C2 and F3 clsd. Twy C3 ltd ops, clsd for F16. **CAUTION** - Maj const at arpt btn 02 May - 30 Sep 06. See NOTAMS for inst, rwy, ALS, and twy closures while WIP. PJE act. **NS ABTMT** - See AP/2 Supplementary Arprt Info. **RWY** - Rpt LDA Rwy 11-29 7215', Rwy 18-36 8385'.

COMMUNICATIONS - ATIS - Opr 0520-2230Z++ Sun-Fri, 0520-2100Z++ Sat 126.0

RADAR - Opr 0600-2230Z++ Sun-Fri, 0600-2000Z++ Sat. **(R)** 119.6 363.675

ARR - Call ARR Opr 0600-2230Z++ Sun-Fri, 0600-2000Z++ Sat. **(R)** 118.5 119.4

TWR - (R) 118.35 122.1 257.8 279.05 **GND** - HO 121.75

NAVAIDS - SOLA DVORW-DME - HA 116.850 ZOL CH 115(Y) N58°52.50' E5°38.41' At Fld. 56/(A)3°00.0'W **SOLA TACAN** - T SOA CH 59(Y) N58°52.55' E5°38.12' At Fld. 62/(A)3°00.0'W **SOLA NDB/LOM** - MHW 352.000 ZO N58°57.43' E5°38.12' 181° 4.8 NM to Fld. Unk/0°58.2'W **VARHAUG NDB** - MHW 319.000 VAR N58°37.63' E5°37.69' 003° 15.0 NM to Fld. Unk/0°56.3'W **RENNESØY NDB** - MHW 378.000 RSY N59°07.99' E5°38.51' 183° 15.4 NM to Fld. 10/0°59.2'W

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ILS/RADAR - ILS - SEE TERMINAL FLIP FOR ILS 18 and ILS-DME 36 DATA. ➔ **ILS-DME** - BRG 108° LCZR ZL 109.5 CH 32(X) GS 3°.

SOLBERG, NO **NDB** - MHW 414.000 SLB N60°00.75' E10°58.44' 019° 11.5 NM to GARDERMOEN. Unk/1°19.4'E **H-2G, L-2F**

SOLENZARA, FR **LFKS** MIL N41°55.46' E9°24.36' 28 UTC+1(+2DT) **H-7C-15B, L-12E**
RWY-18 L5,24,50 (8619x148 CON PCN 80 R/B/W/T) L5,50 **RWY-36**
A40 UNK (20' OVRN) 500S (1298') 500S (1296') A40 UNK (7' OVRN)

SERVICE - A-GEAR - O/R, 20 min setup rqr. **FUEL** - Avbl 0700-1630Z (0600-1400Z sum).
100LL, J8 **FLUID** - OXRB LOX LHOX **OIL** - O-133-147-155

REMARKS - Opr 0715-1615Z++ Mon-Thu, 0715-1045Z++ Fri, OT O/R before 1300Z++ Fri.
RSTD - Clsd to public air tfc. PPR. Trans apvl Nr in block 18 of FPL. PPR fone C33.4.95.57.81.45 extn 80205, 82204 or 81300. Ovft of airbase proh blw 1500'.
CSTMS/AG/IMG - Avbl O/R.

COMMUNICATIONS - APP - (R) (E) 119.9 139.15 142.45 234.4 337.925 339.0 362.3
379.45 **TWR - (E)** 118.35 241.825 257.8

NAVAIDS - SOLENZARA TACAN - HA SZA CH 87 (200/60) N41°56.25' E9°24.97' At Fld.
28/1°8.0'E **SOLENZARA NDB** - MHW 349.500 SZA N41°56.00' E9°23.64' At Fld.
28/1°8.0'E (80 NM-W) Unuse btn 080° -120° **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 180° LCZR SZA 109.1 GS 2.5°. ■ **SOLENZARA RADAR** - Call SOLENZARA APPROACH - **(U)** ASR - 337.925 Use rstd due to terrain. Unsvc in W sctr. 339.0 PAR- 119.9 139.15 337.925 339.0

SOLLEFTEA, SW See KRAMFORS SOLLEFTEA

SOLLENAU, AU **DVORW-DME** - HA 115.500 SNU CH 102 (060/50) N47°52.49' E16°17.31' 038° 18.1 NM to SCHWECHAT. 891/(A)1°00.0'E VOR MP 1300-1500Z++2nd Thu. DME MP 0800-1000Z++2nd Thu. Unuse byd 40 NM to N. **H-4E, L-10E, L-6J**

SOLLINGEN, GM See KARLSRUHE BADEN BADEN

SOMESANI, RO See CLUJ NAPOCA

SOMOSIERRA, SP **DVORW-DME** - HA 115.400 SIE CH 101 N41°09.10' W3°36.28' 5659/2°17.3'W **H-3A-16I, L-11B**

SON BONET, (MALLORCA) SP **LESB** CIV N39°35.93' E2°42.17' 135 UTC+1(+2DT) **L-11C**

RWY-06 (3281x72 ASP SWL28)

RWY-24

SERVICE - FUEL - Opr by NOTAM (NC-100LL, A1)

REMARKS - Opr SR-SS. **RSTD** - VFR only. **MISC** - Rpt arr/dep to Palma OPS.

COMMUNICATIONS - PALMA APP - (R) 119.4 **PALMA TWR - (E)** 118.3
PALMA OPS - 130.25

SONDERBORG, DA **EKS**B CIV N54°57.86' E9°47.50' 24 UTC+1(+2DT) **H-2G-5C, L-2E**

(B) **RWY-14** L5,34,50 (5895x98 ASP PCN 40 F/A/W/T)

L5,34,50 **RWY-32**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0600-2200Z++ Mon-Fri, 0630-1700Z++ Sat, 0800-2000Z++ Sun, 1000-1600Z++ hol. OT PPR 1 hr before clsd. **CSTMS/IMG** - Avbl 1 hr PN. **MISC** - Ldg fees. Aprt fone C+45 74 42 2130, fax C+45 74 42 1121 e-mail post@eks.dk. AFIS fone C+45 73 42 2170, fax C+45 74 42 3073.

COMMUNICATIONS - AFIS - (V) 126.4

ILS/RADAR - ➔ **ILS-DME** - BRG 319° LCZR CIM 111.15 CH 48(Y) GS 3° LCTR SB 330

B-410 AIRPORT/FACILITY DIRECTORY

SON SAN JUAN, SP See PALMA DE MALLORCA

SORREISA, NO **NDB/LOM** - MHW 338.000 SA N69°06.16' E18°11.67' 111° 8.0 NM to BARDUFOSS. 320/5°42.3'E **L-1C**

SORRENTO, IT **VORW-DME** - HA 112.200 SOR CH 59 (100/50) N40°34.95' E14°20.11' 1653/(A)1°00.0'E MP 0830-1000Z++ 1st Tue. **NDB** - MHW 426.000 SOR N40°34.93' E14°20.03' Unk/2°03.9'E

SOR DME MRA within 40 NM	050°-080° 15,000'
	080°-140° 8000'
	140°-050° 10,000'
SOR FREQ PROT	300°-045° 60NM 50,000'
	045°-300° 120NM 50,000'
SOR VOR MRA byd 40 NM	050°-060° unuse
	060°-085° 14,000'
	085°-130° 11,000'
	130°-050° 10,000'
SOR VOR MRA within 20 NM	100°-280° 5000'
	280°-100° 10,000'
SOR VOR R-084 MRA	within 30 NM 11,000'
	within 55 NM 17,000'
	byd 55 NM unuse
SOR VOR R-127 MRA	within 60 NM 11,000'
	btn 60 NM and 80 NM 14,000'
	byd 80 NM unuse
SOR VOR R-139 MRA	within 64 NM 10,000'
	btn 64 NM and 80 NM 12,000'
SOR VOR R-158 MRA	within 50 NM 8000'
	btn 50 NM and 65 NM 11,000'
	byd 65 NM unuse
SOR VOR R-199 MRA	within 50 NM 8000'
	btn 50 NM and 65 NM 10,000'
	btn 65 NM and 74 NM 14,000'
	byd 74 NM unuse
SOR NDB MRA byd 40 NM	100°-340° 7000'
	340°-100° 10,000'

H-15C, L-12F

SORSTOKKEN, (STORD SORSTOKKEN) NO **ENSO** CIV N59°47.52' E5°20.45' 160 UTC+1(+2DT) **H-2F, L-1B**

RWY-15 L1,5,34,45	(3937x98 ASP PCN 35 F/B/X/U)	L1,5,34,45 RWY-33
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SERVICE - LGT - ACTIVATE - Apch, PVASI and strip lgt both rwy, press trans for 5 sec on 120.2. **JASU** - 1(ST-45) **FUEL** - Avbl dur INFO hr. (NC-100LL, A1)

REMARKS - CAUTION - Windshear likely on short final Rwy 15. Bird act near Rwy 15 thld. **NS ABTMT** - Climb rwy hdg to 1000' MSL before turning. **MISC** - Rwy 15-33 TODA 4364'.

COMMUNICATIONS - INFO - 0500-2000Z++ Mon-Fri, 0600-1900Z++ Fri, 1500-2000Z++ Sun, clsd Sat. 120.2

NAVAIDS - STORD DVORW-DME - HA 113.400 STD CH 81 N59°47.24' E5°20.66' At Fld. 222/(A)3°00.0'W **VHF/DF**

SOUCELLE, FR **LF--/LF50** PVT N47°34.82' W0°24.74' 255 UTC+1(+2DT) **L-7B**

RWY-07	(3150x48 ASP)	RWY-25
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SOUCHE, FR **LFBN** CIV N46°18.68' W0°24.09' 203 UTC+1(+2DT) **H-7A, L-8F**

RWY-07 L7,9	(5774x98 ASP S46 T69 ST88 TT125)	L7,9 RWY-25
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SERVICE - FUEL - (NC-100LL, A-1)

REMARKS - Opr 0730-1100Z++ 1300-1700Z++ Mon-Fri; O/R before 1700Z++ prev bus day for Sat, Sun and hol.

COMMUNICATIONS - COGNAC APP - Opr 0715-1600Z++ Mon-Thu; 0715-1515Z++ Fri. (R) (U) 122.55 **NIORT INFO** - 119.1

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SOUDA, (IOANNIS DASKALOGIANNIS) GR **LGSA** MIL N35°31.90' E24°08.98' 490

UTC+2(+3DT) **H-10G, 15E, L-14H**

(B) **RWY-11** L5,9,34,50 (10982x148 ASP PCN 53 F/B/X/U)

L5,9,33,50,51 **RWY-29**

← J-BAR RAF (EOR) HOOK 44B-2D(B) (1428')

HOOK BAK-13(B) (2219') J-BAR RAF (45' OVRN) →

SERVICE - AOE **LGT** - ABn W/green coded SUD. Rwy dist remaining mkr not lgtd; twy not mrk. Portable OLS avbl, 30 min PN rqr. **A-GEAR** - E-28 Rwy 29 USN certified, avbl with 20 min req, max engagement 180 KIAS. AAE-44B-2E not USN certified. Rwy barrier unsuitable for tran and hi-profile acft. Acft with hook down, use extreme ctn to insure ldg byd barrier (MA-1A). Engage with canopy clsd. Req barrier down prior to tkof. **JASU** - 1(GTC-85) 2(NC-105) 3(A/M32A-108A) **FUEL** - A1(EKO Elda Abee, avbl 0400-2000Z++, OT H24 PN, C+30-21-07-725522,) (NC-100LL, 115, J4) **FLUID** - HPOX LOX HPNIT **OIL** - O-156 **TRAN ALERT** - Ltd svc avbl. No fleet servicing or maint avbl. Tran crews must be ready to provide tech drct/assistance in svc/maint/towing. Ltd towing capabilities, C-5 tow bar not avbl. Ltd manning 1800-0500Z++, exp dly. Inbd acft ctc Souda Base OPS with fuel, cargo, PAX and VIP requirements.

REMARKS - RSTD - PPR 72 hr in advance exc AMS CHANNEL/AIREVAC msn to prk on NSA ramp. PPR ctc Base OPS/ATC, DSN 314-266-1269/fax DSN 314-266-1273. Diplomatic clnc rqr for ldg at Souda afld IAW FCG. Air Ops Office, DSN 314-266-1277/C(30)282-102-1277. Air Trml Mgr, DSN 314-266-1390/fax DSN 314-266-1297, Air Trml Ops Cntr (ATOC), DSN 314-266-1391/fax DSN 314-266-1273, NEMOD9Wx, DSN 314-266-1284/fax DSN 314-266-1315. Due to ltd ramp space, C-5 OPS are rstd. All acft with VIP code 6 or abv notify Base Ops prior to arr RWY. **CAUTION** - Cntrline lgt for Rwy 29 ovrn raised 6 in to 4'. FOD haz. 2% grade on E end of N loop twy. A-G on both rwy, pilot of dep acft should line up 300' in front of net barriers. When back taxi Rwy 29, make rt turn and use low pwr to avoid FOD. **TFC PAT** - Lt tfc Rwy 29, rgt tfc Rwy 11. Do not ovft WEPS compound lctd 2 NM NE of afld. **MISC** - S parl twy, 11,001' x 90', mrk and lgt for use as Emerg Rwy 11R/29L. N Parl twy 9856' x 98'. USN controllers in Base OPS only. USN crash crew avbl. Billeting reservations call DSN 314-266-1601, gnd transportation to/fr hotel, ctc SPA tours, DSN 314-266-1524 or C+30 282-102-1524. Flt wx briefings will be conducted by joint OPS at NAFD/21 OWS Sembach, GM. METOC DSN: 496-6145/46, C+49 6302 67 6145/46. Fax DSN: 496 6184 C+49 6302 67 6184, e-mail: ows.ops@sembach.af.mil. Lcl PMSV circuits no longer mnt at Souda.

COMMUNICATIONS - APP - (E) 118.125 121.1 122.1 362.3 **TWR - (E)** 121.1 122.1 257.8 **GND** - 121.7 **BULL PEN** - (DET 1, 95 RS) 278.95 **PMSV METRO** - Wx brief avbl fr Navy Wx Det. 359.4 **CHANIA RDO** - 5637 2989 (5637 Opr 0400-1700Z++) (2989 Opr 1700-0400Z++) **BASE OPS** - 359.4 **RANGER BASE** - (EP-3 Det) 252.4

NAVAIDS - CHANIA VORW-DME - HA 108.600 SUD CH 23 (040/25) N35°31.32' E24°10.46' 293° 1.3 NM to Fld. 530/(A)0°0.0'E **SOUDA TACAN** - HA SUD CH 49 (100/25) N35°32.66' E24°06.74' 112° 2.0 NM to Fld. 492/3°07.6'E **CHANIA NDB** - MHW 409.000 SUD N35°31.25' E24°09.13' At Fld. Unk/3°7.0'E
SUD VOR unuse byd 25 NM blw 9000'

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

SOUMMAM, (BEJAIA) AG **DAAE** CIV N36°42.72' E5°04.20' 20 UTC+1 **H-9C, L-14E**

RWY-08L7

(7874x148 ASP PCN 47 F/B/X/U)

L7,43 **RWY-26**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0700-1500Z. **CAUTION** - Animals on the maneuvering areas.

COMMUNICATIONS - BEJAIA TWR - Opr 0600-1800Z. 118.9 119.7

NAVAIDS - BEJAIA NDB - MHW 423.000 BJA N36°42.40' E5°01.48' 082° 2.2 NM to Fld. Unk/0°10.8'E

ILS/RADAR - -LOC-DME 27 BRG 265° LCZR BJ 110.5 CH 42

SOUNION, GR **NDB** - MHW 319.000 SUN N37°40.08' E24°02.70' Unk/3°18.0'E **T-2E**

SOUTHAMPTON, (EASTLEIGH) UK **EGHI** CIV N50°57.02' W1°21.41' 44

UTC 0(+1DT) **H-6F, L-4G**

(B) **RWY-02** L4,5,23,50 (5653x121 ASP PCN 52 R/B/X/T)

L4,5,23,50 **RWY-20**

5413→

←5508

SERVICE - AOE **LGT** - PAPI Rwy 02 GS 3.1° MEHT 42', PAPI Rwy 20 MEHT 51'. **FUEL** - (NC-100LL, A1) **FLUID** - WAI HPOX **OIL** - O-123-125-149-156

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REMARKS - Opr 0625-2100Z Mon-Fri, 0615-2000Z Sat, 0900-2100Z Sun, OT PPR.
(0545-2030Z Mon-Thu, 0545-2115Z Fri, 0630-1915Z Sat, 0800-2000Z Sun; OT PPR DT)
RSTD - PPR 2000-2030Z++. Arpt strictly PPR to all GAT, MIL and Non-sched acft due to rstd prk. Req should be made via Arpt Ops, fone C44-02380-627102. **RWY** - Rptd LDA Rwy 20 5266'.

COMMUNICATIONS - ATIS - Opr HO 113.35 **REMARKS: SAM VOR-DME APP - (R)**
128.85 **TWR** - Opr 0625-2100Z Mon-Fri, 0625-2000Z Sat, 0735-2100Z Sun. (Arpt hrs sum).
118.2 **GND** - 121.775 **OPS** - 130.65

NAVAIDS - SOUTHAMPTON VORW-DME - HA 113.350 SAM CH 80(Y) (100/50) N50°57.32' W1°20.70' At Fld. 66/(A)4°00.0'W (150/50 228°-318°). On rad 208 VOR Flag alarms and DME unlocks may be experienced at rng exceeding 30 NM blw 8000'.

SOUTHAMPTON NDB - MHW 391.500 EAS N50°57.30' W1°21.37' At Fld. Unk/2°39.4'W
ILS/RADAR - ILS-DME 20 ■ RADAR - ASR

SOUTHEND, UK EGMC CIV N51°34.28' E0°41.73' 49 UTC 0(+1DT) **H-6F, L-4G**
(B) **RWY-06** L5,41,50 (5023x121 ASP PCN 39 F/B/X/T) L5,41,50 **RWY-24**
4452→ ←4544

SERVICE - AOE LGT - PAPI Rwy 24 GS 3.5° MEHT 48. **FUEL** - (NC-100LL, A1) **OIL** -
O-117-123-149-156

REMARKS - RSTD - PPR 2200-0800Z++. **CAUTION** - Dep fr the mrk movement area can be haz. A public road runs thru the undershoot of Rwy 06 close to the rwy end. **RWY** - Rpt LDA Rwy 24 - 4590.

COMMUNICATIONS - ATIS - Opr 0800-2200Z++, OT by arng. 121.8 **APP** - Opr 0800-2200Z++, OT by arng. 130.775 **TWR** - Opr 0900-1800Z++, OT by arng. 127.725
RDR - Opr 0900-1800Z++, OT by arng. 130.775 128.95

NAVAIDS - VHF/DF

ILS/RADAR - ➡ ILS-DME - BRG 236° LCZR IND 111.35 CH 50(Y) GS 3.5°.

SPA, BE NDB - MHW 386.500 SLV N50°28.68' E5°54.78' 1542/0°04.4'W (10 NM-W)
H-6H, L-5A

SPADEADAM ACC, UK (RAF) SPADEADAM RADAR - (R)122.1 369.15 LARS -
NEW CASTLE APP CON - (R) (U)124.375 284.6

SPANGDAHLEM AB, GM ETAD AF N49°58.36' E6°41.55' 1197 UTC+1(+2DT)

VFR, H-6H, L-6G
(B) **RWY-05** L2,3,4,5,9,11,50 (10007x148 ASP PCN 78 R/A/W/T) L2,3,4,5,9,10,50 **RWY-23**
←MB100 (60' OVRN) HOOK BAK-12A(B) (1090') HOOK BAK-12A(B) (2120')
HOOK BAK-12A(B) (2505') HOOK BAK-12A(B) (1478') MB100 (60' OVRN) →

SERVICE - AOE LGT - Rwy 05/23 PAPI RRP not coincidental with ILS/PAR RPI. Rwy 23 apch lgt 2400'. Rwy edge lights are posn 13 ft fr edge of usable rwy sfc. **A-GEAR** - BAK 12(B) 20 min PN req. **JASU** - 3(M32A-60) 3(32A-86) **FUEL** - J8 **FLUID** - SP De-Ice LOX **OIL** - O-148 **TRAN ALERT** - Full svc 0600-2100Z++ Mon-Fri, 0700-1900Z++ Sat, 1100-1900Z++ Sun and GM hol. Ltd svc avbl on wkend-prior coord rqr. Ltd tran fac/prk. No fleet svc avbl.

REMARKS - Opr 0500-2100Z++ wkcd, 0700-1900Z++ Sat, 1100-1900Z++ Sun and GM hol.
RSTD - PPR at least 24 hr prior to arr exc AMC sched msn (in GDSS). . Ctc Base OPS ETS 452-6633/6048, C49-6565-61-6633/6048; fax: ETS 452-7467 C49-6565-61-7467 attn Base OPS; or thru AFTN: ETADYFYX. Pass VIP/haz cargo info 30 min prior to ldg to Comd Post/ or Base OPS. Airlift/ AMC acft ctc Comd Post 30 min out prior to ldg. 52 F/W Intel is avbl for mission support. Base OPS will provide point of ctc info. Ramp 4 rstd to C-130 and smaller. Conc portion of ovrn rstd to daylt use only. KC135 and larger proh fr taxing past arm/dearm pads on Twy P when acft are present. C17, KC10, C141 rstd fr using Twy B W of rwy wo apvl fr Afld Mgr. Acft not on AMC sched msn carrying haz cargo coord w Base OPS no later than 48 hr prior to arr. Crash recovery/emerg response capabilities ltd AMC acft. C-5 and larger rqr wing-walkers on Twy P abm PAR and PAR antennas. Twy F ltd to acft with wingspan 38' or less. Twy E rstd to C-130 and smaller. AMC aircrews preface all AMCC VHF calls w/Spangdahlem. Non-TACC exec AMC sched missions or AMC sched missions outside normal opr hrs and quiet hrs rqr 726 AMS/DO appr; contact AMCC at DSN314-452-4139. Acft on AMC sched mission ctc Sp;angdahlem AMCC 30 min out prior to ldg. AMC acft ctc ATC on UHF. All acft must use taxi lines when transiting Ramp 5. Arpt offl business only weekend and hol. **CAUTION** - Large acft must use min pwr settings dur taxi OPS, inboard eng only. Ldg illusions exist on apch to Rwy 23. A 500' valley 0.5 NM short of thld may create the illusion that acft is abv GP on short final; Ceil often lo than rpt due to valley. Use ctn taxiing on ramp taxi lanes and ramps due to large volume of unctd veh tfc. Visual illusion on Rwy 05 and Rwy 23. Ovrn consists of 500' asphalt then 500' of conc leading to thld. The upslope of the ovrn and terrain causes a visual illusion of a steep GP. The asphalt/conc juncture creates a rwy/thld illusion short of the actual thld. Exer ctn while ldg when wet, a lower than avg BA and hydroplaning potential exists at ea rwy TD and cntrline 2000' fr the Rwy 23 end. Twy E hammerhead clsd FOD haz. 500' conc portion of ovrn/underrun apch end Rwy 05 and Rwy 23 keeled, may be used for taxi only. Midfield mnt lctd cntr 500' into Rwy 23 dep end ovrn. Textile A-G susceptible to pronounced 2 G-loading dur arrest potentially causing excessive rollback. 20' hi ILS ant 153' fr pavement end on cntrln ldg Rwy 23, 20' hi ILS ant 52' fr pavement end on cntrln ldg Rwy 05. No auto-coupled apchs Rwy 05/23. AMC acft should avoid ldg on Apch end rwy arresting system cables. C-130 or larger should expect straight in apch to full stop. **TFC PAT** - VFR tfc pat alt to SE, overhead 2700', rectangular 2200', lgt acft 1700'. Bitburg Arpt is 252° 6 NM. USAFE acft only, reduced rwy separation apv for same type acft 3000' SR-SS and 6000' SR-SS when there is a reduced BA rpt or flw a formation or btn different type acft. **NS ABTMT** - Quiet hr in eff fr 2100-0600Z++ dly, Sun no tkof prior to 1200Z++ for jet acft. Dep after practice apch to Rwy 23 should avoid ovft of village 1.2 NM fr DER. **MISC** - Rwy 05-23 ASP is grooved sfc, fst 986' Rwy 23 and 493' Rwy 05 is grooved conc sfc. VIS determined at 40' AGL. Wx full svc Mon-Fri 0430-2100Z++, Sat 0700-1900Z++, Sun and GM hol 1100-1900Z++, hr vary according to lcl flying. When wx clsd, wx info avbl fr USAFE OPS Wx Squadron (OWS) DSN 496-6145/6. Wx and ATC facilities conduct cooperative wx watch for more accurate ceil and vis determination. Dur BWC Code MODERATE and SEVERE, aircrews should comply with owning MAJCOM/ unit guidance; aircrews can obtain current BWC fr ATIS/PTD/TWR. Classified stor at Comd Post. No COMSEC avbl.

COMMUNICATIONS - **PTD** - 138.4 278.175 **ATIS** - Opr dur lcl Wg flying only. 143.425 244.5 **RHEIN RADAR** - (R) (E) 387.15 **TWR** - (E) 122.2 256.5 257.8 **GND** - 138.8 308.85 **CLNC DEL** - 308.85 **LIPPE RADAR** - 314.6 **LANGEN RADAR** - (R) (E) 125.6 340.125 340.325 **GCA** - (R) (E) 129.475 341.475 **COMD POST** - 258.7 **PMSV METRO** - 284.425 **SOF** - 141.775 247.05 **AMC AIRLIFT AMCC** - 131.975 314.2

NAVAIDS - **SPANGDAHLEM TACAN** - HA SPA CH 32 (060/30) N49°58.74' E6°41.86' At Fid. 1161/(A)0°00.0'E MP 0300-0700Z++Tue.
 SPA TACAN unuse

325°-030° byd 15 NM blw 6000'
 030°-065° byd 25 NM blw 4200'
 065°-085° byd 15 NM blw 5000'
 085°-135° byd 25 NM blw 5000'
 160°-170° byd 25 NM blw 4000'
 215°-225° byd 25 NM blw 2700'
 250°-325° byd 25 NM blw 4200'

ILS/RADAR - **ILS** No NOTAM MP: 2100-0430Z++ Tue, Wed. Lczr unuse byd 14NM blw 3200'.
RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA. No NOTAM MP: PAR 2100-0430Z++ Sun, Mon, Thu. MP ASR 2100-0430Z++ Sun, Tue-Thu.

SPARTI, GR **LGSP** MIL N36°58.43' E22°31.58' 500 UTC+2(+3DT) **L-14H**
RWY-06
 3080→ (3280x75 ASP)

RWY-24
 ←3178

B-414 AIRPORT/FACILITY DIRECTORY

REMARKS - CAUTION - 8 ft poles w/ 52 ft of Rwy 6/24

SPESSART, GM **NDB** - MHW 370.000 PSA N49°51.73' E9°20.90' Unk/1°00.5'E
H-6H, L-6H

SPEYER, GM **EDRY** CIV N49°18.17' E8°27.07' 312 UTC+1(+2DT) **L-6G**
(B) **RWY-17** L5,50 (4022x98 ASP AUW22) L5,50 **RWY-35**
2916→ ←3570
RWY-17R (3281x98 GRS AUW4.4) **RWY-35L**

SERVICE - LGT - PAPI Rwy 17-35 GS 5.5°. **FUEL** - (NC-100LL, A)

REMARKS - Opr 0600-1900Z Mon-Fri; 0800Z-SS+30 Sat, Sun and hol; OT PPR 2 hr before 1900Z. (0500-1800Z Mon-Fri; 0700-1800Z Sat, Sun and hol; OT PPR before 1800Z DT).

RSTD - Rdo rqr to opr on twy G. Ultralghts and VFR ngt flts PPR. Fone C06232-76603.

CAUTION - Three cranes 640 ft MSL, 2,460 ft in front of thr and 492 ft E of rcl for rwy 17 until 31Mar07. Gldr act Sat, Sun and hol. **NS ABTMT** - Before 0600Z++, btn

1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol.

CSTMS/IMG - Avbl O/R 1 hr PN. **RWY** - Rwy 17 TORA 3570, Rwy 35 TORA 2916.

COMMUNICATIONS - LANGEN INFO - 128.95 **INFO** - 118.075 15NM 3000 ft AGL.

NAVAIDS - VHF/DF

SPIJKERBOOR, NL **DVORW-DME** - HA 113.300 SPY CH 80 (100/50) N52°32.42'
E4°51.23' 195° 14.3 NM to SCHIPHOL. 103° 25.1 NM to LEYSTAD. 26/(A)2°00.0'W
(150/50 NW) **H-5C-6G, L-5A**

SPLIT, HR **LDSP** CIV N43°32.34' E16°17.88' 79 UTC+1(+2DT) **H-4E, L-12F**
(B) **RWY-05** L5,9,39,50 (8366x148 ASP PCN 49 R/C/W/T) L5,9,12,50 **RWY-23**
←7841

SERVICE - AOE FUEL - A1+ (Air BP/INA), (NC-100LL)

REMARKS - Opr 0530-2100Z++ **CAUTION** - Bird haz.

COMMUNICATIONS - APP - (R) (V) 120.875 120.55 125.3 121.2 **TWR - (V)** 124.675
118.1 **INFO** - 128.675

NAVAIDS - SPLIT VORW-DME - HA 115.700 SPL CH 104 N43°29.79' E16°18.28' 351°
2.6 NM to Fld. 734/(A)1°00.0'E **TROGIR NDB/LOM** - HW 378.000 TRI N43°29.81'
E16°13.35' 050° 4.2 NM to Fld. 167/2°32.2'E **DRVENIK NDB** - MHW 418.000 DVN
N43°26.80' E16°08.62' 051° 8.7 NM to Fld. 117/2°31.2'E **VHF/DF**

ILS/RADAR - ➔ILS - BRG 052° LCZR IST 110.5 CH 104 GS 3°.

SPREMBERG WELZOW, (WELZOW) GM **EDCY** CIV N51°34.73' E14°08.35' 375
UTC+1(+2DT) **L-5D, H-5E**
(B) **RWY-04** L6 (6562x98 CON) L6,38 **RWY-22**

SERVICE - FUEL - (NC-100LL, A1)

REMARKS - Opr 0900-1500Z, (0800-SS+30/1800Z DT) O/T PPR. **CAUTION** - Ultralgt acft,
gldr, balloons, airships and model act.

COMMUNICATIONS - BERLIN INFO - (E) 125.8 **INFO** - 134.85 15NM to 3000ft AGL.

NAVAIDS - VHF/DF

STAD, NL **NDB** - HHW 386.000 STD N51°44.48' E4°14.61' 2/0°44.4'W **H-6G, L-5A**

STADSKANAAL, NL **NDB** - MHW 315.000 STK N52°59.80' E6°53.74' 18/0°04.0'E
H-5C, L-5B

STADTLOHN VREDEN, GM **EDLS** CIV N51°59.75' E6°50.44' 157 UTC+1(+2DT)
L-5B
(B) **RWY-11** L7,50 (3215x66 ASP AUW12.5) L7,38,50 **RWY-29**
←2930

SERVICE - FUEL - (NC-100LL, A1)

AIRPORT/FACILITY DIRECTORY B-415

REMARKS - Opr 0800Z++-SS, 0700Z-SS/1900Z DT, OT PPR. C(02563)-3333. **CAUTION** - Bird haz; ints glidr act Sat, Sun, hol; PJE act N. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol.

COMMUNICATIONS - **LANGEN INFO** - 129.875 **INFO** - 119.2

NAVAIDS - **VHF/DF**

STANSTED, UK **EGSS** CIV N51°53.10' E0°14.10' 348 UTC 0(+1DT) **H-6F, L-4G**
RWY-05 L3,4,5,33,50 (10000x150 ASP PCN 86 R/C/W/T) L3,4,5,33,50 **RWY-23**

SERVICE - **AOE FUEL** - A1 (Stansted Refueling Co.)

REMARKS - **RSTD** - NORDO proh.

COMMUNICATIONS - **ATIS** - 127.175 114.55 **APP** - Call ESSEX RADAR **(R)** 120.625

DIRECTOR - 126.95 **TWR** - 123.8 125.55X **GND** - 121.725 **CLNC DEL** - Opr hr bcst on ATIS. 121.95

NAVAIDS - **BARKWAY VORW-DME** - HA 116.250 BKY CH 109(Y) (040/25) N51°59.38' E0°03.72' 137° 9.0 NM to Flt. 486/(A)4°00.0'W **STANSTED NDB** - HW 429.000 SSD N51°53.68' E0°14.70' At Flt. Unk/2°12.0'W

ILS/RADAR - **ILS-DME** - 05, 23 **RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

STAUNING, DA **EKVJ** CIV N55°59.41' E8°21.23' 17 UTC+1(+2DT) **L-2E**
(B) **RWY-09** L1,5,9,34,50 (4757x98 ASP PCN 21 F/A/Y/T) L1,5,9,34,50 **RWY-27**
3934→ ←3934

SERVICE - **LGT** - ABn opr when acft exp at ngt or in lo vis dur day. **FUEL** - Avbl 0700-1530Z++ Mon-Fri, 0900-1500Z++ Sat, Sun, hol. (NC-100LL, A1) **FLUID** - De-Ice

REMARKS - Opr 0700-1530Z++ Mon-Fri; clsd Sat, Sun, hol. **CAUTION** - Rwy 09/27 LDA, TORA, TODA 3934'. **CSTMS/IMG** - Avbl O/R 1 hr PN. **MISC** - Ldg fees. PPR for self-svc. Req self-svc not later than 1 hr before A/D clsd, C (+45) 97 36 90 44.

COMMUNICATIONS - **BILLUND APP** - Opr H24. 127.575 364.65 **AFIS** - 121.4

ILS/RADAR - **LOC** - BRG 275° LCZR SVJ 110.1 LCTR VJ 328

STAVANGER ACC, NO **ENSV** (RNoAF/CIV) **(R) (E) CON/RADAR** - (**S Sctr** 120.65 264.875) (**N Sctr** 124.7 363.65) (**W Sctr** 135.675 279.075) (**Offshore Sctr** 125.55 128.0) (**SAR** 3023x 5680x) **H-2F-5B, C, L-1B, C-2E-3D**

STAVANGER/SOLA, NO See SOLA

STEFAN CEL MARE, (SALCEA) RO **LRSV** CIV N47°41.25' E26°21.24' 1375 UTC+2(+3DT) **H-4G, L-10I**
RWY-16 L3,7 (5906x98 CON PCN 14 R/D/W/T) L3,7,11 **RWY-34**

SERVICE - **FUEL** - (NC-J)

REMARKS - Opr 0500-1700Z++. **CSTMS/IMG** - Avbl

COMMUNICATIONS - **TWR** - 118.3 **PRECISION** - **(R)** 120.9

NAVAIDS - **SUCEAVA DVORW-DME** - HA 112.300 SCV CH 70 N47°40.34' E26°21.65' At Flt. 1302/4°51.2'E

ILS/RADAR - **RADAR** - PAR-Call PRECISION 120.9

STEFANIK NORTH, LO **NDB/LOM** - HHW 391.000 OKR N48°13.43' E17°17.42' 221° 4.5 NM to M R STEFANIK. Unk/3°01.5'E **H-4E-6J, L-10F**

STEFANIK SOUTH, LO **NDB/LOM** - MHW 330.000 OB N48°06.89' E17°17.90' 311° 4.8 NM to M R STEFANIK. Unk/3°01.2'E **H-4E-6J, L-10F**

STEFANOVIKION, GR **LGSV** MIL N39°28.80' E22°46.03' 146 UTC+2(+3DT) **H-15D, L-12G**

RWY-06 L7 (4275x98 ASP SWL15)

L7 **RWY-24**

SERVICE - **JASU** - 1(A-3) **FUEL** - (NC-100LL, 115, J4)

REMARKS - Opr 0530Z++-SS+5 Mon-Thu, 0530-1230Z++ Fri-Sun.

B-416 AIRPORT/FACILITY DIRECTORY

COMMUNICATIONS - TWR - (E) 123.5 285.15
NAVAIDS - STEFANOVIKION TVORW - T 112.900 STV (050/25) N39°28.81' E22°46.29'
At Fld. 146/3°17.7'E STEFANOVIKION NDB - MHW 522.000 STF N39°27.94' E22°44.96'
042° 1.2 NM to Fld. Unk/3°17.4'E

STEGEN, NO NDB - MHW 369.000 STG N61°51.65' E6°22.06' 1650/0°55.2'W H-2F, L-1B

STEINHOF, AU NDB - MHW 293.000 STE N48°12.64' E16°14.83' 113° 14.3 NM
to SCHWECHAT. 1056/2°47.0'E MP 0800-0930Z++1st Thu. H-4E, L-6J-10E

STENDAL BORSTEL, (STENDAL) GM EDOV CIV N52°37.73' E11°49.20' 184
UTC+1(+2DT) L-5D, H-5D
(B) RWY-08L7 (6552x171 CON PCN 31 R/B/W/T) L7,38,50 RWY-26
RWY-08L (2297x131 GR5) RWY-26R

SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0800Z-SS+30 (0700-1700Z DT), OT PPR. CAUTION - Twys A and E clsd.
PJE, ultralgs and balloons. RWY - Up to AUW31 PPR.
COMMUNICATIONS - BERLIN INFO - 132.65 251.375 INFO - 122.4

STOCKERAU, AU VORW-DME - HA 113.000 STO CH 77 (060/50) N48°25.03'
E16°01.12' 750/(A)1°00.0'E VOR MP 1300-1500Z++2nd Tue. DME MP 0800-1000Z++2nd
Tue. H-4E-6J, L-6J-10E

STOCKHOLM ACC, SW ESOS (CIV) CON - (R) 118.2 118.27 (118.4 OSTGOTA
TCA) 131.12 132.47 132.7 133.45 133.7 TRML CON CNTR - Call CON - 123.75 VHF/DF
H-2G, H, L-1C-2F, G

STOCKHOLM ARLANDA, SW See ARLANDA

STOCKHOLM BARKARBY, SW See BARKARBY

STOCKHOLM BROMMA, SW See BROMMA

STOCKHOLM SKAVSTA, SW See SKAVSTA

STOCKHOLM VASTERAS, SW See VASTERAS

STOKKA, (SANDNESSJOEN STOKKA) NO ENST CIV N65°57.41' E12°28.14' 56
UTC+1(+2DT) H-1C, L-1C
RWY-03L1,5,7,17,45 (3563x98 ASP PCN 15 F/C/X/U) L1,5,7,17,45 RWY-21
3301→ ←3218

SERVICE - LGT - ACTIVATE-Apch, PVASI and strip lgt both rwy, press trans for 5 sec on
120.3. Both rwy PVASI GS 4.5°, Rwy 21 PVASI area cntr 4° N RCL. FUEL - Avbl
0430-2215Z++ Mon-Fri; 0500-1330Z++ Sat; 0930-1700Z++, 2000-2130Z++ Sun. (NC- A1)
FLUID - De-Ice-avbl dur fuel hr.
REMARKS - CAUTION - Severe turb in E to SE wind. Windshear/eddies may occur on short
final Rwy 03 in 20+ Kt SE winds and to Rwy 21 in 30+ Kt W-NW winds.
COMMUNICATIONS - GND - 121.9 AFIS - Opr 0350-2115Z++ Mon-Fri, 0350-1300Z++
Sat, 1015-2200Z++ Sun. (V) 120.3
NAVAIDS - STOKKA VORW-DME - HA 112.000 STO CH 57 N65°57.63' E12°28.17' At Fld.
137/(A)0°00.0'E VHF/DF
ILS/RADAR - ➔LOC - BRG 194° LCZR ST 109.9 LCTR HD 414. LCZR offset 8° E of RCL and
rstd to ± 10°.

STORCK BARRACKS, GM See ILLESHEIM AHP

STORD/SORSTOKKEN, NO See SORSTOKKEN

STORNOWAY, UK EGPO CIV N58°12.93' W6°19.87' 26 UTC 0(+1DT)

H-2E-5A, L-1A-3C

RWY-07 L7,50,53

(3281x75 ASP PCN 9 F/B/Y/U)

L7,50,53 **RWY-25**

RWY-18 L5,20,50

(7218x151 ASP PCN 47 F/A/W/T)

L5,23,50 **RWY-36**

6824→

SERVICE - AOE **LGT** - PAPI Rwy 07 GS 4°, PAPI Rwy 25 GS 3.5° **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700-1900Z++ Mon-Fri; 0700-1645Z++ Sat; 1345-1545Z++, 1630-1900Z++ Sun. OT by arng. **RSTD** - PPR. Rwy 07-25 licensed daylight only, not avbl to acft exceeding 12,566 lb, exc when crosswind component exceeds 15 Kt on Rwy 18-36 or when Rwy 18-36 not avbl. 394' sec of ASP S of Rwy 36 thld is unfit for use by acft. **CAUTION** - Severe downdrafts may be experienced on apch to Rwy 18 and 25. Balloons released at 0515, 1115, 1715 and 2315Z++ dly. Bird haz.

COMMUNICATIONS - **ATIS** - 0730-1830Z++ Mon-Fri; 0730-1700Z++ Sat; 1230-1830Z++ Sun. 115.1 On STN VOR Freq. **APP** - 123.5 **TWR** - 123.5 **AFIS** - (By arng outside arpt hr) 123.5

NAVAIDS - **STORNOWAY VORW-DME** - HA 115.100 STN CH 98 N58°12.42' W6°10.98' 283° 4.7 NM to Fld. 250/(A)7°00.0'W (200/50 in sctr 172°-112°)

STORNOWAY NDB-DME - HW 431.000 SAY CH 46 (050/10) N58°12.93' W6°19.74' At Fld. 24/6°22.9'W

STORUMAN, (GUNNARN) SW ESUD MIL (CIV) N64°57.65' E17°41.79' 915 UTC+1(+2DT) **H-1C, L-1C**

RWY-15 L5,23,50

(7490x131 ASP PCN 30 F/B/X/T)

L2,5,33,50 **RWY-33**

SERVICE - **LGT** - Both rwys have two PAPI; civ PAPI is 525' past the mil PAPI. Mil PAPI Rwy 15 GS 2.86° MEHT 49', civ PAPI Rwy 15 MEHT 49'. Mil PAPI Rwy 33 GS 2.86° MEHT 54', civ PAPI Rwy 33 GS 3.2° MEHT 54'. **FUEL** - (NC-A1)

REMARKS - Opr PPR; mil ctc Froson, fone C+46 (0)63 19 70 00, civ fone C+46 (0)951-154 45.

COMMUNICATIONS - **CON** - Opr by mil NOTAM. Provides Twr svc. **(E)** 133.8

AFIS - Opr O/R C+46 (0)951 154 45 or C+46 (0)951 400 34. **(V)** 133.8

MIL INFO - Opr O/R fr Froson. 133.8

NAVAIDS - **STORUMAN VORW-DME** - HA 116.300 SUM CH 110 (100/50) N64°57.33' E17°42.50' At Fld. 958/(A)3°0.0'E **VHF/DF**

ILS/RADAR - **→ILS** - BRG 329° LCZR IPD 110.3 GS 3.2° LCTR GUN 348. Do not use coupled autopilot.

STOTT, NO **NDB** - MHW 317.000 STT N66°55.62' E13°26.31' 50/2°43.0'E **H-1C, L-1C**

STRACHOWICE, PL EPWR CIV N51°06.16' E16°53.15' 404 UTC+1(+2DT) **H-8F-5E, L-5E-22E**

RWY-12 L5,38,50

(8202x197 CON PCN 57 F/B/X/T)

L2,5,33,50 **RWY-30**

SERVICE - AOE **FUEL** - A1 (Wroclaw Airport, fone C 48 71 358 1329) (NC-100LL)

COMMUNICATIONS - **WROCLAW TWR** - 127.225

NAVAIDS - **TRZEBNICA VORW-DME** - HA 113.600 TRZ CH 83 N51°18.49' E17°06.86' 212° 15.1 NM to Fld. 787/(A)1°00.0'E **WROCLAW NDB** - MHW 255.000 H N51°05.71' E16°54.62' 294° 1.0 NM to Fld. Unk/3°07.2'E **WROCLAW NDB** - MHW 525.000 HG N51°04.95' E16°57.09' 294° 2.8 NM to Fld. Unk/3°07.9'E

ILS/RADAR - **ILS**

STRASBOURG, FR **VORW-DME** - HA 115.600 STR CH 103 (060/50) N48°30.32' E7°34.32' 048° 3.0 NM to ENTZHEIM. 586/(A)1°0.0'E (150/50 135°-225°; 60/50 225°-045°) **H-6H, L-6G**

STRAUBING, (STRAUBING WALLMUHLE) GM EDM5 CIV (GAM)

N48°54.06' E12°31.09' 1054 UTC+1(+2DT) **L-6I**

(B) **RWY-10** L5,9,50

(4429x98 ASP PCN 40 R/B/X/T)

L5,9,39,50 **RWY-28**

4101→

B-418 AIRPORT/FACILITY DIRECTORY

SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0800Z-SS, 0500-0800Z and SS-2100Z PPR 2hrs before SS. Nov-Feb 0800Z-SS PPR Sat, Sun and hol. (0700-SS/1700Z, 0400-0700Z and SS/1700-2000Z PPR 2hr before SS, DT). **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/IMG** - Avbl if nothing to declare. 30 min dly before dep/aft arr.
COMMUNICATIONS - **ATIS** - 135.525 **MUNCHEN RADAR** - 132.55 **INFO** - 124.65 25 NM 4000 ft AGL **MUNCHEN INFO** - H24 120.65
NAVAIDS - **VHF/DF**

STRAUBING WALLMUHLE, GM See STRAUBING

STRAUBERG, GM **EDAY** CIV N52°34.80' E13°54.94' 263 UTC+1(+2DT) **L-5D**
(B) **RWY-05** L7,38,50 (3937x92 CON) L7,38,50 **RWY-23**
RWY-05R (3937x131 GRS) **RWY-23L**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0800Z++-SS/1700Z; 0500-0800Z++, SS-2100Z++ PPR 2 hr before SS (0800Z-SS Sat, Sun, hol PPR Nov-Feb). **RSTD** - Avoid ovft of Strausberg, Klosterdorf, Hohenstein and Gartenstadt. **CAUTION** - Flw **INFO** inst for taxi on twy and rwy.
CSTMS/AG/IMG - Passport clnc wo PN. Cstm clnc on req til 0930Z++ on prev workday.
COMMUNICATIONS - **BERLIN INFO** - 132.65 251.375 **INFO** - 123.05

STREJNIC, RO **VORW-DME** - HA 113.200 STJ CH 79 N44°55.11' E25°58.62' 161° 21.5 NM to HENRI COANDA. 545/4°22.2'E **H-4G, L-10I**

STROMMEN, NO **NDB** - MHW 345.000 STM N66°17.41' E13°46.13' 100/2°51.7'E **H-1C, L-1C**

STROMSUND HALLVIKEN, SW See HALLVIKEN

STRUMBLE, UK **VORW-DME** - HA 113.100 STU CH 78 (085/50) N51°59.68' W5°02.42' 600/(A)6°00.0'W (300/70 in sctr 214°-334°) **H-3C, L-3B-4E**

STURUP, (MALMO STURUP) SW **ESMS** CIV N55°31.81' E13°22.30' 236 UTC+1(+2DT) **H-2G-5D, L-2F**
RWY-11 L7,12 (2615x75 ASP PCN 15 F/B/X/T) L7,12 **RWY-29**
RWY-17 L3,4,5,10,50 (9186x148 ASP PCN 80 F/B/X/T) L4,5,11,50 **RWY-35**
SERVICE - **AOE LGT** - PAPI Rwy 17 MEHT 59.0', Rwy 35 MEHT 60.4'. **FUEL** - Avbl 0300-2300Z++ Mon-Fri, 0500-2300Z++ Sat, Sun. (NC-100LL, A1)
REMARKS - **MISC** - If able, do not use more than idle reverse, or equivalent, btn 2100-0600Z++. Start-up push-back and taxi PPR from ATC. No APU except engine start or cabin heat adjust. No APU run before 5 min fr est push back or taxi time.
COMMUNICATIONS - **ATIS** - 129.275 **MALMO CON** - (R) (V) 135.9 135.125 (135.9 N)(135.125 S) **TWR** - (R) (V) 118.8 121.7
NAVAIDS - **STURUP VORW-DME** - HA 113.000 SUP CH 77 (080/50) N55°32.07' E13°22.77' At Fld. 270/(A)1°00.0'E **STURUP NDB/LOM** - MHW 420.000 SS N55°27.61' E13°23.53' 349° 4.3 NM to Fld. Unk/2°14.7'E **STURUP NDB/LOM** - MHW 351.000 NS N55°36.69' E13°21.64' 174° 4.9 NM to Fld. Unk/2°14.3'E **VHF/DF**
ILS/RADAR - ➔ **ILS-DME** - BRG 171° LCZR NMS 111.9 CH 77 GS 3° LOM NS 351. DME info fr SUP VOR-DME. ➔ **ILS-DME** - BRG 351° LCZR SMS 108.1 CH77 GS 3° LOM SS 420. DME info fr SUP VOR-DME.

STUTTGART, (STUTTGART AAF ECHTERDINGEN AAF) GM **EDDS** MIL/CIV
N48°41.39' E9°13.32' 1276 UTC+1(+2DT) **VFR, H-6I, L-6H**
(B) **RWY-07** L2,3,4,5,9,10,50 (10974x148 CON PCN 80 R/C/X/T) L2,3,4,5,9,10,50 **RWY-25**
9990→

AIRPORT/FACILITY DIRECTORY B-419

SERVICE - AOE **LGT** - PAPI Rwy 07 MEHT 56', PAPI Rwy 25 MEHT 60'. **JASU** - 2(A/M 32A-86) 1(MA-1A) **FUEL** - J8, A1 (Air BP/SFS) avbl 0330-2200Z++ Fone C49-7119484040. Aft hrs 8 hr prior ntc, \$334.63/occurrence, fone C49-7142200144. (NC-100LL). **FLUID** - De-Ice

REMARKS - Mil afld opr hr 0500-2100Z++ Mon-Fri; 0600-1400Z++ Sat, Sun. Opr hrs will be strictly adhered to. **RSTD** - OFFL BUS ONLY. Mil side PPR due to limited prking, excld home based acft. All PPR req 48 hr PN to Base OPS and Arfld Management via DSN 421-4273 or fax 421-4109 or AFTN EDDSYXYX. PPR should be req no earlier than 7 days. PPR only valid for 60 min after ETA. Once invalid acft will not be permitted to use Mil Ramp. **CAUTION** - Freq seasonal bird concentration on/near rwy. Twy stopbars avbl on Twy A, B, C, D, E, F, G, H, dur Cat 1 lo vis opr. Cranes vcnty apch end Rwy 07 to 241' AGL. **NS ABTMT** - Strict compliance with VFR Arr/Dep Rte rqr. **MISC** - Arr acft ctc Base OPS 30 min prior to ldg with intentions.

COMMUNICATIONS - § **BASE OPS PTD** - 31.8X 141.65 343.55 **ATIS** - Opr 0450-2250Z++ 126.125 60NM/FL200 **DIR** - (R) (E) 119.85 280.8 **TWR** - (E) 118.8 119.05 284.025 378.35 **GND** - (E) 118.6 **CLNC DEL** - (E) 121.9 **REMARKS**: Initial call and start req **LANGEN RADAR** - (R) (E) 119.2 125.05 340.425 **APRON** - (E) 121.7 **LANGEN INFO** - 128.95 **DEICING** - 136.825

NAVAIDS - **LUBURG VORW-DME** - L 109.200 LBU CH 29 (040/50) N48°54.78' E9°20.41' 199° 14.2 NM to Fld. 1064/(A)0°00.0'E (60/50 315°-135°) **STUTTGART DME** - T SGD CH 101(Y) (025/10) N48°41.28' E9°13.45' At Fld. 1332/1°00.4'E **STUTTGART NDB/LOM** - MHW 384.000 SY N48°40.15' E9°06.85' 073° 4.5 NM to Fld. Unk/0°58.6'E **STUTTGART NDB/LOM** - MHW 306.000 SG N48°42.68' E9°20.10' 254° 4.7 NM to Fld. Unk/1°02.2'E **VHF/UHF/DF**

ILS/RADAR - **ILS ■ RADAR** - ASR - 125.05 119.2 119.85 338.65 279.35

KELLEY BKS AHP, GM **ED--/ED40** A N48°43.50' E9°10.80' (32UNU1323896901) 1392 UTC+1(+2DT)
(50x50 ASP UH60)

SERVICE - **LGT** - Bdry lgt avbl.

REMARKS - Opr SR-SS Mon-Fri, exc medical emerg. **RSTD** - 2 hr PPR. Ctc EASG, DPTM-S at DSN 421-2040/2041. Gen/Flag officers only (code 4 and above), exc medical evac utility copters. No ovft of Kelley Bks. **CAUTION** - Obst Asemwald apartments NE of pad. **TFC PAT** - All ldg to the W, tkof to the E. **NS ABTMT** - Avoid Asemwald High-rise by min 600m. **MISC** - Acft remaining on helipad will be attended by their crews at all times.

COMMUNICATIONS - **BASE OPS PTD** - 31.8X 141.65 343.55 **REMARKS**: Relay down or off time to Stuttgart Base OPS. Ctc Stuttgart Twr prior to dep.

PATCH BKS AHP, GM **ET-/ET32** A N48°43.60' E9°04.69' (32UNU0575497080) 1558 UTC+1(+2DT)
(50x50 GRS UH60)

REMARKS - Opr SR-SS. No opr before 0630Z++ or aft 1830Z++. **RSTD** - 24 hr PPR, EAD MIL DSN 421-4218/4108. No ovft of civ or mil bldg. **CAUTION** - Obst all quad. **TFC PAT** - Prim arr 150...., dep 330.... over ball diamond. For hi wind cond altn arr 280.... and dep 100.... Make steep apch to cntr of athletic fld (unmrk), hover to pad lctd mid-pt of S side of fld abm steps. Max performance dep fr cntr of fld. **MISC** - DV code 3 or hi exc medical evac utility copters. Rstd to UH-60 and smaller R/W. Do not land unless mil police are present and fld is clear of people. Aft dropping PAX, prk acft E or NE of pad. Max gnd time 30 min. Make ldg to cntr grass area. Min hover time, brown out possible due to baseball fields.

COMMUNICATIONS - **BASE OPS PTD** - 31.8X 141.65 343.55 **REMARKS**: Relay down/off time to Stuttgart Base OPS.

STYKKISHOLMUR, IC **NDB** - MHW 382.000 SU N65°03.60' W22°45.33' Unk/18°06.2'W **H-1A, L-1A**

SUBI, PL **VORW-DME** - HA 116.700 SUI CH 114 N52°22.79' E14°35.14' 98/(A)0°00.0'E **H-8F-5E, L-5E-21A**

B-420 AIRPORT/FACILITY DIRECTORY

SUCEAVA, RO **DVORW-DME** - HA 112.300 SCV CH 70 N47°40.34' E26°21.65'
At STEFAN CEL MARE. 1302/4°51.2'E **H-4F, L-10H**

SUD CORSE, FR **LKF** CIV N41°30.03' E9°05.87' 87 UTC+1(+2DT) **H-7C-15B, L-12E**
RWY-05 L25,9,50 (8136x148 ASP L5,9 **RWY-23**)
S106 T148 ST175 TT268)

SERVICE - LGT - PAPI Rwy 05 MEHT 53'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr by NOTAM.

COMMUNICATIONS - FIGARI INFO - 118.725 **FIGARI TWR** - 120.3
FIGARI GND - 121.8

NAVAIDS - FIGARI VORW-DME - L 116.700 FGI CH 114 (040/25) N41°30.13' E9°05.01'
At Fld. 87/1°4.0'E

ILS/RADAR - ➔ **ILS-DME** - BRG 229° LCZR GR 110.5 CH 42 GS 3.5°.

SULAYMANIYAH INTL, (AS SULAYMANIWAH WEST) IZ **ORSU** CIV
N35°33.65' E45°18.88' 2494 UTC+3(+4DT) **H-13B, L-15D, 17A**
(B) **RWY-13** L7,11,50 (11481x148 CON PCN 85 R/C/Y/T) L7,11,50 **RWY-31**

SERVICE - AOE FUEL - A1.

REMARKS - RSTD - PPR rqr. VFR opr only. Afd ctc Email: suairport@yahoo.com, fone: C 96407701530273 or C 96407701505186. PPR and RAMCC slot time apv processes, as defined in the IZ AIP, still apply. Website: www.sulairport.net **MISC** - KIRKUK ACC will provide enroute svc to base of Class E Airspace (4000 ft AMSL).

COMMUNICATIONS - KIRKUK ACC - 125.3 237.325 **ADVSY SVC** - 118.3

NAVAIDS - SULAYMANIYAH VORW - HA 117.000 SUL N35°34.77' E45°17.40' 129° 1.6 NM to Fld. 2517/4°15.0'E

SULEYMAN DEMIREL, (ISPARTA INTL) TU **LTFC** CIV N37°51.33' E30°22.10' 2835
UTC+2(+3DT) **H-15E-16F, L-15A**
(B) **RWY-05** L5,11,50 (9843x148 CON PCN 120 R/D/W/T) L5,50 **RWY-23**

REMARKS - Opr by NOTAM.

COMMUNICATIONS - ISPARTA TWR - (E) 119.2 337.75 **ISPARTA GND** - 121.7

NAVAIDS - ISPARTA VORW-DME - HA 117.500 IPT CH 122 N37°51.07' E30°21.50' At Fld. 2841/4°1.0'E **ISPARTA NDB** - HW 349.000 IPT N37°51.20' E30°21.50' At Fld. Unk/4°3.0'E

SULZ, GM **DVORW** - HA 116.100 SUL (060/25) N48°22.90' E8°38.69' Unk/(A)0°00.0'E
SUL VOR unuse 277° btn 30 NM and 40 NM blw 8000'
277° btn 40 NM and 50 NM blw 11,000'
277° btn 50 NM and 60 NM blw 14,000'
282° byd 42 NM blw 8000'

H-6H, L-6F

SUMBURGH RADAR, UK **EGOR** 60°50'N 00°50'W **RADAR** -UK ATS Areas 1 and 4, Lower Airspace Ctl, North Sea Offshore RADAR Advsy, FIS and Alerting Svc. Sfc-FL 85. Opr 0715-2030Z++ Mon-Fri, 0930-1715Z++ Sat and Sun, OT by arng. (E)123.15 126.1 **L-1B-3D**

SUMBURGH, UK **EGPB** CIV N59°52.73' W1°17.73' 20 UTC 0(+1DT) **H-2F, L-1B**
RWY-06 L7 (1804x148 ASP PCN 31 F/B/X/T) L7 **RWY-24**
RWY-09 L5,34,50 (3871x151 ASP PCN 20 F/B/W/T) L5,34,50 **RWY-27**
3848➔ ←3766
RWY-15 L5,50 (4678x151 ASP PCN 31 F/B/X/T) L5 **RWY-33**
4064➔ ←4064

SERVICE - AOE FUEL - (NC-100LL, A1)

REMARKS - Opr 0730-1945Z++ Mon-Thu, 0730-2015Z++ Fri, 0900-1715Z++ Sat, 1030-1745Z++ Sun (0630-1900Z++ Mon-Fri, 0800-1630Z++ Sat, 0830-1700Z++ Sun sum). **RSTD** - Rwy 06-24 copter only. Ngd ldg on Rwy 15-33 rstd to copter only. **CAUTION** - Bird haz. **RWY** - Rpt LDA for Rwy 09 is 3553', rpt LDA for Rwy 27 is 3586', and rpt LDA for Rwy 15/33 is 4065'.

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COMMUNICATIONS - ATIS - 125.85 **RADAR** - Opr 0700-2130Z++ (R) (V) 131.3 123.15
TWR - (V) 118.25

NAVAIDS - **SUMBURGH VORW-DME** - HA 117.350 SUM CH 120(Y) (200/50) N59°52.73' W1°17.20' At Fld. 19/(A)5°00.0'W Due to terrain, low level coverage reduced 145°-165°, 290°-310°, and 350°-010°. **SUMBURGH NDB** - MHW 351.000 SBH N59°52.94' W1°17.69' At Fld. Unk/4°21.4'W

ILS/RADAR - **ILS-DME** - 09, 27 ■ **RADAR** - Call RADAR - 123.15 (131.3 North Sector)

SUNDSVALL ACC, SW **ESUN** (CIV) **CON** - (R) 125.6 131.05 132.15 135.025 **SAR** - Opr HO. 123.1 **VHF/DF**. VOR/DME navaid unmtto on RNAV rte. **H-1C, D-2G, H, L-1C, D**

SUNDSVALL HARNOSAND, SW **ESNN** CIV N62°31.69' E17°26.64' 16

UTC+1(+2DT) **H-2G, L-1C**

RWY-16 L5,9,50 (6857x148 ASP PCN 50 F/B/X/T) L5,33,50 **RWY-34**
6365→ ←6398

SERVICE - **LGT** - PAPI Rwy 16 GS 3.25° MEHT 60.0', Rwy 34 MEHT 57.4'. **FUEL** - Avbl 0600-2000Z++ Mon-Fri, 0600-1800Z++ Sat, 0700-2000Z++ Sun. (NC-100LL, A1)

REMARKS - Opr 0500-2300Z++ Mon-Fri, 0630-1215Z++ Sat, 1200-2300Z++ Sun. OT O/R. **RSTD** - Rpt Rwy 16 TORA 6397', Rwy 34 TORA 6364', Rwy 16-34 LDA 5905'. Tkof Rwy 34 nml not avbl to prop acft over AUW 15.4 or jet acft. Do not exceed idle reverse on ldg.

CSTMS/IMG - CSTMS avbl 0630-1500Z++ Mon-Fri, 4 hr PN for items other than luggage.

MISC - Ldg fees, INCR charges outside opr hr. OPS fone C+46 (0)60 19 76 00.

COMMUNICATIONS - ATIS - 127.4 **TWR** - Provides apch svc. (V) 129.55 118.1X

NAVAIDS - **SUNDSVALL DVORW-DME** - HA 113.100 SUN CH 78 (100/50) N62°31.71' E17°26.92' At Fld. 55/(A)3°00.0'E **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 156° LCZR NNN 108.7 GS 3.25°. GS horiz coverage E of RCL ltd to 4°. ➔ **ILS** - BRG 336° LCZR SNN 110.3 GS 3° LOM OS 378

SUR, MU **VORW-DME** - HA 117.500 SUR CH 122 N22°32.80' E59°29.49' 153/(A)0°0.0'E Opr on test.
SUR VOR/DME unuse blw 11,000 ft in sctrs with mtn terrain
H-14H

SUSI, FI **NDB/LOM** - MHW 345.000 SUS N63°13.20' E23°02.42' Unk/7°04.0'E **L-1D**

SUWALKI, PL **VORW-DME** - HA 117.700 SUW CH 124 N54°04.18' E22°54.02' 591/(A)3°00.0'E **H-8G, L-21B**

SVALBARD/LONGYEAR, SV See LONGYEAR

SVARTNES, (VARDO SVARTNES) NO **ENSS** CIV N70°21.32' E31°02.69' 42

UTC+1(+2DT) **L-1D**

RWY-15 L1,5,34,45 (3707x98 ASP) L1,5,34,45 **RWY-33**
3510→ ←3559

SERVICE - **LGT** - ACTIVATE - Apch, PVASI and strip lgt both rwy, press trans for 5 sec on 122.15. PVASI Rwy 15 GS 3.5°. **FUEL** - Avbl dur AFIS hr. (NC-A1) **FLUID** - De-Ice- Avbl dr AFIS hr.

REMARKS - **MISC** - Ldg fees.

COMMUNICATIONS - **VARDO INFO** - Opr 0730-2030Z++ Mon-Fri, 0830-1400Z++ Sat, 1430-2030Z++ Sun. 122.15

NAVAIDS - **VARDO VORW-DME** - HA 114.100 VRD CH 88 N70°21.46' E31°02.83' At Fld. 58/(A)11°00.0'E

SVEDA, SW **VORW-DME** - HA 116.200 SVD CH 109 (100/50) N56°10.13' E12°34.43' 39/(A)1°00.0'E **H-2G-5D, L-2F**

SVEG, SW **ESND** CIV N62°02.87' E14°25.38' 1178 UTC+1(+2DT) **L-1C**
RWY-09 L1,5,12,50 (5579x98 ASP PCN 12 F/B/X/T) L1,5,50 **RWY-27**

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SERVICE - LGT - Activate rwy and apch LIL by trans 20 sec on 122.2. PAPI Rwy 09, 27 MEHT 50'. **FUEL** - Avbl O/R (NC-100LL, A1)

REMARKS - CAUTION - Timber yd lgt 656' S and parl to apch Rwy 09. **MISC** - Ldg fees.

COMMUNICATIONS - AFIS - Opr O/R fone C0680-71 13 50. **(V)** 122.2

NAVAIDS - SVEG NDB - MHW 368.000 OY N62°02.73' E14°19.57' 085° 2.7 NM to Fld. 1176/2°53.0'E

ILS/RADAR - → LOC - BRG 086° LCZR IND 109.1 LCTR Y 327.

SVENSHEIA, NO **DVORW-DME** - HA 112.100 SVA CH 58 N58°05.07' E7°54.50' 410/(A)2°00.0'W **H-2G, L-2E**

SWANSEA, UK **EGFH** CIV N51°36.32' W4°04.07' 299 UTC 0(+1DT) **L-4F**
RWY-04 L5,38,50 (4429x151 CON PCN 15 R/C/Y/T) L5,38,50 **RWY-22**
4229→ ←4134
RWY-10 L5,55 (2812x151 ASP PCN 12 F/C/Y/T) L5,55 **RWY-28**
2704→ ←2714

SERVICE - LGT - PAPI Rwy 22 GS 3.25° MEHT 42'. **FUEL** - (NC-100LL, A1) **OIL** - O-123-125

REMARKS - Opr 0900-1730Z++. OT by arng. **RSTD** - PPR fone ATC C01792-200229.

CAUTION - Winch-launched glider act to 2000' AGL. Rwy 10-28 and 15-33 are visual rwy only. **RWY** - Rpt LDA for Rwy 04 is 4137'; rpt LDA for Rwy 22 is 3845'.

COMMUNICATIONS - RDO - 119.7

NAVAIDS - SWANSEA DME - L SWZ CH 29 N51°36.22' W4°03.92' At Fld. 299/3°49.0'W
SWANSEA NDB - MHW 320.500 SWN N51°36.13' W4°03.95' At Fld. Unk/3°49.0'W
VHF/DF

SWIDWIN, PL **EPSN** MIL N53°47.44' E15°49.58' 385 UTC+1(+2DT) **H-8F-5E, L-5E-21A**
RWY-11 L38,43 (8200x190 CON PCN 52 R/A/W/T) L38,43 **RWY-29**

SERVICE - FUEL - (NC-A1, 100LL)

REMARKS - Opr 0600-1400Z++

COMMUNICATIONS - INFO - 128.5 127.5

SWITZERLAND UAC/GENEVA ACC/ZURICH ACC, SZ
LSAG/LSAZ (CIV) **SWISS RADAR/CON - (V)** - **K1** - 133.69 (FL250 - FL280) **L1** - 134.85 (FL250-280) **M1** - 133.05 (FL250 - FL280) **K2** - 132.315 (FL290-FL320) **L2** - 126.05 (FL290-FL320) **M2** - 132.815 (FL290-320) **K3** - 134.315 (FL330 - FL350) **L3** - 124.03 (FL330 - FL350) **M3** - 134.606 (FL330-350) **K4** - 133.63 (FL360 and abv) **L4** - 128.155 (FL360 and abv) **M4** - 133.405 (FL360 and abv) **K1/L1/K2/L2** - 298.25 (non-8.33 eqpt state acft) **K3/L3/K4/L4** - 234.625 (non-8.33 eqpt state acft) **M1/M2/M3/M4** - 297.9 (non-8.33 eqpt state acft) **ALTN** - 132.835 (8.33 eqpt acft) **GENEVA SCTR SWISS RADAR/CON - (V)** **E Sctr** - 128.9 (FL240 and blw) **N Sctr** - 134.025 (FL240 and blw) **S Sctr** - 124.225 (FL240 and blw) **ALTN** - 125.55 266.55 (non-8.33 eqpt acft) **DELTA** - 119.175 **INFO** - 126.35 **ZURICH SCTR SWISS RADAR/CON - (V)** - **N** - 136.15 (FL 240 and blw) **E** - 133.9 (FL 240 and blw) **W** - 135.675 (FL 240 and blw) **S** - 128.05 (FL 240 and blw) **DELTA** - 119.225 (VFR flt within Class C, D airspace) **INFO** - 124.7 (VFR flt) **AMIKI holding stack** - 131.15 278.025 (non-8.33 eqpt state acft) **ARR /DEP** - 119.925 (EDNY, LSZR.) **H-6H-7B, C, L-6G-8H- 9A, B, C H-7B, C, L-8H-9A, B**

SWITZERLAND FIR/UIR, SZ **LSAS** For com data see Switzerland UAC/Geneva ACC/Zurich ACC.

SYERSTON, UK **EGXY** MIL (RAF) N53°01.37' W0°54.67' 228 UTC 0(+1DT)
H-5A-6F, L-3C

RWY-07 (5994x150 ASP)
RWY-12 (CLSD 4239x150 ASP)
RWY-16 (4419x150 ASP)

RWY-25
RWY-30
RWY-34

REMARKS - Opr 0830-1700Z++ Mon-Fri; 0630Z++-SS Sat-Sun. **RWY** - Rpt LDA for Rwy 07-25 is 5666'; Rwy 12-30 rpt LDA is 3911' and Rwy 16-34 rpt LDA is 4091'.

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COMMUNICATIONS - RDO - 125.425

SYLT, GM **NDB/LOM** - MHW 387.000 SLT N54°51.41' E8°24.60' 325° 4.2 NM
to WESTERLAND SYLT. Unk/0°29.0'E **H-5C, L-2E**

SYROS, (DIMITRIOS VIKELAS) GR **LGSO** CIV N37°25.37' E24°57.06' 236 UTC+2(+3DT)
L-14H, T-2F
RWY-18 L7,50 (3542x98 ASP PCN 34 F/B/X/U) L7,50 **RWY-36**
SERVICE - LGT - PAPI Rwy 36 GS 3.6°. PAPI Rwy 36 O/S UFN.
REMARKS - Opr by NOTAM. **CAUTION** - Bird haz.
COMMUNICATIONS - AFIS - (V) 118.85 **RDO** - 5637 2989 (5637 Opr 0400-1700Z++)
(2989 Opr 1700-0400Z++)

SZCZECIN, PL **NDB** - MHW 397.000 OL N53°33.30' E14°57.61' 309° 2.7 NM
to GOLENIOW. Unk/2°41.8'E **H-5E-8F, L-5GE**

SZCZYTNO, PL **NDB** - HHW 288.000 DW N53°26.23' E20°54.74' 015° 2.8 NM
to SZYMANY. Unk/4°27.4'E **H-8G, L-21B**

SZENTKIRALYSZABADJA, (VITORLAS SZENTIRALY) HU **LHSA** MIL
N47°04.67' E17°58.11' 919 UTC+1(+2DT) **H-4E, L-10F**
RWY-16 L6,12,43 (6562x197 ASP) L6,12,43 **RWY-34**
RWY-16R (5365x200 GRE) **RWY-34L**
SERVICE - A-GEAR - Net barrier end Rwy 16/34 O/S UFN. **FUEL** - (NC-A1+)
REMARKS - RSTD - PPR. Clsd UFN. Rwy 16R-34L unuse. **MISC** - MET avbl fr twr. Inform twr
of ETD upon arrival. File FPL min 2 hr prior dep.
COMMUNICATIONS - TWR - (E) 127.0 129.0
NAVAIDS - SAGVAR DVORW-DME - HA 117.700 SVR CH 124 N46°49.69' E18°07.07' 335°
16.2 NM to Fld. 418/(A)2°00.0'E **SZENTKIRALYSZABADJA NDB** - MHW 451.000 V
N47°03.66' E17°58.82' 332° 1.1 NM to Fld. 919/3°05.8'E
SZENTKIRALYSZABADJA NDB - MHW 362.000 VS N47°01.81' E17°59.80' 336° 3.1 NM
to Fld. N47/3°06.0'E

SZOLNOK, (OPERA) HU **LHSN** MIL N47°07.37' E20°14.13' 322 UTC+1(+2DT)
H-4F, L-10G
RWY-02 L6,43 (6562x229 ASP PCN 21 R/D/Y/T) L6,43 **RWY-20**
SERVICE - FUEL - (NC-J)
REMARKS - RSTD - PPR. Rwy 20 rstd to F/W acft. Thld use by jet acft ltd to 115'. Restrictions
may apply. **CAUTION** - Identical NDB freq on ea end of rwy. NDB OA and AO LOM, NDB
A and O LMM. **MISC** - Altn rwy 6561' X 164' GRS 200°/020° white arrow at apch ends,
cntrline, red prisms rwy edge. Moved line up posn 164' fr apch ends.
COMMUNICATIONS - OPERA TWR - (R) (E) 129.0 130.25
NAVAIDS - OPERA NDB - MHW 422.000 O N47°08.30' E20°14.70' 199° 1.0 NM to Fld.
322/3°34.6'E **OPERA NDB** - MHW 422.000 A N47°06.40' E20°13.60' 017° 1.0 NM to Fld.
322/3°34.2'E **OPERA NDB** - MHW 282.000 OA N47°09.80' E20°15.60' 199° 2.6 NM
to Fld. 322/3°34.9'E **OPERA NDB** - MHW 282.000 AO N47°04.90' E20°12.70' 018°
2.7 NM to Fld. 322/3°33.9'E

SZWEDEROWO, PL **EPBY** MIL/CIV N53°05.81' E17°58.66' 235 UTC+1(+2DT)
H-8F-5E, L-21A
RWY-08 L5,38,50 (8202x197 CON PCN 42 R/B/X/T) L2,5,33,50 **RWY-26**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - CSTMS/IMG - Avbl.
COMMUNICATIONS - BYDGOSZCZ TWR - 131.0 **REMARKS**: (131.0 2000-0200Z++,
0400-0600Z++, 1100-1400Z++) (128.5 0200-0400Z++ 0600-1100Z++, 1400-2000Z++)
INFO - 128.5 131.0

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NAVAIDS - BYDGOSZCZ NDB - MHW 1086.000 S N53°05.98' E18°00.75' 261° 1.2 NM
to Fld. Unk/3°35.0'E Req 10 min prior to arr. **BYDGOSZCZ NDB** - HHW 534.000 SL
N53°06.19' E18°03.18' 259° 2.8 NM to Fld. Unk/3°35.8'E Req 10 min prior to arr.

SZYMAN, PL **EPSY** PVT N53°28.91' E20°56.26' 463 UTC+1(+2DT) **H-8G, L-21B**
RWY-02 L5,33,55 (6562x197 CON PCN 23 R/B/X/T) L5,38,50,55 **RWY-20**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0600-1400Z++ Mon-Sat. **RSTD** - PPR rqr 24 hr for domestic, 48 hr for intl
air tfc. **CSTMS/IMG** - Avbl 48 hr PPR
COMMUNICATIONS - **SZCZYTNO INFO** - 118.025
NAVAIDS - **SZCZYTNO NDB** - HHW 288.000 DW N53°26.23' E20°54.74' 015° 2.8 NM
to Fld. Unk/4°27.4'E
ILS/RADAR - ➔ **ILS** - BRG 016° LCZR SZN 110.1 GS 3.0°

T DAL MOLIN, IT See VICENZA

T FABRI, IT See VITERBO

TABA INTL, EG **HETB** CIV N29°35.27' E34°46.68' 2415 UTC+2(+3DT)
H-14E-16G, L-16F
(B) **RWY-04L** L5,38,50 (13123x148 ASP PCN 70 F/B/W/U) L5,38,50 **RWY-22R**
RWY-04R L5,11,50 (13123x148 ASP PCN 70 F/B/W/U) L5,12,50 **RWY-22L**
SERVICE - FUEL - (NC-A1)
REMARKS - **CAUTION** - Main rwy (04R/22L) clsd due to WIP. Parl Twy A (04L/22R) used as
rwy. **CSTMS/IMG** - Avbl.
COMMUNICATIONS - **RDO** - 5790 3175 (3175 sby) **RADAR** - Opr 0600-1800Z. 122.8
TWR - (V) 120.3 120.8 **GND** - 121.9
NAVAIDS - **TABA VORW-DME** - HA 114.500 TBA CH 92 N29°36.40' E34°47.85' 219°
1.5 NM to Fld. 2430/3°27.3'E **TABA NDB** - HW 315.500 TBA N29°36.40' E34°44.90' 123°
1.9 NM to Fld. 2542/3°27.2'E
ILS/RADAR - ➔ **ILS-DME** - BRG 039° LCZR ITBA 109.5 CH 32 GS 3°

TABANERA, SP **VORW-DME** - HA 116.750 NEA CH 114(Y) N42°01.66' W4°06.55'
3002/2°31.1'W **H-3A-16I, L-11B**

TABARKA 7 NOVEMBRE, TS **DTKA** CIV N36°58.80' E8°52.62' 230
UTC+1(+2DT) **H-15B, L-14E**
(B) **RWY-09** L3,4,5,9,50,55 (9416x148 ASP PCN 47 F/B/X/U) L3,4,9,11,50,55 **RWY-27**
SERVICE - AOE **FUEL** - Avbl 0600-1800Z++. OT PN to DTKAYDYX. (NC-A1)
REMARKS - Opr 0700-1600Z Mon-Fri; (0600-1200Z Mon-Fri DT; 0700-1300Z Mon-Fri
Ramadan.) **CAUTION** - Rwy 09-27 WIP dly 0700-1600Z++ and eqpt 10 ft hi in area.
COMMUNICATIONS - **APP - (V)** 119.25 **TWR - (V)** 119.25
NAVAIDS - **TABARKA VORW-DME** - HA 113.300 TBK CH 80 N36°58.69' E8°53.01' At Fld.
236/(A)0°00.0'E **TABARKA 7 NOVEMBRE NDB** - HW 350.500 TK N36°58.68' E8°52.72'
At Fld. Unk/0°58.1'E

TABAS, IR **OIMT** CIV N33°40.06' E56°53.56' 2312 UTC+3:30 **H-13D, L-17C**
RWY-15 (9977x148 ASP PCN 35 F/B/X/T) **RWY-33**
SERVICE - FUEL - Opr 0345-1030Z. (NC-A1).
REMARKS - Opr 0330-1330Z, OT PPR fr Yazd/Shahid Sadoghi arpt. **CAUTION** - Animal
haz.
COMMUNICATIONS - **GND** - 121.6 **INFO** - 122.55
NAVAIDS - **TABAS NDB-DME** - HHW 395.000 TBS CH 71 N33°39.84' E56°53.98' At Fld.
2312/3°09.7'E

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TABLADA, SP **LE--/LE85** PVT N37°21.10' W6°00.87' 26 UTC+1(+2DT)

H-16H, L-11B-13C

RWY-18

(6004x116 CON)

RWY-36

COMMUNICATIONS - TWR - 126.6 139.3

TABRIZ INTL, IR **OITT** MIL/CIV N38°08.03' E46°14.10' 4459 UTC+3:30

H-13B, L-15D-17A

(B) **RWY-12L** L5,12

(11825x148 ASP PCN 70 F/D/X/T)

L5,24,50 **RWY-30R**

←61QSII UNK (250' OVRN)

HOOK UNK (2750') 61QSII UNK (475' OVRN) →

RWY-12R

(11537x98 ASP PCN 60 F/C/X/T)

RWY-30L

SERVICE - A-GEAR - Rwy 12L-30R Barrier webbing raised, 10.5' hi. **FUEL** - Opr 0230-1830Z OT O/R. (NC-100LL, A1, J4)

REMARKS - CAUTION - Animal and bird haz. **TFC PAT** - Tfc pat alt ftr acft 6000', civ jet acft 6500', other acft 5500'.

COMMUNICATIONS - INFO - Opr 0300-2100Z. 127.0 **APP - (V)** 122.5 263.6 358.0 **TWR** - 124.1 121.7 121.9 257.8

NAVAIDS - TABRIZ VORTACW - HA 112.000 TBZ CH 57 N38°08.34' E46°13.85' At Fld. 4490/(A)4°00.0'E **TABRIZ NDB** - MHW 300.000 TBZ N38°07.21' E46°14.43' At Fld. 4432/4°48.3'E **UHF/DF**

ILS/RADAR - →ILS-DME - BRG 304° LCZR ITBZ 109.9 CH 36 GS 3° **■ RADAR** - 123.7 134.1

TABUK, (KING FAISAL AB) SA **OETB** MIL N28°21.93' E36°37.13' 2551 UTC+3

H-14E, L-16F-20F

(B) **RWY-06** L5,34

(10991x148 ASP PCN 42 R/B/W/T)

L5,33 **RWY-24**

←NET UNK (168' OVRN) HOOK UNK (1680')

HOOK UNK (1466') NET UNK (198' OVRN) →

RWY-13

(10007x148 ASP PCN 42 R/B/W/T)

L5,33,50 **RWY-31**

←NET UNK (180' OVRN) HOOK UNK (1470')

HOOK UNK (1487') NET UNK (178' OVRN) →

SERVICE - LGT - VASI Rwy 31 GS 3.25° **FUEL** - J8 (Saudi ARAMCO, fone C966-2-685-7570) (NC-J4)

REMARKS - RSTD - PPR Fone C04-422 1462, telex 681076 PCATBK SJ, fax C04-442-9240.

COMMUNICATIONS - ATIS - 115.7 **APP - (R) (E)** 119.7 125.5 285.5 274.0 341.4 245.9

REMARKS: Ctc APP 119.7 at 100 NM inbd. **TWR** - 125.9 252.4 298.3 **GND** - 126.3 287.9

CLNC DEL - 128.75 **HOTEL 8** - Opr Sat-Wed 0430-1330Z. 9130 7300 12112 (7300 12112 avbl, unmto US Mil Trng Msn USB).

NAVAIDS - TABUK VORTACW - HA 115.700 TBK CH 104 N28°22.04' E36°36.42' At Fld. 2569/(A)2°00.0'E

ILS/RADAR - → ILS-DME - BRG 310° LCZR IPKS 111.9 CH 56 GS 3°

TADAYON AB, IR See SHIRAZ SHAHID DASTGHAIB INTL

TAHOUA, NG **DRRT** CIV N14°52.54' E5°15.92' 1266 UTC+1 **H-11D, L-19C**

RWY-06

(7053x98 ASP 737)

RWY-24

REMARKS - Opr 0500-1800Z.

COMMUNICATIONS - AFIS - 118.1

NAVAIDS - TAHOUA NDB - MHW 347.000 TA N14°52.77' E5°16.19' At Fld. 1325/1°27.1'W

TAIF, SA **OETF** MIL/CIV N21°29.01' E40°32.66' 4848 UTC+3 **H-14F, L-20G**

(B) **RWY-07** L5,12,43

(12254x148 ASP PCN 30 R/B/W/T)

L5,33,43 **RWY-25**

←61QSII UNK (EOR) BAK-14 500S(B) (1500') BAK-14 500S(B) (1500') 61QSII UNK (EOR) →

RWY-17 L5,12,43

(10991x148 ASP PCN 41 R/B/W/T)

L5,12,43 **RWY-35**

←61QSII UNK (EOR) BAK-14 500S(B) (1500') BAK-14 500S(B) (1500') 61QSII UNK (EOR) →

SERVICE - A-GEAR - 61QSII' s cables on ea rwy have BAK 12 energy absorbers with hook cable interconnect to net barrier. **FUEL** - (NC-A1, J4)

REMARKS - RSTD - PPR. Ovft of city proh. Dur ldg or tkof of wide body acft on Rwy 07/25, any taxiing on parl twy is not allowed and vice versa. **CSTMS/IMG** - CSTMS avbl PN rqr, IMG avbl H24.

B-426 AIRPORT/FACILITY DIRECTORY

COMMUNICATIONS - ATIS - 112.7 **APP - (R)** 119.7 **TWR** - 118.7 335.3 **GND** - 121.9

HOTEL 4 - Opr Sat-Wed 0430-1330Z (US Mil Trng Msn, USB) 7300 9130 12112

SAUDIA RDO - Opr HS. 131.5

NAVAIDS - TAI VORTACW - HA 112.700 TIF CH 74 N21°29.19' E40°32.83' At Fld.

4757/(A)1°00.0'E

ILS/RADAR - ➔ **ILS-DME** - BRG 351° LCZR I-TAI 110.7 CH 74 GS 3°

TAIZ INTL, (GANED) YM **OYTZ** CIV N13°41.16' E44°08.34' 4838 UTC+3 **H-14F, L-20G**
RWY-01 (10040x148 ASP) **RWY-19**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr SR-SS. **CAUTION** - When entering the twy fr rwy, keep to the cntr of twy entrance, avoid the shoulders. Do not carry out turns with one wheel locked when parking; the sfc is likely to loosen under such cond.

COMMUNICATIONS - RDO - 5115 **TAIZ TWR** - 118.5 **TAIZ GND** - 121.6

NAVAIDS - TAI VORW-DME - HA 113.600 TAZ CH 83 N13°41.82' E44°08.30' At Fld.

4600/(A)0°00.0'E Opr SR-SS **TAIZ NDB** - HHW 385.000 TZ N13°41.33' E44°08.25' At Fld.

4600/1°32.6'E Opr SR-SS

TALavera LA REAL, (BADAJOZ) SP **LEBZ** MIL/CIV N38°53.48' W6°49.28' 609
UTC+1(+2DT) **H-16H, L-11A**
(B) **RWY-13** L5,9,38,43 (9350x197 ASP SWL59) L5,9,38,43 **RWY-31**
JET (33' OVRN) JET (33' OVRN)

SERVICE - LGT - ABn flg W. VASI all rwy GS 2.5°. **FUEL** - (NC-100LL, A1, J8) **OIL** -
O-125-128-147-148

REMARKS - Opr 0700-2030Z++ Mon-Fri; 0700Z++-SS Sat, Sun. Mil OT O/R PPR.
CSTMS/IMG - Avbl PPR.

COMMUNICATIONS - APP - Opr SR-SS 139.3 277.925 317.5 **BADAJOZ TWR** - (139.3
257.8 386.6 Opr SR-SS) (E) 122.1 139.3 257.8 313.6

NAVAIDS - BADAJOZ VORW-DME - HA 116.800 VBZ CH 115 N38°53.39' W6°48.95'
At Fld. 597/3°11.5'W **TALavera TACAN** - HA TBC CH 25 N38°53.50' W6°49.12' At Fld.
609/3°11.6'W **BADAJOZ NDB/LOM** - MHW 298.000 BJJ N38°48.99' W6°41.89' 312°
7.3 NM to Fld. Unk/3°08.9'W

ILS/RADAR - ➔ **ILS** - BRG 309° LCZR ITL 110.5 GS 3° LOM BJJ 298 ■ **RADAR** - Opr
0800-1300Z++ Mon-Fri. 30 min PN. ASR - Call Talavera GCA - 141.3 142.3 285.4 344.0 O/S
UFN. PAR - Call Final - 140.58 141.0 299.4.

TALL AFAR, IZ **ORTF** A N36°16.99' E42°24.18' (38SKF6675818480) 996 UTC+3(+4DT)
H-13B, L-15D
RWY-13 (9842x147 PEM PCN 15 F/C/W/T) **RWY-31**

SERVICE - FUEL - J8. No fuel for F/W. F/W must carry round trip fuel. **OIL** - Ltd mil oil.

REMARKS - RSTD - F/W acft rstd to daylt VFR opr hr only. 24 hr PPR for all F/W acft exc
C-130 ctc flt OPS DNVF 318-551-9621, voice over internet protocol 318-673-3402, or email,
jp.peles@us.army.mil, marc.robinson@us.army.mil, or dekovent.meadows@us.army.mil. All
C-130 aircrews must read and heed ARA's at
https://164.214.2.62/products/digitalaero/iraqi_freedom.html. C17 ltd to a max allowable
wt of 345000 lb, will utilize full len of rwy upon arr and no hard braking. C17 acft will utilize
rolling reduced tkof only, no TRT tkof wo afld mgr apvl. Inboard eng taxi for C17 and IL76
acft on twy E, F, and G. Twy H,I,J, and K clsd to all F/W and R/W acft (not marked with
yellow X). Rifles copter pad clsd. All R/W PAX opr will use N copter pad. No eng shutdown
on N copter pad. **CAUTION** - No rwy fixed dist markings. 20 ft hi unlightd wind indicator
lctd 246 ft E of rwy. 4 ft hi unlightd obst 80 ft E of N copter pad cntrl. Two 8X8 ft conc
foundations 5 ft hi 10 ft fr both edges of rwy ovrn. No rwy holdline on twy F and no cntrl
markngs on twy E or F. Twy G has nstd cntrl markings. 6 ft deep drainage ditch on both
sides of Twy E and F. JLENS Aerostat opr in rstd opr zone in vcnty of 38S KF 67693 19416
(N36° 17' 30.37 E42° 24' 47.41), 2500 ft vert and 500 ft rad, tethered and lghtd at
1000/1500 ft AGL. Several obst thru out afld. **MISC** - Solar powered lgt instl on afld. Twy
E,F, and G utilized for Cargo/PAX opr. Fuel, maint and AGE unavbl for F/W acft. Ltd
material handling eqpt avbl. Afld mgr DSN 318-250-8065/8087. NDB on 1735kHz lctd on
afld. **RWY** - No fixed dist markings on Rwy 13/31.

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COMMUNICATIONS - TWR - 118.7 380.05

TALLA, UK **VORW-DME** - HA 113.800 TLA CH 85 (100/50) N55°29.95' W3°21.17'
2786/(A)5°00.0'W (120/50 in sctr 320°-020°) **H-2E-3D-5A, L-3C**

TALLIL AB, IZ See ALI BASE

TALLINN ACC, EN **EETT** (CIV) (V) **CON** - 122.9 **132.5 VHF/DF H-2H, L-2G-H**

TALLINN, (ULEMISTE) EN **EETN** CIV N59°24.80' E24°49.97' 131 UTC+2(+3DT)

H-2H, L-2H

RWY-08 L4,5,11,50
9252→

(10072x148 ASP PCN 60 F/B/X/T)

L3,4,5,10,50 **RWY-26**

SERVICE - AOE **FUEL** - Avbl 0500-2300Z++ Mon-Sun. A1 (Air BP Ltd. Estonia Fueling fone
C372 6401 212, OT \$50 per occurrence, 6 hr PN) (NC-100LL) **FLUID** - De-Ice

REMARKS - Opr 0600-1430Z++ Mon-Fri, OT O/R before 1400Z++. **CAUTION** - Bird haz.

COMMUNICATIONS - **ATIS** - Opr 0420-1920Z. 124.875 4645 **APP** - Opr H24. (R) (V)
127.9 **TWR** - Opr H24. 120.6

NAVAIDS - **TALLINN DVORW-DME** - HA 112.200 TLL CH 59 (025/22) N59°24.68'
E24°50.31' At Fld. 157/(A)6°00.0'E **TALLINN NDB/LOM** - MHW 386.000 LK N59°24.78'
E24°55.51' 265° 2.8 NM to Fld. Unk/6°54.8'E Opr HO **TALLINN NDB/LOM** - MHW
329.000 IB N59°24.83' E24°36.41' 084° 6.9 NM to Fld. Unk/6°47.7'E Opr HO **VHF/DF**

ILS/RADAR - **ILS** - **ILS-DME** - 08, 26.

TALVIK, NO **NDB/LOM** - MHW 330.000 TV N70°03.56' E22°59.83' 30/8°44.9'E **L-1D**

TAMANRASSET, AG **DAAT** CIV N22°48.69' E5°27.06' 4518 UTC+1 **H-11D, L-19C**
RWY-02 L55 (11811x148 ASP PCN 56 F/B/W/T) L43,55 **RWY-20**
RWY-08 L4,43,55 (CLSD 10171x148 ASP L55 **RWY-26**
PCN 48 F/A/X/T)

SERVICE - **FUEL** - (NC- A1)

REMARKS - Opr 0700-1500Z. **MISC** - Ldg fees rqr.

COMMUNICATIONS - **RDO** - 119.7 5652 8894 13273 17961 **REMARKS**: (3419 out of svc
UFN). **TWR** - 118.1 119.7

NAVAIDS - **TAMANRASSET VORW-DME** - HA 112.500 TMS CH 72 N22°50.57' E5°27.88'
205° 2.0 NM to Fld. 4461/(A)3°0.0'W **TAMANRASSET NDB** - HW 358.000 TAM
N22°48.40' E5°26.73' At Fld. 49/0°28.1'W

TAMBACOUNDA, SG **GOTT** CIV N13°44.21' W13°39.19' 161 UTC 0 **H-11B, L-19A**
RWY-06 *L53,55 (6562x98 ASP) *L53,55 **RWY-24**

SERVICE - **FUEL** - (NC-100LL)

REMARKS - Opr 0700-1900Z O/R with 12 hr PN. **RSTD** - Arpt clsd at ngt due to defective
lgt.

COMMUNICATIONS - **AFIS INFO** - 118.7 **RDO** - 5680

NAVAIDS - **TAMBACOUNDA VORW** - HA 114.500 TD N13°43.66' W13°39.84' At Fld.
177/(A)9°00.0'W **TAMBACOUNDA NDB** - HW 370.000 STD N13°44.14' W13°39.78'
At Fld. 220/7°25.0'W

TAMPERE ACC, FI **EFES** (CIV) **CON/RADAR** - (V) (R) 132.725 **Sctr 1**- 132.675
127.5 **Sctr 2**- 121.3 124.075 **Sctr 3**- 127.1 **Sctr 4**- 132.325 123.775 **Sctr 5**- 135.525
123.775 **H-1D-2H, L-1D-2G**

TAMPERE PIRKKALA, FI **EFTP** MIL/CIV N61°24.85' E23°36.26' 390
UTC+2(+3DT) **H-2H, L-1D**

RWY-06 L5,33,50

(8858x148 ASP PCN 50 F/A/W/T)

L5,33,50 **RWY-24**

←MA-1 UNK (147' OVRN) HOOK UNK (2372')

MA-1 UNK (180' OVRN) →

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SERVICE - AOE **FUEL** - (NC-100LL, A1) (100LL avbl 1 hr PN 0800-1500Z++ Mon-Fri, OT 2 hr PN, C0400-234872. A1 avbl 0500-1500Z++ Mon-Fri, OT 1 hr PN, C050-3555486).

FLUID - De-Icing avbl, fone C358 03 383 5414, 358 040 726 1580 or 1 hr PN C358 03 383 5333.

REMARKS - Opr HO. **CSTMS/IMG** - CSTMS avbl 0300-2100Z++ Mon-Fri; 0500-1900Z++ Sat; 0900-2100Z++ Sun, OT PN fone C358 40 3327 447. **IMG HO.** **MISC** - Class C Airspace eff twr hr, OT Class G.

COMMUNICATIONS - **ATIS** - Opr H24. 133.55 **PIRKKALA APP** - Opr 0600-1800Z++ Mon-Fri, OT HO. **(R) (V)** 126.2 119.7 **PIRKKALA TWR** - Opr H24. **(V)** 118.7 119.7

NAVAIDS - **PIRKKALA DVORW-DME** - HA 116.200 PIR CH 109 N61°24.59' E23°34.66' At Fld. 450/(A)5°00.0'E **VHF/DF**

ILS/RADAR - ➔**ILS** - BRG 238° LCZR TP 109.7 GS 3° LCTR SUI 326 LCTR A 333. ■ **RADAR** - ASR - 120.25 Opr 0600-1800Z++ Mon-Fri. PAR - Call PIRKKALA PRECISION - 128.7 Opr by arng 0600-1400Z++ Mon-Fri.

TAN TAN, MO VORW - HA 112.300 TAN N28°25.71' W11°10.39' 033° 1.3 NM to PLAGE BLANCHE. 653/4°36.3'W **NDB** - HHW 274.000 TNA N28°25.87' W11°10.29' 033° 1.1 NM to PLAGE BLANCHE. Unk/4°36.3'W **H-11C, L-13B**

TAN TAN PLAGE BLANCHE, MO See PLAGE BLANCHE

TANAGRA, GR LGTG MIL N38°20.39' E23°33.90' 485 UTC+2(+3DT)

H-15D, L-12H-14H, T-2E

(B) **RWY-10 L50** (9810x148 ASP)

LA,50 **RWY-28**

9318→

←RAF (EOR) BAK-9(B) (1983')

500S-6(B) (1113') RAF (29' OVRN) →

SERVICE - **LGT** - PAPI Rwy 10/28 GS 2.5°. **JASU** - 1(AF/M32A-10) 1(MD-3) 1(MD-3A) 1(ST-22/28) **FUEL** - (NC-100LL, 115, J4, A1)

REMARKS - Opr SR-SS, OT O/R 30 min. **MISC** - Twy B int clsd perm.

COMMUNICATIONS - **APP** - (E) 120.25 122.1 362.3 **TWR** - (E) 120.25 122.1 257.8

NAVAIDS - **TANAGRA VORW-DME** - T 111.800 TGG CH 55 (040/25) N38°20.28' E23°33.47' At Fld. 485/3°17.8'E **TANAGRA TACAN** - T TGR CH 21 (100/25) N38°21.01' E23°31.06' 104° 2.3 NM to Fld. 711/3°17.6'E Opr SR-SS. **TANAGRA NDB** - MHW 303.000 TNG N38°19.93' E23°43.85' 271° 7.8 NM to Fld. Unk/3°19.1'E O/S UFN **UHF/DF**

ILS/RADAR - ■ **RADAR** - ASR - Call GCA - 122.0 344.0 PAR - Call FINAL - 123.3 385.4 Opr 0500-1300Z Mon-Fri, OT 30 min PN rqr incl hol.

TANCOS, PO LPTN MIL N39°28.51' W8°21.87' 266 UTC 0(+1DT) **H-3A, L-11A**

(B) **RWY-08 L4,43** (7530x148 ASP PCN 30 F/B/W/U)

L2,4,5,33,43 **RWY-26**

7202→

RWY-12

(3937x74 ASP PCN 35 F/B/W/U)

RWY-30

3609→

SERVICE - **LGT** - ABn altn green/W. **FUEL** - (NC-J8)

REMARKS - Opr 0900-1700Z++ Mon-Thu; 0900-1300Z++ Fri, OT as rqr. **RSTD** - Afld use ltd to Portuguese mil acft supporting Comando de Tropas Aerotransportadas operations.

COMMUNICATIONS - **TWR** - Opr HO. (E) 122.1 142.3 257.8

ILS/RADAR - ➔**ILS** - BRG 261° LCZR ITN 110.10 GS 2.7°.

TANDAREI, RO NDB - HHW 304.000 TND N44°39.34' E27°39.28' 62/4°36.0'E **H-4G, L-10J**

TANF, SY VORW-DME - HA 114.000 TAN CH 87 N33°28.94' E38°39.24' 2340/(A)3°00.0'E **H-13A-16G, L-16G**

TANGER, MO VORW-DME - HA 115.900 TNG CH 106 N35°43.73' W5°53.45' 268° 1.3 NM to IBN BATOUTA. 105/(A)4°00.0'W **H-9A, L-13C**

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TANGER IBN BATOUTA, MO See IBN BATOUTA

TANGO, GM **DVORTACW** - HA 112.500 TGO CH 72 (060/50) N48°37.10' E9°15.55'
 1213/(A)0°00.0'E (80/50 045° -135° ;60/50 135° -045°)
 TGO TACAN az crs ruf 200°-310° byd 20 NM blw 3200'
 200°-310° byd 30 NM blw 5200'
 200°-310° byd 40 NM blw 7200'
 TGO TACAN unuse 100°-200° byd 20 NM blw 3200'
 100°-200° byd 30 NM blw 5200'
 100°-200° byd 40 NM blw 7200'
 TGO VOR unuse 125°-145° 20 NM blw 3200'
 125°-145° 30 NM blw 5200'
 125°-145° 40 NM blw 7200'

H-6I, L-6H

TAIPOSAP, HU **DVORW-DME** - HA 115.900 TPS CH 106 N47°29.60' E19°26.77' 245°
 8.5 NM to FERIHEGY. 839/(A)2°00.0'E **NDB** - MHW 306.000 TPS N47°29.60' E19°26.77'
 243° 8.5 NM to FERIHEGY. 839/3°26.5'E **H-3E, L-10F**

TARARE, FR **LFHV** CIV N45°54.12' E4°38.09' 1076 UTC+1(+2DT) **L-8H**
RWY-18 L7,50 (3412x98 ASP S12) L7,50 **RWY-36**
 3076→ ←3281
RWY-18L (3609x262 GRS) **RWY-36R**
SERVICE - LGT - PAPI Rwy 18 GS 3.7° MEHT 16', PAPI Rwy 36 MEHT 22'. Thld lgt on Rwy
 18-36. **FUEL** - Avbl 0900-1130Z++, 1230-1800Z++ Tue-Sun; OT 1 hr PN. (NC-100LL, A1)
REMARKS - Opr HX.

TARBES, FR **NDB** - MHW 321.000 TL N43°17.30' E0°02.98' 201° 7.0 NM to LOURDES.
 928/1°18.0'W Rcpt less than 50 NM in S sctr. **VORW** - HA 113.900 TBO (080/50)
 N43°19.93' E0°08.75' 219° 11.4 NM to LOURDES. 1020/(A)3°0.0'W **H-7A, L-11C**

TARGU MURES, RO **NDB/LOM** - HHW 428.000 TGM N46°26.81' E24°18.39' 070°
 4.6 NM to VIDRASAU. 942/4°17.2'E **H-4F, L-10I**

TARQUINIA, IT **VORW-DME** - HA 111.800 TAQ CH 55 (040/25) N42°12.90' E11°43.95'
 76/(A)0°00.0'E MP 0930-1100Z++3rd Thu. **NDB** - HW 312.000 TAQ N42°12.84'
 E11°43.73' Unk/1°37.5'E MP 0800-1100Z++3rd Wed. **NDB** O/S til 30 Jun 04 est.
 TAQ VOR-DME BYD 19 NM R-115° 8000'
 TAQ VOR-DME MRA 40 NM 000°-140° 10,000'
 140°-360° 6000'
 TAQ NDB MRA 40 NM 120°-280° 5000'
 280°-330° 6000'
 330°-120° Unuse

H-7D-15C, L-12E

TARTU, (ULENURME) EN **EETU** CIV N58°18.45' E26°41.43' 219 UTC+2(+3DT) **L-2H**
RWY-08 L7,38,50 (4524x115 ASP) L7,38,50 **RWY-26**
SERVICE - FUEL - (NC-100LL, A1) **FLUID** - De-Ice
REMARKS - Opr 0600-1500Z++; OT O/R, fone C+372 7 309210 prior to 1300Z++.
CAUTION - Bird haz Mar-Nov. **CSTMS/IMG** - Avbl H24, 1 hr PN rqr. **MISC** - Class D
 Airspace eff twr hrs, OT Class G.
COMMUNICATIONS - TWR - Opr 0700-1600Z win, 0500-1500Z sum. 132.0
NAVAIDS - **TARTU NDB** - HW 397.000 UM N58°18.51' E26°46.11' 262° 2.5 NM to Fld.
 Unk/7°17.2'E

TATOI, GR **LGTT** MIL N38°06.54' E23°47.03' 785 UTC+2(+3DT) **H-15D, L-12H-14H, T-2E**
RWY-03* L7,50 (5789x148 ASP) *L7,50 **RWY-21**
 5285→ ←5087
SERVICE - LGT - Rwy lgt avbl on 15 min PN. **JASU** - 1(A-3) **FUEL** - (NC-100LL, 115, J4)
REMARKS - Opr SR-SS. **CAUTION** - Hi tension p-lines 0.8 NM NNW of Rwy 21.

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COMMUNICATIONS - ATHINAI APP - (R) (V) 119.1 129.55 299.5 **TWR - (E)** 118.5 122.1 122.65 257.8

NAVAIDS - DEKELIA NDB - MHW 388.000 DEK N38°06.20' E23°46.33' At Fld.
Unk/3°18.0'E O/S

TATRY, LO **LZTT** CIV N49°04.42' E20°14.47' 2356 UTC+1(+2DT) **H-4E-6J-8G, L-22F**
RWY-09 L6,34,50 (8530x148 CON PCN 33 R/A/X/T) L2,5,11,50 **RWY-27**

SERVICE - LGT - PAPI Rwy 09 GS 3.84°, Rwy 27 GS 3.5°. **FUEL** - (NC-A1 0600-1800Z++ OT O/R PN, 100LL O/R 24 hr PN fone 421 52 776 38 75.)

REMARKS - Opr 0500-2100Z++. **CAUTION** - Mt wave turb in vcnty of arpt.

COMMUNICATIONS - APP - (V) 121.35 118.9 118.625 **REMARKS**: Call TWR (TWR provides APP svc.) **TWR - (V)** 121.35 118.9 118.625

NAVAIDS - TATRY VORW-DME - HA 112.100 PPD CH 58 N49°03.89' E20°21.00' 274° 4.3 NM to Fld. 2388/(A)2°00.0'E **TATRY NDB/LOM** - MHW 317.000 PPD N49°04.09' E20°21.21' 271° 4.4 NM to Fld. Unk/3°47.5'E **TATRY NDB** - HHW 418.000 PW N49°04.81' E20°04.35' 090° 6.7 NM to Fld. Unk/3°43.8'E **TATRY NDB** - HHW 438.000 PE N49°03.76' E20°26.54' 271° 8.0 NM to Fld. Unk/3°48.7'E

ILS/RADAR - ➔ **ILS** - BRG 271° LCZR TT 110.1 GS 3.5° LOM PPD 317

TAUNUS, GM **DVORTACW** - HA 116.700 TAU CH 114 (040/25) N50°15.03' E8°09.75' 1343/(A)0°00.0'E (60/25 292°-338°; 40/25 338°-292°) **H-6H, L-6F**

TAUTII MAGHERAUS, RO **LRBM** CIV N47°39.50' E23°28.20' 605 UTC+2(+3DT)
H-4F, L-10H
RWY-10 L7,33 (5905x98 CON PCN 21 R/D/W/T) L7 **RWY-28**

SERVICE - FUEL - (NC-A1) **FLUID** - De-Ice avbl.

REMARKS - Opr 0500-1700Z++ **CSTMS/IMG** - Avbl O/R.

COMMUNICATIONS - BAIJA MARE TWR - 118.1 **BAIJA MARE PRECISION - (R)** 118.85

NAVAIDS - BAIJA MARE NDB - HHW 404.000 BMR N47°40.27' E23°20.76' 095° 5.1 NM to Fld. 531/4°15.9'E

ILS/RADAR - ■ **RADAR** - PAR - Call BAIJA MARE PRECISION - 118.85

TAVAU, FR **LFGJ** CIV N47°02.34' E5°25.64' 645 UTC+1(+2DT) **H-7B, L-8H-9A**
RWY-05 L5,9,27,50 (7318x148 ASP) L5,9,50 **RWY-23**
S92 T122 ST155 TT245)

SERVICE - LGT - PAPI Rwy 05 GS 3.1° MEHT 57', PAPI Rwy 23 GS 3° MEHT 36'. **FUEL** - Avbl 0700-0200Z++ Mon-Fri exc hol. (NC-100LL, A1)

REMARKS - CSTMS/AG/IMG - Avbl O/R to CCI 4 hr PN fr 0700-1900Z++ Mon-Fri; aft 1900Z++ PN rqr before 1100Z++; Sat, Sun, hol 24 hr PN. Fone C03 81 41 41 50.

COMMUNICATIONS - DOLE TWR - Opr 0700-1900Z++ Mon-Fri; 0800-1200Z++, 1300-1700Z++ Sat, Sun & hol; OT PPR 130.775 **AFIS** - Opr 1900-0200Z++ Mon-Fri. 130.775

NAVAIDS - VHF/DF

ILS/RADAR - ➔ **ILS-DME** BRG 057° LCZR DO 109.35 CH 30(Y) GS 3.1° LCTR DO 309

TAYLOR BKS AHP, GM See COLEMAN AAF

TAZERBO, LY **NDB** - MHW 269.000 TZR N25°40.12' E21°05.60' Unk/2°02.7'E
H-12G, L-20E

AIRPORT/FACILITY DIRECTORY B-431

TEANO, IT **VORW-DME** - HA 112.900 TEA CH 76 (100/50) N41°17.81' E13°58.24'
3300/(A)1°00.0'E MP 1200-1330Z++1st Wed. **NDB** - MHW 316.000 TEA N41°17.75'
E13°58.30' Unk/2°01.7'E
TEA VOR-DME MRA at 40 NM 000°-360° 10,000'
TEA VOR-DME R-106 MRA at 32 7000'
NM
TEA VOR-DME R-122 MRA at 27 4000'
NM
TEA VOR-DME R-139 MRA at 29 4000'
NM
TEA NDB MRA 50 NM 050°-110° 8000'
110°-160° 6500'
160°-270° 5000'
270°-320° 9000'
320°-050° 10,000'

H-15C, L-12F

TEBBY, SW **DVORW-DME** - HA 117.100 TEB CH 118 (100/50) N59°31.90' E18°12.20'
197/(A)3°00.0'E **H-2H, L-2G**

TEBESSA, AG See CHEIKH LARBI TEBESSI

TEESSIDE, UK See DURHAM TEES VALLEY AIRPORT

TEGEL, GM **EDDT** CIV N52°33.58' E13°17.26' 122 UTC+1(+2DT) **H-5D, L-5D**
(B) **RWY-08L** L2,3,4,5,9,10,50 (9918x151 ASP PCN 120 F/A/X/T) L2,3,4,5,9,10,50 **RWY-26R**
RWY-08R L2,4,5,11,50 (7966x151 ASP PCN 120 F/A/W/T) L2,3,4,5,9,23,50 **RWY-26L**
7625→ ←7244

SERVICE - AOE **LGT** - PAPI Rwy 08L MEHT 62', Rwy 08R MEHT 64', Rwy 26L MEHT 76', Rwy 26R MEHT 61'. **FUEL** - A1 (Total BFS) avbl 0400-2200Z++ fone C49-3041013317.

REMARKS - **RSTD** - 24 hr PPR acft using mil site/ramp, only via AFTN to ETNBZPZX. Insert PPR-No. in item 18 of FPL. Ctc Berlin Military 30 min before Indg. Mil pre-flt briefing avbl 0500-2000Z++ Mon-Thu; 0500-1800Z++ Fri and on days prior to public hol dur wk; Sat, Sun and GM hol unattended. **CAUTION** - Unmrk ant on bldg 3600' in front of thld Rwy 26R and 410' NW of extended RCL, 195' MSL. Rwy 08/26L clsd dly from 2100-0600Z++ for acft parking. **CSTMS/AG/IMG** - Avbl 0500-2400Z++, O/R 60 min. **MISC** - For info about the cond of mil apn ctc Tegel Comd Post prior to dep, fone C49-30-4981-4332 H24. Mil handling only on special req via AFTN to ETNBZPZX or fax C49-30-4981-4336.

COMMUNICATIONS - **ATIS** - Opr 0500-2300Z++. 125.9 (112.3 TGL VOR-DME)

BERLIN ARR - (R) 119.625 126.425 398.575 (119.625 STARS to NASAT, AMUM. 126.425 STARS to KLF, FWE, ATGUP, LERSI) **BERLIN DIRECTOR** - 136.1 121.125X **TWR** - 124.525 118.7X 278.925 **GND** - 121.925 121.75X **BERLIN DEP** - 120.625 119.5X 313.5 **BERLIN INFO** - (E) 132.65 251.375 **BERLIN MIL** - 136.0 369.25

NAVAIDS - **TEGEL VORW-DME** - HA 112.300 TGL CH 70 (080/50) N52°33.69' E13°17.25' At Fld. 118/(A)2°00.0'E ATIS bcst opr 0500-2300Z++. **TEGEL EAST NDB/LOM** - HW 321.000 GL N52°34.34' E13°25.57' 260° 5.1 NM to Fld. Unk/2°11.7'E **TEGEL WEST NDB/LOM** - HW 392.000 RW N52°32.70' E13°09.06' 078° 5.1 NM to Fld. Unk/2°06.6'E

ILS/RADAR - **ILS**

TEHRAN ACC, IR **OIIIX** CIV **TEHRAN CON** - 119.3 120.3 120.7 123.9 125.7 126.9 132.5 133.4 **A/G** - **VOICE RDO** - All HF freq SSB. 5658 5667 6925 8091 8918 10018 13288 13312 **H-13B, C, D-14G, L-15C, D-16G, H-17A, B**

B-432 AIRPORT/FACILITY DIRECTORY

TEHRAN, IR **VORW-DME** - HA 115.300 TRN CH 100 N35°41.82' E51°17.03' 104° 1.5 NM to MEHRABAD INTL. 3987/(A)3°30.0'E **TACAN** - T THR CH 80 N35°41.93' E51°16.82' 106° 1.7 NM to MEHRABAD INTL. 3999/4°02.9'E
TRN VOR-DME unuse
055°-090° btn 5-15 NM blw 10,000'
055°-090° btn 15-40 NM blw 15,000'
095°-110° btn 10-15 NM blw 6000'
095°-110° btn 15-20 NM blw 7000'
095°-110° btn 20-25 NM blw 7500'
095°-110° btn 25-40 NM blw 11,000'
180°-250° btn 30-40 NM blw 7000'
250°-280° btn 35-40 NM blw 7500'
285°-300° btn 15-40 NM blw 14,000'
300°-050° btn 5-10 NM blw 10,000'
300°-340° btn 10-25 NM blw 15,000'
300°-340° btn 25-40 NM blw 23,000'
345°-050° btn 10-15 NM blw 16,000'
345°-050° btn 25-40 NM blw 28,000'
THR TACAN unuse
290°-350° byd 20 NM blw FL 280
350°-050° byd 15 NM blw FL 280
H-13C, L-17B

TEHRAN MEHRABAD INTL, IR See MEHRABAD INTL

TEISKO, FI **EFTS** CIV N61°46.40' E24°01.62' 515 UTC+2(+3DT) **L-1D**
RWY-05 (3937x59 ASP) **RWY-23**
REMARKS - Opr HX. **CAUTION** - Gldr act to 2700' AGL with acft tows and winch launches.
COMMUNICATIONS - **TWR** - 123.15

TEKIRDAG, TU **VORW-DME** - HA 116.300 EKI CH 110 N40°57.12' E27°25.60' 1047/(A)2°00.0'E Unmto. Rad 102 unrel byd 20 NM. **H-4G, L-12H-15A**

TEL AVIV ACC, IS (MIL/CIV) **(R) (V) NORTH SECTOR (LLTA)** - Pluto 127.1 124.3 118.1 121.4 132.05 **(R) (V) SOUTH SECTOR (LLSC)** - South 120.9 132.0
H-13A-14E-16G, L-16F, T-2F

TEL AVIV, IS **NDB/LOM** - HW 331.000 LL N32°03.75' E34°46.25' 117° 6.7 NM to BEN GURION. Unk/3°41.3'E **H-13A, T-2F**

TEMPELHOF, GM **EDDI** CIV N52°28.38' E13°24.24' 167 UTC+1(+2DT) **H-5D, L-5D**
(B) **RWY-09L** L5,9,50 (6870x140 ASP PCN 18 F/B/W/T) L5,9,50 **RWY-27R**
5466→ ←5180
RWY-09R L2,3,4,5,9,10,50 (6037x140 ASP PCN 77 F/A/W/T) L2,3,4,5,9,10,50 **RWY-27L**
5738→ ←5561

SERVICE - AOE **LGT** - Rwy lgt offset 15'. Apch lgt Rwy 09R, 500' wingout bars. PAPI Rwy 09L GS 3.7° MEHT 45', PAPI Rwy 27R GS 3.7° MEHT 44', PAPI Rwy 27L GS 3.5°. **FUEL** - A1 (ExxonMobil thru BFS) avbl 0400-2100Z++ fone C49-3041013120. Aft hrs 3 hr prior ntc, \$350/occurrence, fone C49-3041013120. (NC100-LL).

REMARKS - **RSTD** - Tkof from byd thld PPR twr. **CAUTION** - Turb on final. Rwy 09R-27L grooved. Numerous cranes vcnty of rwy all quad. **MISC** - PPR 24 hr PN fr DFG OPS mgr at civ (030)6951-3601/3602 or fax 030-6951610. Rot Bcn white only.

COMMUNICATIONS - **ATIS** - 126.025 **BERLIN ARR** - **(R)** 119.625 126.425 398.575 (119.625 NORTH-STARs to TERDA,LANUM)(126.425 SOUTH-STARs to KLF,FW,E,ATGUP,LERSI) **BERLIN DIR** - **(R)** 136.1 121.125X 40NM / FL100 **TWR** - 119.575 118.1X 294.7 **GND** - 121.95 **BERLIN DEP** - **(R)** 120.625 119.5X 313.5
BERLIN INFO - 132.65 251.375

AIRPORT/FACILITY DIRECTORY B-433

NAVAIDS - TEMPELHOF VORW-DME - HA 114.100 TOF CH 88 (040/50) N52°28.39' E13°24.32' At Fld. 199/(A)2°0.0'E **PLANTER NDB** - MHW 327.000 DIP N52°28.37' E13°28.10' 270° 2.4 NM to Fld. Unk/2°12.3'E (Max rng 18NM) **HELMHOLTZ NDB** - MHW 347.000 DBR N52°28.10' E13°17.72' 086° 4.0 NM to Fld. Unk/2°09.2'E Helmholtz NDB unsafe.

TOF DME unuse 0x-230x	0-5NM blw 170'MSL 5-10NM blw 1400'MSL 10-20NM blw 2600'MSL 20-25NM blw 3200'MSL byd 25NM unuse
TOF DME unuse 230x-0x	0-5NM blw 170'MSL 5-10NM blw 1400'MSL 10-20NM blw 2600'MSL 20-30NM blw 4000'MSL 30-40NM blw 5500'MSL
TOF DVOR unuse 0x-360x	0-5NM blw 170' 5-10NM blw 1400' 10-20NM blw 2600' 20-30NM blw 4000' 30-40NM blw 5500'

ILS/RADAR - ILS-DME - 09R, 27L.

TEMPLIN GROSS DOLLN, (GROSS DOLLN) GM EDUT PVT

N53°01.73' E13°30.98' 202 UTC+1(+2DT) **L-5D**
RWY-09 (3281x98 CON)

RWY-27

REMARKS - PPR

COMMUNICATIONS - BERLIN INFO - 132.65 251.375 North **INFO** - 123.475 15NM TO 3000 ft AGL.

TENERIFE NORTE, (LOS RODEOS) SP GCXO CIV N28°28.96' W16°20.49' 2073

UTC 0(+1DT) **H-11B, L-13A**
RWY-12 L2,4,6,9,13,50 (11155x148 ASP PCN 60 F/C/W/T) L2,4,6,13,50 **RWY-30**

SERVICE - FUEL - (NC-100LL, A1) **OIL** - 0-117-128

REMARKS - Opr 0715-2200Z++ Plus 1 hr PPR before arpt closes. **CAUTION** - Bird haz.
CSTMS/IMG - Avbl.

COMMUNICATIONS - ATIS - 118.575 **APP** - 119.7 124.8 **REMARKS**: 119.7 O/S UFN. (Use 124.8) **TWR - (E)** 118.7 257.8 **GND** - 121.7

NAVAIDS - TENERIFE NORTE DVORW-DME - HA 117.700 TFN CH 124 N28°32.21' W16°16.13' 238° 5.0 NM to Fld. 3360/(A)8°00.0'W **TENERIFE NORTE NDB** - HW 410.000 TX N28°27.15' W16°15.46' 300° 4.8 NM to Fld. Unk/6°29.8'W

ILS/RADAR - ILS-DME - BRG 298° LCZR ITF 110.3 CH 40 GS 3°.

TENERIFE SUR, (REINA SOFIA) SP GCTS CIV N28°02.67' W16°34.35' 209

UTC 0(+1DT) **H-11B, L-13A**
RWY-08 L2,4,6,33,49,50 (10499x148 ASP PCN 79 F/A/W/T) L2,4,6,33,49,50 **RWY-26**

SERVICE - FUEL - (NC A1) **OIL** - 0-156

REMARKS - **CSTMS/IMG** - Avbl.

COMMUNICATIONS - ATIS - 118.675 **APP** - 120.3 127.7 **TWR - (E)** 119.0 257.8
GND - 121.9

NAVAIDS - TENERIFE SUR VORW-DME - HA 116.400 TFS CH 111 N28°00.15' W16°41.28' 076° 6.6 NM to Fld. 115/(A)7°00.0'W **TENERIFE SUR NDB** - HW 317.000 TES N28°03.28' W16°33.77' At Fld. Unk/6°38.1'W

ILS/RADAR - ILS - BRG 076° LCZR TRS 109.7 GS 3°. **ILS-DME** - BRG 256° LCZR ISUR 110.9 CH 46 GS 3°.

B-434 AIRPORT/FACILITY DIRECTORY

TERMINAL, PO **TACAN** - T TRM CH 109 N38°45.62' W27°05.56' At LAJES.
172/(A)14°00.0'W MP 0300-0700Z++ Fri.
TRM TACAN unuse 040°-050° byd 10 NM blw 3500'
050°-150° byd 10 NM blw 8000'
160°-180° byd 10 NM blw 4000'
180°-310° all alt and dist

H-1A, L-1C

TERNHILL, UK **EGOE** MIL N52°52.27' W2°32.01' 272 UTC 0(+1DT) **L-3A, C, T-2F**
RWY-05 L55 (3215x150 ASP) L55 **RWY-23**
←2595
RWY-10 L55 (3110x150 ASP) L55 **RWY-28**
←2480

REMARKS - Opr HO. **RSTD** - 24 hr PPR thru SHAWBURY OPS. **CAUTION** - Ints copter act.
Exp QFE Altimeter Settings.

COMMUNICATIONS - **SHAWBURY APP** - (R) (E) 282.0 **TWR** - (E) 122.1X 376.4
GND - 279.025

NAVAIDS - **UHF/DF**

TESSALIT, ML **GATS** CIV N20°14.58' E0°58.64' 1621 UTC 0 **H-11C, L-19C**
RWY-05L (8201x98 ASP DC4) **RWY-23R**
RWY-05R (CLSD 4912x154 GVL) **RWY-23L**
RWY-15 (3924x154 GVL DC3) **RWY-33**

REMARKS - **CAUTION** - Grav strip parl to asp rwy unuse.

NAVAIDS - **TESSALIT NDB** - HW 299.000 TZE N20°15.42' E0°59.29' 218° 1.0 NM to Fld.
Unk/1°38.7'W

TESSERA, IT **VORW-DME** - HA 115.300 TES CH 100 (040/25) N45°31.15' E12°22.09' 218°
1.1 NM to VENEZIA TESSERA. 6/1°48.8'E
TES VOR-DME MRA 25 NM 000°-300° 1500'
300°-360° 2500'

H-7D, L-9C

TETOUAN, MO **VORW-DME** - HA 117.300 TTN CH 120 N35°35.70' W5°19.48'
At SANIAT RMEL. 49/2°34.4'W **H-9B-16H, L-13C**

TETOUAN SANIAT RMEL, MO See SANIAT RMEL

TEYMAN, IS **LLBS** CIV N31°17.22' E34°43.38' 656 UTC+2(+3DT) **L-16F, T-2F**
RWY-14 (3384x69 ASP) **RWY-32**

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr SR-SS. **RSTD** - PPR SS-SR. **CAUTION** - Ints glldr act weekends and hol.

COMMUNICATIONS - **TEL AVIV APP** - 120.9 121.4 SOUTHERN SECTOR

THALAMY, FR **LFCU** CIV N45°32.08' E2°25.43' 2427 UTC+1(+2DT) **L-8G**
RWY-10 (4429x98 ASP S12) **RWY-28**

SERVICE - FUEL - (NC-100LL)

REMARKS - Opr SR-SS

THESSALONIKI, GR See MAKEDONIA

THIERS, FR **VORW-DME** - HA 117.500 TIS CH 122 (060/25) N45°52.91' E3°33.21'
2258/(A)2°00.0'W **H-7B, L-8G**

THIRA, GR **NDB** - HW 307.000 THR N36°24.01' E25°28.83' At SANTORINI. Unk/3°21.4'E
H-10G, L-14H

AIRPORT/FACILITY DIRECTORY B-435

THISTED, DA **EKTS** CIV N57°04.13' E8°42.31' 23 UTC+1(+2DT) **H-2G-5C, L-2E**
(B) **RWY-10** L5,39,50 (5249x148 ASP PCN 25 F/A/X/T) L5,39,50 **RWY-28**

SERVICE - LGT - ABn opr when acft exp at ngt or in lo vis dur day. **FUEL** - (NC-100LL, A1) 100LL self-svc only, A1 1 hr PN. Refuel dur opr hr only.

REMARKS - Opr 0600-1800Z++ Mon-Fri, 0900-1300Z++ Sat, 1300-1700Z++ Sun and hol.
CSTMS/IMG - Avbl - 1 hr PN. **MISC** - Ldg fees. Fone C+45 97 96 5100, fax C+45 97 96 5480, e-mail thisted.lufthavn@mail.tele.dk.

COMMUNICATIONS - AALBORG APP - 123.975 309.95 **AFIS** - 118.125

NAVAIDS - THISTED NDB/LOM - HW 331.000 TE N57°03.21' E8°51.87' 280° 5.3 NM to Fld. Unk/0°32.2'E

ILS/RADAR - ILS - BRG 282° LCZR TS 108.1 GS 2.75° LOM TE 331.

THORN, NL **NDB** - MHW 434.000 THN N51°11.00' E5°50.00' 297° 9.8 NM to BUDEL.
87/0°09.1'W **H-6H, L-5A, T-1B**

THORSHOFN, IC **BITN** CIV N66°13.11' W15°20.14' 65 UTC 0 **L-1B**
RWY-02 L5,9,50 (3934x98 BIT) L5,9,50 **RWY-20**

REMARKS - Opr 0800-1200Z Sun-Fri, clsd Sat.

COMMUNICATIONS - REYKJAVIK ACC - Opr H24. 119.7 **INFO** - 118.1

NAVAIDS - THORSHOFN NDB - MHW 373.000 TN N66°15.15' W15°15.68' At Fld. Unk/14°15.3'W

THUMRAIT, MU **OOOTH** MIL N17°39.96' E54°01.48' 1570 UTC+4 **H-14G, L-20H**
(B) **RWY-17** L5,24,50 (13123x148 ASP) L5,24,50 **RWY-35**
BAK-12A(B) (950') BAK-12A(B) (950')

SERVICE - LGT - Rot bcn avbl O/R.

REMARKS - Opr 0300Z-1000Z Sat-Wed. PPR/OFFL BUS ONLY. Req accepted NET 72 hr prior. Ctc USDAO (Air OPS) C-011-968-698-479 or US Embassy C 011-968-698-989. No RON. Haz cargo allowed btn 0300-1000Z dly. Haz cargo prk extremely ltd. All inbd acft must ctc TWR 30 min prior to arr. **RSTD** - PPR req are taken 0400Z-1230Z Sat thru Wed. All outbd FPL must be filed in person with Omani OPS (C 011-968-466-100). **CAUTION** - Asphalt breaking loose aprx 500' fr apch end Rwy 17. To prevent FOD while taxiing, unless opr rqr, all 4 eng jet acft use inboard eng only for taxi maneuvers. Exp RAFO ftr acft flying Sat-Wed. Parl twy may be used as alt ldg sfc, treat as an act rwy. DRM unlit. Hi potential for skidding/hydroplaning when rwy is wet. Twy edge lgt unavbl on N and S highspeed twy, N and S hammerheads and portions of the parl twy (twy ctrline lgt avbl for these movement areas). **TFC PAT** - US acft not auth to use rectangular pat, unless auth by RAFO. Ftr rectangular 2,500 MSL, transport/bomber rectangular - 3,000 MSL. Copter - 2,200 MSL. **NS ABTMT** - Exp rgt turn to hdg 200 on Rwy 17 dep. Acft will not overfly afld. **MISC** - Ctc twr to req clnc 30 min prior to taxi.

COMMUNICATIONS - APP - (R) 125.0 232.0 **TWR - (E)** 118.6 323.5 **GND** - 122.0

BARNYARD - 391.9 **METRO** - 138.775 **OPS** - 6712

NAVAIDS - THUMRAIT VORTACW - T 115.300 TMR CH 100 N17°40.10' E54°01.54' At Fld. 1570/0°29.8'E

ILS/RADAR - ILS-DME - 17

THYNA, TS **DTTX** CIV N34°43.08' E10°41.46' 85 UTC+1(+2DT) **H-9D-10E, L-14F**
RWY-15 L3,4,5,9,50,55 (9843x148 CON PCN 58 F/B/W/T) L3,4,5,9,50,55 **RWY-33**

SERVICE - AOE FUEL - Non-sched flt fuel avbl O/R addressed to DTTXZPX at least 1 hr PN. (NC-100LL, A1)

REMARKS - Opr 0700-1600Z Mon-Fri; (0600-1200Z Mon-Fri DT; 0700-1300Z Mon-Fri Ramadan.) **CAUTION** - WIP. Presence of men and equip 16 ft hi.

COMMUNICATIONS - SFAX APP - 123.7 **SFAX TWR - (V)** 120.15

NAVAIDS - SFAX VORW - HA 114.000 SFX N34°42.97' E10°41.33' At Fld. 85/(A)0°00.0'E

B-436 AIRPORT/FACILITY DIRECTORY

TIARET, AG **VORW-DME** - HA 116.300 TRB CH 110 (200/41) N35°20.87' E1°30.90' 261°
2.6 NM to BOU CHEKIF. 2902/0°38.0'W **NDB** - MHW 389.000 TRB N35°20.75' E1°30.03'
261° 1.9 NM to BOU CHEKIF. Unk/0°36.0'W **H-9C-15A-16I, L-13D**

TIDJIKJA, MR **GQND** CIV N18°34.21' W11°25.41' 1316 UTC 0 **H-11C, L-19A**
RWY-07 (5249x96 ASP) **RWY-25**
REMARKS - Opr SR-SS
COMMUNICATIONS - **AFIS** - 118.9 **A/G** - 5680
NAVAIDS - **TIDJIKJA NDB** - MHW 381.000 TKA N18°34.02' W11°25.03' At Fld.
Unk/5°38.4'W Opr HS and O/R 24 hr to GQNNZTX

TIKRIT, IZ See AL SAHRA AAF

TIKSI ACC, RS **UEST** (CIV) **(R) CON** - 133.3 **RDO** - 11390 5470 4712 8837X. **T-2G**

TIKSI, RS **UEST** MIL N71°41.86' E128°54.18' 26 UTC+9(+10DT) **T-2G**
RWY-03 L7 (9845x194 CON PCN 37 R/B/X/T) **L7,20 RWY-21**
9025→ ←9005
SERVICE - FUEL - (NC-TS1)
REMARKS - Opr 2300-1100Z++. **MISC** - Afld for emerg ldg of flt opr along the cros-polar
rte.
COMMUNICATIONS - **LANDING** - Opr HO. Also svc as START. 124.0 **KRUG** - Opr HO.
128.5 124.0X
NAVAIDS - **TIKSI NDB** - HW 320.000 KF N71°44.20' E128°55.10' 187° 2.4 NM to Fld.
Unk/17°0.0'W Opr HO.

TILLE, FR **LFOB** CIV N49°27.27' E2°06.77' 359 UTC+1(+2DT) **H-6F, L-7D**
RWY-04 (3625x98 ASP S50 T74 ST94 TT138) **RWY-22**
RWY-13 L5,9,50 (7972x148 ASP PCN 45 F/C/W/T) **L5,23 RWY-31**
SERVICE - AOE **FUEL** - Avbl 0700-2200Z++. (NC-100LL, A1)
REMARKS - Opr 0700-2200Z++. **RSTD** - PPR 48hr prior notice fone C33-03-44-11-46-62 due
to apron WIP til 24 Aug est. Tkof and ldg proh btn 2300-0400Z++. **CAUTION** - Model acft
act. **MISC** - Class D Airspace eff 0700-2200Z++. OT Class G. **RWY** - Rwy 04 aprx fst
1000' PCN 45 F/C/W/T.
COMMUNICATIONS - **BEAUVAIS ATIS** - 118.375 **BEAUVAIS APP** - **(R)** 119.9 121.4
BEAUVAIS TWR - 121.4 119.9
NAVAIDS - **BEAUVAIS VORW** - HA 115.900 BVS (040/25) N49°26.18' E2°09.19' 306°
1.9 NM to Fld. Unk/1°12.4'W **VHF/DF**
ILS/RADAR - ➔ **ILS-DME** - BRG 305° LCZR BI 109.95 CH 36(Y) GS 3°.

TILLER, NO **NDB** - HHW 350.000 TIL N68°59.78' E19°05.78' 282° 12.5 NM to BARDUFOSS.
340/6°13.0'E **H-1C, L-1C**

TIMIMOUN, AG **DAUT** CIV N29°14.23' E0°16.56' 1027 UTC+1 **H-9B-11C, L-13D**
RWY-06 (9843x148 ASP PCN 52 F/A/W/T) **RWY-24**
REMARKS - Opr 0800-1600Z. **CAUTION** - Hi tension line parl to rwy.
COMMUNICATIONS - **RDO** - 8894 **TWR** - 119.7
NAVAIDS - **TIMIMOUN VORW-DME** - HA 112.800 TIO CH 75 (200/40) N29°13.56'
E0°15.49' 058° 1.2 NM to Fld. 1032/(A)3°0.0'W **TIMIMOUN NDB** - HW 383.000 TIO
(125/16) N29°14.42' E0°15.45' 103° 1.0 NM to Fld. Unk/1°06.2'W

TIMISOARA, RO **NDB** - HW 408.000 TSR N45°49.08' E21°18.32' 110° 1.4 NM
to TRAIAN VUIA. 314/3°39.3'E **H-4F, L-10H**

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TINDOUF, AG **VORW-DME** - HA 114.200 TDF CH 89 (200/41) N27°42.60' W8°07.85'
1363/3°34.0'W **H-9A-11B, L-19B**

TIRANA ACC, AL **LAAA (V) TIRANA CON** - (R) 127.5 133.15 **H-4F-15D, L-12G**

TIRANA RINAS, (MOTHER TERESA) AL **LATI MIL/CIV** N41°24.88' E19°43.23' 126
UTC+1(+2DT) **H-15D, L-12G**

(B) **RWY-18** L3,5,9,12,50,55 (8971x148 ASP PCN 60 F/C/W/T) L3,5,9,14,50,55 **RWY-36**

SERVICE - FUEL - Avbl 0500-2100Z++. OT O/R fone C44-1-202-590-558. A1 (Air BP)

REMARKS - RSTD - Rwy 18 ldg only. Rwy 36 tkof only. **CAUTION** - Animal haz.

COMMUNICATIONS - ACC - 127.5 124.025 **APP** - 133.15 124.025 **TWR** - 122.5 123.5

NAVAIDS - TIRANA VORW-DME - HA 117.700 TRN CH 124 N41°24.97' E19°43.09' At Fld.
125/3°00.3'E **TIRANA NDB** - HHW 290.000 TR N41°27.79' E19°42.85' 174° 2.9 NM
to Fld. 89/3°00.5'E

TIREE, UK **EGPU CIV** N56°29.95' W6°52.15' 38 UTC 0(+1DT) **L-3B**

(B) **RWY-05** L50,53

(4600x98 ASP PCN 6 R/B/Y/T)

L50,53 **RWY-23**

RWY-11 L53

(2690x62 ASP PCN 6 R/B/Y/T)

←4429

RWY-17

(1968x58 CON)

L53 **RWY-29**

RWY-35

REMARKS - Opr 1000-1500Z++ Mon-Fri, 0930-1100Z++ Sat, OT by arng with opr. **RSTD** -
PPR. All twy clsd exc btn Rwy 11 and ctl twr.

COMMUNICATIONS - AFIS - 122.7

NAVAIDS - TIREE VORW-DME - HA 117.700 TIR CH 124 (090/50) N56°29.59' W6°52.53'
At Fld. 36/(A)7°00.0'W (200/50 231°-321°)

TISKA, AG **DAAJ CIV** N24°17.57' E9°27.15' 3176 UTC+1 **H-11D-12E, L-19C**

(B) **RWY-02**

(7874x148 ASP S139 T176 TT300)

RWY-20

RWY-13 L7A

(9843x148 ASP S139 T176 TT300)

L7A **RWY-31**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr 0730-1530Z. **RSTD** - 180° turns proh on rwy.

COMMUNICATIONS - DJANET RDO - 8894 **DJANET TWR** - 118.1 119.7

NAVAIDS - DJANET DVORW-DME - HA 114.100 DJA CH 88 (200/50) N24°17.27' E9°27.20'
At Fld. 3176/(A)1°00.0'W **DJANET NDB** - HW 274.000 DJA N24°17.20' E9°27.29' At Fld.
3176/0°20.6'E

TITAN, HU See KECSKEMET

TITO MINNITI, IT See REGGIO CALABRIA

TIVAT, YI **LYTV CIV** N42°24.28' E18°43.40' 20 UTC+1(+2DT) **L-12G**

RWY-14 L5,43

(8208x148 ASP)

L5,39,43 **RWY-32**

SERVICE - LGT - PAPI Rwy 32 GS 3.2°.

REMARKS - Opr 0700-1430Z++ **CAUTION** - Bird haz. **CSTMS/AG/IMG** - CSTMS, IMG avbl
HS.

COMMUNICATIONS - APP - 118.0 **TWR** - 118.0

NAVAIDS - TIVAT NDB - HW 345.000 TAZ N42°16.92' E18°48.02' 332° 8.1 NM to Fld.
Unk/2°55.1'E

ILS/RADAR - ➔**LOC-DME** - BRG 336° LCZR TIV 111.3 CH 50.

TLEMCEN, AG **DVORW-DME** - HA 116.500 TLM CH 112 (200/50) N35°02.12' W1°23.28'
255° 3.4 NM to ZENATA. 1001/1°24.2'W **NDB** - HW 346.000 TLM (180/26) N35°02.40'
W1°22.07' 253° 4.3 NM to ZENATA. Unk/1°23.8'W **H-9B, L-13D**

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TOHID, IR **VORW-DME** - HA 116.800 JAM CH 115 N27°49.31' E52°20.58' At JAM.
2173/2°16.0'E **NDB** - HHW 385.000 JAM N27°49.39' E52°20.38' At JAM. 2173/2°16.0'E
JAM VOR-DME unuse
030°-100° byd 20 NM blw 7000'
100°-130° byd 20 NM blw 7500'
130°-150° byd 20 NM blw 8000'
150°-240° byd 20 NM blw 7500'
240°-320° byd 20 NM blw 7000'
320°-350° byd 20 NM blw 7500'
350°-030° byd 20 NM blw 8000'
030°-070° byd 40 NM blw 11,000'
070°-110° byd 40 NM blw 12,000'
110°-260° byd 40 NM blw 15,000'
260°-320° byd 40 NM blw 13,000'
320°-030° byd 40 NM blw 14,000'

H-13C, L-18F

TOKAT, TU **LTAW** CIV N40°18.38' E36°22.27' 1831 UTC+2(+3DT) **H-13A, L-15C**
RWY-04 (5298x98 ASP) **RWY-22**
COMMUNICATIONS - TWR - (U) 118.7 337.625
NAVAIDS - TOKAT NDB-DME - MHW 403.000 TKT CH 97 N40°18.35' E36°22.02' At Fld.
1831/4°54.0'E

TOKOL, (DARU) HU **LHTL** MIL N47°20.73' E18°58.86' 333 UTC+1(+2DT) **H-4E, L-10F**
RWY-14 L6 (8200x205 CON PCN 45 R/B/W/U) **L2,6,9,11 RWY-32**
SERVICE - FUEL - (NC-A1)
REMARKS - RSTD - CLSD UFN. PPR. Arr vectored by Budapest APP CON for Rwy 32.
Chgover to TOKOL TWR at FAP Rwy 32. Afld not avbl as altn.
COMMUNICATIONS - BUDAPEST APP - (R) (V) 129.7 **TWR - (E)** 119.75 129.0
NAVAIDS - TOKOL NDB - MHW 300.000 D N47°19.77' E19°00.07' 317° 1.3 NM to Fld.
333/3°20.1'E **TOKOL NDB** - MHW 510.000 DU N47°18.54' E19°01.46' 319° 2.8 NM
to Fld. 333/3°20.3'E

TOLEDO, SP **VORW-DME** - HA 113.200 TLD CH 79 N39°58.17' W4°20.25'
1946/(A)3°00.0'W **NDB** - MHW 385.000 TEO N39°58.37' W4°20.76' Unk/2°26.7'W
TLD VORW-DME unuse
072° byd 50 NM blw 4000'
252° byd 50 NM blw 7500'
263° byd 50 NM blw 4000'

H-3A-16I, L-11B

TOLGA, NO **VORW-DME** - HA 117.400 TGA CH 121 N62°27.70' E10°52.73'
3377/(A)1°00.0'E **H-2G, L-1C**

TOMBOUCTOU, ML **GATB** CIV N16°43.83' W3°00.45' 863 UTC 0 **H-11C, L-19B**
RWY-07 LA,55 (6923x98 ASP C130) **LA,55 RWY-25**
REMARKS - Opr 0800-1800Z, OT O/R to GABVYAYX. **RSTD** - Ovft and ldg O/R to
GABVYAYX.
COMMUNICATIONS - TWR - 118.3
NAVAIDS - TOMBOUCTOU VORW-DME - HA 117.300 TBT CH 120 N16°44.04' W3°00.20'
At Fld. 863/3°07.2'W **TOMBOUCTOU NDB** - MHW 268.000 TB N16°43.82' W2°59.85'
At Fld. Unk/3°07.1'W Opr 0800-1800Z. OT O/R to GABVYAYX.

TOMPKINS BKS HELIPAD, GM See COLEMAN AAF

TOPCLIFFE, UK **EGXZ** MIL N54°12.33' W1°22.93' 92 UTC 0(+1DT) **H-3D-5B, L-3C**
RWY-03 L5A,50 (5951x150 ASP) **L5,24,50 RWY-21**
4704→
RWY-13 L7,50 (4140x150 ASP) **L7,50 RWY-31**
←3103
SERVICE - JASU - 1(E17) **FUEL** - A1+ **FLUID** - De-Ice **OIL** - O-156

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REMARKS - Opr 0800-1715Z++ Mon-Thu, 0800-1700Z++ Fri, OT O/R thru Linton-on-Ouse OPS. **RSTD** - PPR thru RAF Linton-on-Ouse. Rpt LDA Rwy 13 is 4074'. **CAUTION** - Freefall/parachuting act wi 3 NM of arpt up to FL 150 SR-SS Sat, Sun and hol. All acft ctc A/G. Gldr act evenings Mon-Fri, Sat-Sun SR-SS. Freq 125.0 used by gldr.

COMMUNICATIONS - **APP** - 125.0 122.1X 293.775 362.3X **TWR** - 122.1X 379.75 257.8X **GND** - 241.875

NAVAIDS - **UHF/DF**

ILS/RADAR - **n RADAR** - PAR - Call TALKDOWN 123.3x 385.4x. MP 1600-1715Z++ 1st Thu.

TOPEL, TU **LTBQ** MIL/CIV N40°44.10' E30°05.00' 182 UTC+2(+3DT) **H-4H, L-15A**
RWY-09 L7,43 (9842x98 ASP C2) L7,33,43 **RWY-27**
500S(B) (1115') 500S(B) (1115')

SERVICE - **LGT** - VASI Rwy 09 GS 2.5°. **A-GEAR** - 15 min PN rqr.

REMARKS - Opr by NOTAM.

COMMUNICATIONS - **YESILKOY APP** - H24 (R) (E) 120.5 121.1 122.2 362.3
TWR - (E) 122.1 257.8 362.3 **GND** - 121.95 251.25

NAVAIDS - **TOPEL TACAN** - T ARF CH 86 N40°43.93' E30°03.88' At Fld. 174/4°21.4'E
TOPEL NDB - MHW 383.500 ARF N40°43.97' E30°05.07' At Fld. 174/4°21.6'E

TOPOLA, YI **VORW-DME** - HA 116.800 TPL CH 115 N44°08.61' E20°44.67'
1526/(A)2°00.0'E **NDB** - HW 348.000 TPL N44°08.39' E20°44.74' Unk/3°23.8'E
H-4F, L-12G

TOR, NO **NDB** - HW 375.000 TR N56°38.48' E3°19.53' Unk/1°40.8'W In Ekofish oil platform area. **H-5B, L-3D**

TORAMO, FI **NDB/LOM** - MHW 416.000 TOR N66°38.33' E25°58.26' Unk/9°25.5'E **L-1D**

TORFUR, IC **NDB** - MHW 324.000 TO N65°30.02' W18°09.02' 027° 9.8 NM to AKUREYRI.
Unk/15°37.0'W **L-1A**

TORINO, (TORINO CASELLE) IT **LIMF** CIV N45°12.05' E7°38.98' 989 UTC+1(+2DT)
H-7C, L-9B-11D

(B) **RWY-18** L4,5,9,50 (10827x197 ASP PCN 115 F/B/X/T) L3,4,5,9,24,50 **RWY-36**
8449→ ←9679
←HOOK BAK-9 (24' OVRN)

SERVICE - **LGT** - PAPI Rwy 18 MEHT 52', Rwy 36 MEHT 81'. **FUEL** - Avbl 0500-2100Z++, OT O/R 2 hr PN dur nml hr. (NC-100LL, A1) **FLUID** - De-Ice **OIL** - O-128

REMARKS - **RSTD** - PPR. Rwy 18 not avbl for tkof exc dur adverse wx. 2300-0500Z++ Mon-Sat, tkof and ldg forbidden. **CAUTION** - Cranes in area. Tkof and ldg with ctn due to bird presence. **NS ABTMT** - APU not auth til 60 min before ETD or 20 min aft ATA.

COMMUNICATIONS - **ATIS** - 120.475 **APP** - (R) (E) 129.275 121.1 340.55 258.9 279.35
234.4X **TWR** - (E) 118.5 257.8 **GND** - Opr 0600-2200Z++ 121.7

NAVAIDS - **CASELLE TVORW-DME** - HA 116.750 CSL CH 114(Y) (045/25) N45°13.18' E7°38.97' 179° 1.1 NM to Fld. 1007/0°41.4'E MP 1000-1200Z++ 1st Wed.
TORINO VORW-DME - HA 114.500 TOP CH 92 (080/60) N44°55.53' E7°51.70' 331° 18.8 NM to Fld. 866/(A)0°00.0'E (200/60 to the S.) VOR/DME MP 0700-0800Z++ 1st Thu and 1300-1400Z++ 3rd Thu; DME MP 0700-1100Z++ 1st Thu and 1300-1700Z++ 3rd Thu.
CASELLE TACAN - HA CAS CH 32 (040/25) N45°11.63' E7°39.17' At Fld. 961/0°41.5'E MP 0700-1100Z++ 1st and 3rd Fri. **CASELLE NDB/LOM** - MHW 357.000 CAS N45°07.41' E7°38.72' 002° 4.6 NM to Fld. Unk/0°41.6'E **TORINO NDB** - MHW 392.500 TOP N44°55.48' E7°51.63' 332° 18.8 NM to Fld. Unk/0°45.1'E MP 0800-1100Z++ 2nd Tue mthly. O/S UFN. **VHF/UHF/DF**
CSL TVORW-DME MRA 25 NM 360°-040° 13,000'
040°-210° 4000'
210°-270° 13,000'
270°-360° 15,000'

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TOP VORW-DME MRA 40 NM 015°-100° 4000'
 100°-180° 6000'
 180°-230° 10,000'
 230°-340° 15,000'
 340°-015° 10,000'
CAS TACAN MRA 40 NM 040°-100° 6000'
 100°-200° 12,000'
 200°-230° 17,000'
 230°-040° 22,000'
TOP NDB MRA 50 NM 010°-100° 6000'
 100°-170° 9000'
 170°-220° 12,000'
 220°-010° 16,000'

ILS/RADAR - ➔ ILS - BRG 003° LCZR CAS 109.5 GS 3° LOM CAS 357.0. Rgt apch sctr ltd to 15°.

TORINO AERO CLUB, IT See AERITALIA

TORINO CASELLE, IT See TORINO

TORP, NO **ENTO** CIV (CIV) N59°11.20' E10°15.52' 286 UTC+1(+2DT) **H-2G, L-2E**
RWY-18 L2,5,24,50 (9675x148 ASP PCN 45 F/B/X/U) L5,41,50 **RWY-36**
8444➔ ←8444

SERVICE - FUEL - Avbl 0530-2130Z++ Mon-Fri, 0530-1630Z++ Sat, 0600-2130Z++ Sun.
(NC-100LL, A1) **FLUID** - De-Ice avbl via Twy C. 119.125

REMARKS - RSTD - Mil acft opr 0630-1430Z++ Mon-Fri, clsd hol. PPR Diplomatic clnc req to COMAIRNORTH. 7 days PN rqr via C47 3342 7000. Not to be used as IFR alt. Parl twy clsd to F/W acft. **CAUTION** - Gldr act on arpt to 5000' dly btn Jun-Aug; gldr act Sat and Sun only btn Sep-Dec. **NS ABTMT** - Rwy 18 jet acft climb to SF NDB before turning on crs. **CSTMS/IMG** - Avbl O/R 1 hr 30 min to twr, fone C(034)70 211. **MISC** - Hi priority flt only Sat and Sun.

COMMUNICATIONS - ATIS - Opr 0530-2245Z++ Mon-Fri, 0545-1600Z++ Sat, 0545-2245Z++ Sun. 119.075 **FARRIS TCA** - Call APP. (R) 134.05 **TWR** - Opr 0530-2200Z++ Sun-Fri, 0530-1700Z++ Sat. OT O/R C47-3342-7032. (R) (E) 118.65 **GND** - 126.175

NAVAIDS - TORP VORW-DME - HA 113.850 TOR CH 85(Y) N59°10.15' E10°15.56' 359° 1.1 NM to Fld. 269/(A)0°00.0'E **VHF/UHF/DF**

ILS/RADAR - ➔ ILS - BRG 180° LCZR TP 108.3 GS 3° LOM DA 404 LCTR SF 283. Proc unavbl til 29 Sep 06.

TORRALBA DE ARAGON, SP **NDB** - HW 335.000 TON N41°55.67' W0°30.83' Unk/1°22.9'W **L-11C**

TORREJON, (MADRID TORREJON) SP **LETO** MIL/CIV N40°29.80' W3°26.75' 2026 UTC+1(+2DT) **H-3A-16I, L-11B, AACDTD**
(B) **RWY-05** L4,5,9,33,50 (12001x217 ASP) L4,5,9,33,50 **RWY-23**
➔61QSII 500S-8 (328' OVRN) HOOK 44B-2C(B) (1805') 61QSII 500S-8 (131' OVRN) ←

SERVICE - LGT - PAPI Rwy 05 O/S UFN. **A-GEAR** - UFN the BAK-13 sys do not meet US std and should not be engaged by US or DoD acft. **FUEL** - (NC-A1+) **FLUID** - De-Ice SP HPOX LOX **OIL** - 0-128-148-156

REMARKS - RSTD - NORDO and copter proh. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - MADRID APP - (R) (E) 118.4 118.75 119.95 266.7 364.425 (E SCTR 118.4) **TWR** - (E) 122.1 138.7 139.3 257.8 315.3 **GND** - 118.3 375.0 **GCA** - 118.9 125.3 344.0 385.4

NAVAIDS - TORREJON TVORW-DME - T 115.100 VJZ CH 98 N40°33.85' W3°21.62' 226° 5.6 NM to Fld. 2380/2°10.2'W MP 1530-1830Z Mon. **TORREJON TACAN** - T TJZ CH 72 N40°29.93' W3°26.73' At Fld. 2011/2°11.5'W MP 1530-1830Z Mon. **TORREJON NDB** - HW 426.000 TJA N40°34.09' W3°21.44' 226° 5.9 NM to Fld. Unk/2°10.0'W MP 1530-1830Z Mon. TJZ TACAN unuse 300°-320° all alt

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ILS/RADAR - ILS-DME 23. ■RADAR ASR - Call Torrejon GCA - 118.9 266.7 344.0 PAR - Call Final - 125.3 385.4.

TORSBY, (TORSBY FRYKLANDA) SW **ESST** CIV N60°09.46' E12°59.48' 393
UTC+1(+2DT) **L-2F**
RWY-16 L5,11,50 (5219x95 ASP) L5,12,50 **RWY-34**
4852→
SERVICE - LGT - PAPI Rwy 16-34 GS 3.5°. Rwy lgt start/end at displ thld. **FUEL** - O/R
0600-1600Z++, ctc OPS. (NC-100LL, A1)
REMARKS - Opr O/R. **RSTD** - IFR tfc O/R ctc OPS. **CAUTION** - Ngt OPS ltd to 4655'.
MISC - OPS fone C+46 (0)560 717 24/106 54, fax C+46 (0)560 143 99.
COMMUNICATIONS - AFIS - O/R fone C+ (0)560 717 24. **(V)** 122.05
ILS/RADAR - ➡ LOC - BRG 337° LCZR ST 110.9 LCTR TY 384. Positive guidance only btn ±
10° fr cntrline. ➡ **LOC-DME** - BRG 156° LCZR NST 108.7 CH 24 LCTR TH 402.

TORTOLI, (TORTOLI ARBATAX) IT **LIET** CIV N39°55.13' E9°40.98' 23 UTC+1(+2DT)
L-12E
RWY-12 L7 (3898x98 ASP PCN 40 F/C/Y/T) L7,50 **RWY-30**
SERVICE - LGT - PAPI Rwy 30 (left bar only) GS 3° MEHT 29.5'. **FUEL** - (NC-A1)
REMARKS - RSTD - PPR H24, IFR perms rqr. **CSTMS/IMG** - CSTMS avbl O/R 24 hr PN.
COMMUNICATIONS - INFO - (V) 119.65
NAVAIDS - TORTOLI NDB - MHW 289.000 ARB N39°55.29' E9°40.72' At Fld. 22/1°10.8'E
ARB NDB MRA 25 NM
020°-160° 3000'
160°-190° 1000'
190°-320° Not usable
320°-020° 1000'

TORTOLI AIRBATAX, IT See TORTOLI

TORUN, PL **EPTO** CIV N53°01.75' E18°32.75' 164 UTC+1(+2DT) **L-21A**
RWY-01 (3900x187 CON) **RWY-19**
RWY-11L (2791x328 GRS) **RWY-29R**
RWY-11R (4163x187 CON) **RWY-29L**
SERVICE - FUEL - (NC-100LL)
REMARKS - Opr 0800-1600Z++ Mon-Fri, OT PPR.
COMMUNICATIONS - AERO - 122.2
NAVAIDS - GRUDZIADZ DVORW-DME - HA 114.600 GRU CH 93 N53°31.27' E18°46.88'
193° 30.8 NM to Fld. 295/(A)2°00.0'E

TOUAT CHEIKH SIDI MOHAMED BELKEBIR, AG **DAUA** CIV
N27°50.26' W0°11.18' 919 UTC+1 **H-11D, L-19B**
RWY-04 L7,8,9A,50 (9843x148 ASP PCN 87 F/A/W/T) **RWY-22**
SERVICE - FUEL - (NC-A1)
REMARKS - Opr 0700-1500Z.
COMMUNICATIONS - ADRAR RDO - 8894 **ADRAR TWR** - 119.7 118.3
NAVAIDS - ADRAR VORW-DME - T 112.600 ADR CH 73 (200/25) N27°48.42' W0°12.92'
041° 2.4 NM to Fld. 920/1°17.5'W **ADRAR NDB** - HW 340.000 ADR (125/16) N27°47.12'
W0°13.82' 037° 3.9 NM to Fld. Unk/1°16.0'W

TOUGGOURT, AG See SIDI MAHDI

TOULON NAVY CONTROL CENTER, FR **FANNY** - 118.5 127.975
231.375 249.65 (2436 daylt, 3896 ngt)

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TOULOUSE, FR **VORW-DME** - HA 117.700 TOW CH 124 (040/50) N43°40.85' E1°18.59' 145° 3.9 NM to BLAGNAC. 555/(A)2°0.0'W (120/50 in sctr 195° -255°) **NDB** - MHW 415.000 TOE N43°28.87' E1°40.79' 303° 16.4 NM to BLAGNAC. 898/0°50.0'W **NDB** - MHW 423.000 TS N43°30.44' E1°29.21' 324° 9.1 NM to BLAGNAC. 844/0°53.0'W **NDB** - MHW 406.000 TW N43°31.84' E1°01.52' 068° 15.9 NM to BLAGNAC. 813/1°1.0'W **H-7B-15A, L-11C**

TOULOUSE/FRANCAZAL, FR **TACAN** - HA TLU CH 107 (080/50) N43°32.91' E1°22.09' At FRANCAZAL. 219° 7.5 NM to LHERM. 597/(A)3°00.0'W (150/50 to NE) MP 0700-1100Z++Wed. **H-7B-15A, L-11C**

TOUR DU PIN, FR **TVORW-DME** - HA 115.550 LTP CH 102(Y) (080/50) N45°29.34' E5°26.34' 2165/(A)1°00.0'W **H-7B, L-8H-9A**

TOURS, FR **TACAN** - HA TUR CH 85 (100/50) N47°25.33' E0°43.85' At VAL DE LOIRE. 329/(A)3°0.0'W (150/50 180°-360°) **NDB** - MHW 331.000 TUR N47°33.95' E0°46.96' 196° 8.3 NM to VAL DE LOIRE. 551/1°27.0'W (50 NM) **H-7A, L-7C**

TOUSSUS LE NOBLE, FR **LFPN** CIV N48°45.12' E2°06.37' 538 UTC+1(+2DT)
H-6F, L-7C
RWY-07L L1,5,9,50 (3609x98 ASP PCN 12 F/C/Y/U) L1,5,9,23,50 **RWY-25R**
RWY-07R L7,50 (3445x98 ASP PCN 12 F/C/Y/U) L7,50 **RWY-25L**
SERVICE - AOE **LGT** - PCL outside opr hrs and only btn 0500-2130Z++. **FUEL** - Avbl 0600-1900Z++, OT PPR. (NC-100LL, A1) **OIL** - O-113-117-128
REMARKS - Opr by NOTAM only btn 0500-2130Z++. **RSTD** - Proh to all air t/c fr 2130-0500Z++. **NORDO** and acft with max tkof wt greater than 12 tons proh.
COMMUNICATIONS - **ATIS** - 127.475 **TWR** - Opr by NOTAM. 119.3 **GND** - 121.85
NAVAIDS - **TOUSSUS VORW** - HA 108.250 TSU (080/50) N48°45.22' E2°06.14' At Fld. 547/(A)3°0.0'W (100/50 135°-315°). **VHF/DF**
ILS/RADAR - ➔ **ILS-DME** - BRG 253° LCZR TNO 110.15 CH 38(Y) GS 3°.

TOZEUR, TS **VORW-DME** - HA 117.000 TON CH 117 (135/30) N33°56.46' E8°06.02' At NEFTA. 289/(A)2°00.0'W **H-9D, L-14E**

TRABZON, TU **LTCG** CIV N40°59.71' E39°47.38' 104 UTC+2(+3DT) **H-13A, L-15C**
(B) **RWY-11** L3,4,5,9,14,50 (8661x148 ASP PCN 75 R/A/X/T) L4,5,9,41,50 **RWY-29**
SERVICE - **LGT** - PAPI Rwy 11 GS 3.3°, PAPI Rwy 29 GS 3.5°. **FUEL** - (NC-A1)
REMARKS - **CAUTION** - Bird concentrations and movements take place up to 300' AGL in vcnty of afld.
COMMUNICATIONS - **APP** - (E) 120.1 122.1 362.3 **TWR** - (E) 120.1 122.1 362.3 **GND** - 121.9
NAVAIDS - **TRABZON VORW-DME** - HA 114.900 TBN CH 96 N40°59.72' E39°47.73' At Fld. 36/(A)3°00.0'E **TRABZON NDB** - HHW 371.000 TBN N40°59.72' E39°47.73' At Fld. 104/5°17.6'E **TRABZON NDB** - HHW 392.000 AKC N41°05.36' E39°28.15' 106° 15.6 NM to Fld. 104/5°17.6'E
ILS/RADAR - **ILS-DME** - 11 Rwy 11 LLZ unuse byd 10° S of course.

TRAIAN VUIA, RO **LRTR** MIL/CIV N45°48.59' E21°20.27' 348 UTC+2(+3DT)
H-4F, L-10H
RWY-11 L4,5,11,50 (11483x148 CON PCN 54 R/D/W/T) L3,4,5,12,50 **RWY-29**
SERVICE - **FUEL** - (NC-A1)
REMARKS - **CSTMS/AG/IMG** - Avbl
COMMUNICATIONS - **TIMISOARA APP** - 120.1 **TIMISOARA TWR** - 120.1 **TIMISOARA GND** - 121.6
NAVAIDS - **TIMISOARA NDB** - HW 408.000 TSR N45°49.08' E21°18.32' 110° 1.4 NM to Fld. 314/3°39.3'E

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ILS/RADAR - ➔ ILS-DME - BRG 287° LCZR I-TR 109.3 CH 30 GS 3.0°

TRAKSHI, LG **VORW-DME** - HA 112.900 LBN CH 76 N56°46.40' E26°21.13'
300/(A)5°00.0'E **L-2H**

TRANO, DA **VORW-DME** - HA 117.400 TNO CH 121 (060/50) N55°46.45' E11°26.35'
-12/(A)1°00.0'E **H-5D, L-2F**

TRANSILVANIA TARGU MURES, RO See VIDRASAU

TRAPANI BIRGI, (L BASSI) IT **LICT** MIL/CIV N37°54.68' E12°29.28' 24 UTC+1(+2DT)
H-15C, L-12E-14F
(B) **RWY-13** L6,12,50 (8852x148 ASP) L6,12,50 **RWY-31**
←8032

HOOK BAK-12A(B) (170' OVRN) HOOK BAK-12A(B) (29' OVRN)

SERVICE - AOE **LGT** - PAPI Rwy 13 GS 2.5° MEHT 41', Rwy 31 MEHT 48'. **A-GEAR** -
BAK-12 Rwy 13/31 avbl O/R Sat, hol, 7 Aug. **FUEL** - 24 hr PN rqr. 100LL, A1, J8. **FLUID** -
LHOX LOX Sat, hol, 7 Aug 1hr PN. **OIL** - O-123-147-148-149-155-156

REMARKS - **RSTD** - PPR 24 hr thru Base OPS, incl PPR nr in FPL. Parl twy avbl as emerg rwy.
CAUTION - Bird act. Rwy 13/31 holes in thld UFN. BAK-12 parl twy 6435' fr thld Rwy 31.

COMMUNICATIONS - **APP** - Radar svc ltd wkcd daylgt hr. (R) (E) 119.95 122.1 141.15
235.15 389.1 362.3 **TWR** - (E) 119.7 122.1 257.8 339.45 **GND** - 396.85

NAVAIDS - **TRAPANI VORTACW** - HA 108.800 TRP CH 25 (080/50) N37°53.76' E12°30.79'
306° 1.5 NM to Fld. 128/(A)0°00.0'E MP 1000-1200Z++1st Tue. **TRAPANI NDB** - MHW
317.500 TRP N37°54.86' E12°29.58' At Fld. Unk/1°38.7'E MP 0800-1000Z++ 1st Wed.
TRP VORTAC MRA 40 NM 140°-200° 6000'

200°-350° 4000'
350°-140° 10,000'
360°-130° 10,000'
130°-360° 2000'

TRP NDB MRA 50 NM

ILS/RADAR - ➔ ILS-DME - BRG 306° LCZR TRA 110.95 CH 46Y GS 3°. **RADAR** SEE
TERMINAL FLIP FOR RADAR MINIMA.

TRASADINGEN, SZ **DVORW-DME** - HA 114.300 TRA CH 90 (100/50) N47°41.37'
E8°26.22' 1850/(A)0°00.0'E **H-6I-7C, L-6G**

TREBBIN, GM See SCHONHAGEN

TREBLO, PL **VORW** - HA 115.400 TRB N54°12.63' E17°04.40' Unk/(A)3°00.0'E
H-8F-5E, L-5E-22E

TREBOVA, EZ **NDB** - HHW 492.000 TBV N49°47.75' E16°40.73' Unk/2°58.7'E
H-4E-6J-8F, L-22E

TRENCIN, LO **LZTN** MIL/CIV N48°51.90' E17°59.53' 676 UTC+1(+2DT)
H-4E-6J, L-10F-22E

RWY-03 (3230x215 GRS)
RWY-04 (6562x98 CON PCN 36 R/B/X/T)

RWY-21
RWY-22

SERVICE - **FUEL** - (NC-A1, 100)

REMARKS - Opr 0600-1300Z++ Mon-Fri.

COMMUNICATIONS - **TWR** - 120.75 **INFO** - 120.75 123.6 119.175

NAVAIDS - **TRENCIN NDB** - MHW 338.000 TR N48°51.67' E17°56.50' 081° 2.0 NM to Fld.
Unk/3°13.2'E Opr HO.

TRENT, UK **VORW-DME** - HA 115.700 TNT CH 104 (080/50) N53°03.23' W1°40.20'
968/(A)4°00.0'W (100/50 in sctr 232°-322°) **H-3D-5B-6F, L-3A-C, T-2F**

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TRENTO MATTARELLO, IT See MATTARELLO

TREVISO, (TREVISO S ANGELO) IT **LIPH** MIL/CIV N45°38.90' E12°11.67' 59
UTC+1(+2DT) **H-7D, L-9C**
(B) **RWY-07** L3,4,7,10,50 (7941x144 ASP SWL44) L4,7,50 **RWY-25**
7687→ ←-7552
HOOK 34B-1A (292')
SERVICE - LGT - PAPI Rwy 07 MEHT 62', PAPI Rwy 25 MEHT 52'. **A-GEAR** - For base acft only. **JASU** - 1(MD-3) **FUEL** - J8. O/R 72 hr PN Istrana OPS (NC-A1) (A1 avbl 0800-1700Z++, OT O/R)
REMARKS - RSTD - PPR 24 hr PN Base OPS. Incl PPR nr on FPL. GCA for based opr only. Ldg Rwy 07 fst and third twy rgt side clsd UFN. **CAUTION** - Bird haz. **NS ABTMT** - Btn 2200-0500Z++ ldg acft must use entire len of rwy. Ldg acft use of reverse thrust exceeding manual min limits proh exc for safety. APU not auth til 60 min before ETD or 20 min aft ATA. **MISC** - MET info avbl 0530-1930Z++ Mon-Fri. 1st and 3rd mil twy rgt side Rwy 07 clsd UFN.
COMMUNICATIONS - APP - (R) (E) 120.4 122.1 121.15X 337.95 275.5 362.3
TWR - (E) 118.7 122.1 257.8 278.2 **GND** - 279.175 **PADOVA INFO** - 124.15
NAVAIDS - TREVISO NDB/LOM - MHW 301.500 TRE N45°37.35' E12°05.74' 068° 4.4 NM to Fld. Unk/1°45.2'E MP 1000-1300Z++ 1st Wed.
TRE NDB MRA 210°-270° 20 NM 3500'
270°-300° 15 NM 6000'
300°-040° 10 NM 7000'
ILS/RADAR - ILS - BC unuse. **RADAR** - ASR unrel 350°-025° blw 2000', 155°-180° blw 2000' within 10 NM. MP 1100-1500Z++ 2nd Tue odd months.

TREVISO S ANGELO, IT See TREVISO

TREZZO, IT **VORW-DME** - HA 111.800 TZO CH 55 (060/50) N45°33.56' E9°30.43' 500/(A)0°00.0'E MP 0700-0830Z++ 1st Tue. **NDB** - MHW 345.000 TZO N45°33.51' E9°30.56' 499/1°08.7'E
TZO VOR-DME MRA byd 10 NM 020°-050° 12,000'
050°-080° 10,000'
080°-100° 5000'
100°-300° 3000'
300°-320° 5000'
320°-020° 10,000'
TZO VOR-DME MRA within 10 NM 020°-330° 3000'
330°-020° 4500'
TZO NDB MRA 50 NM 050°-080° 13,000'
080°-100° 11,000'
100°-160° 3000'
160°-200° 6000'
200°-270° 3000'
270°-290° 5000'
290°-300° 8000'
300°-050° 14,000'

H-7C, L-9B

TRIER FOHREN, GM **EDRT** MIL/CIV (MILCIV) N49°51.80' E6°47.33' 665
UTC+1(+2DT) **L-6G**
RWY-05 (3937x98 CON AUW33) **RWY-23**
←-3707
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0900Z++-SS, OT PPR. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/AG/IMG** - O/R 1 hr.
COMMUNICATIONS - LANGEN INFO - 123.525 **INFO** - 122.05
NAVAIDS - VHF/DF

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TRIPOLI ACC/FIC, LY HLLL (CIV) **CON** - (Ctc TRIPOLI FIC before entering Tripoli FIR on 5517, 8894 or 11300.) (V) 120.9 125.8 128.4 3419 5652 8894 11300 13273
H-9D-10E-F-G-11D-12E-F-G, L-14E-F-G-H-20E

TRIPOLI INTL, LY HLLT MIL/CIV N32°39.81' E13°09.54' 263 UTC+2 **H-10E, L-14F**
(B) **RWY-09** L4,5,9,10,43,50 (1815x145 ASP) L3,4,5,9,10,50 **RWY-27**
RWY-18 L5,10,43 (8650x145 ASP) L5,10,43 **RWY-36**
←8275

SERVICE - FUEL - (NC-100, A1) **OIL** - O-100-120

REMARKS - RSTD - Fst 3281' Rwy 09 clsd for maint UFN.

COMMUNICATIONS - APP - 124.0 **TWR** - (V) 118.1 **GND** - 120.1 **AFIS** - 0400-2359Z++
123.0

NAVAIDS - TRIPOLI VORW-DME - HA 114.500 TPI CH 92 N32°39.75' E13°09.33' At Fld.
263/(A)0°00.0'E **ABU ARGUB VORW-DME** - HA 115.100 ABU CH 98 N32°27.77'
E13°10.17' 356° 12.0 NM to Fld. 470/1°29.1'E

ILS/RADAR - ➔ **ILS** - BRG 270° LCZR IWT 109.5 GS 2.5° . ➔ **ILS** - BRG 180° LCZR TS 110.3 GS
2.75° .

TRIPOLIS, GR LGTP MIL N37°31.83' E22°24.22' 2113 UTC+2(+3DT) **H-15E, L-14H, T-2E**
RWY-02 L55 (6368x98 ASP) L55 **RWY-20**

SERVICE - FUEL - (NC-100LL, 115)

REMARKS - Opr SR-1200Z++, OT 1 hr PN. **CAUTION** - Fst 1000' Rwy 02 and fst 4000' Rwy
20 and finals/base legs not vis fr twr.

COMMUNICATIONS - TWR - (U) 122.1 257.8

NAVAIDS - TRIPOLIS VORW-DME - HA 116.200 TRL CH 109 (150/50) N37°24.16'
E22°20.38' 020° 8.2 NM to Fld. 3429/(A)2°00.0'E **TRIPOLIS TACAN** - HA TPO CH 35
(040/25) N37°31.67' E22°24.32' At Fld. 2113/3°04.8'E TACAN unrel, awt flt ck.

TROGIR, HR **NDB/LOM** - HW 378.000 TRI N43°29.81' E16°13.35' 050° 4.2 NM to SPLIT.
167/2°32.2'E **H-4E, L-12F**

TROLLENHAGEN, GM See NEUBRANDENBURG

TROLLHATTAN VANERSBORG, (VANERSBORG) SW **ESGT** CIV
N58°19.08' E12°20.70' 137 UTC+1(+2DT) **H-2G, L-2F**
RWY-15 L1,5,13,50 (5610x98 ASP PCN 15 F/C/X/T) L1,5,9,11,50 **RWY-33**
←4921

SERVICE - LGT - ACTIVATE-LIRL depress trans key 5 sec 122.725. **FUEL** - Avbl dur TWR hr.
(NC-100LL, A1) **FLUID** - De-Ice

REMARKS - CAUTION - Parl grass strip (2460'X98') ltd to glldr act and has end and strip
lgt. **NS ABTMT** - Tkof and ldg exer ltd to acft blw 4,400 lb MTOW btn 0600-2100Z++
Mon-Fri; 0800-1600Z++ Sat, Sun and hol. IFR dep climb to 1500' before turn. APU use in
parking ltd to start-up or heat and rstd to 15 min before taxi. When cond permit, do not
use more than idle reverse particularly btn 2100-0600Z++. Test running of eng btn
2100-0600Z++ may be carried out in connection with tkof only. **CSMTS/IMG** - Avbl
0600-2000Z++. **MISC** - Ldg fees. INCR charges outside TWR hr.

COMMUNICATIONS - TWR - (V) 122.725 **REMARKS**: Opr 0445-1030Z++, 1415-2120Z++
Mon; 0445-0900Z++, 1245-1940Z++ Tue; 0445-0900Z++, 1245-2120Z++ Wed;
0445-2120Z++ Thu; 0530-1940Z++ Fri; 1400-1930Z++ Sun. OT O/R if req dur sked hr. Opr
hr may be reduced around hol by NOTAM. Freq extn of opr hr.

ILS/RADAR - ➔ **ILS** - BRG 325° LCZR TRH 111.9 GS 3°. LOM PG 325 LCZR ltd to +9°, -8° fr
cntrline

TROMSO, NO **DVORW-DME** - HA 113.800 TRO CH 85 N69°42.17' E18°59.81' 231°
2.0 NM to LANGNES. 545/(A)3°00.0'E **H-1C, L-1C**

LANGNES, NO See LANGNES

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TRONDHEIM/VAERNES, NO See VAERNES

TROSA, SW **DVORW-DME** - HA 114.300 TRS CH 90 (080/50) N58°56.28' E17°30.13'
213/(A)3°00.0'E **H-2G, L-2G**

TROYES, FR **VORW** - HA 116.000 TRO (060/50) N48°15.07' E3°57.79' 029° 4.8 NM
to BARBEREY. 859/(A)2°0.0'W **H-6G-7B, L-6F-7D**

TRUNDON, SW **NDB** - MHW 421.000 TRU N65°23.24' E21°46.22' Unk/6°57.5'E
H-1D, L-1D

TRZEBNICA, PL **VORW-DME** - HA 113.600 TRZ CH 83 N51°18.49' E17°06.86' 212°
15.1 NM to STRACHOWICE. 787/(A)1°00.0'E **1A**

TULCEA, RO **VORW-DME** - HA 114.800 TLA CH 95 N45°04.72' E28°42.57' 163° 1.0 NM
to CATALOI. 278/4°50.0'E **NDB** - HW 422.000 TLC N44°59.55' E28°44.18' 347° 4.3 NM
to CATALOI. 52/4°49.4'E
TLA VOR/DME unuse 280°-060° byd 29 NM
H-4G, L-10J

TULGA, (MALATYA) TU **LTAO** MIL N38°21.22' E38°15.24' 3016 UTC+2(+3DT)
H-13A, L-15C
RWY-04 LA,55 (7471x135 ASP) LA,55 **RWY-22**
REMARKS - MISC - Apch svc provided by Erhac apch.
COMMUNICATIONS - TWR - 38.5 39.0 126.0 127.1 260.0 262.2 6691 6728

TULLN RADAR, AU **LO** MIL Opr 0700-1500Z++ Mon-Fri. 136.125 136.7 **L-6J,10E**

TULLN, AU **DVORW-DME** - HA 111.400 TUN CH 51 (025/10) N48°18.58' E15°58.85'
640/2°43.6'E **NDB** - HW 358.000 TUN N48°18.57' E15°58.87' 594/2°43.6'E
H-4E-6J, L-6J-10E

TULPE, LH See PAJUOSTIS

TUNE, NO **NDB** - MHW 381.000 RG N59°19.48' E11°00.31' 295° 7.5 NM to RYGGE.
Unk/1°20.6'E **L-2F**

TUNIS ACC/FIC, TS **DTTC MAGHREB CON** - N Sctr - **(V)** 132.55 S Sctr - **(V)** (129.3
O/S UFN) **MAGHREB CON - (R)** 119.5 **MAGHREB INFO - (V)** (128.9 O/S UFN)
MAGHREB RDO - AFI (3411.5 O/S UFN) (5519 Opr 1800-0600Z) 8826 EUM - (4689 Opr
0600-1800Z) **H-9D-10E, L-11D-12E-14E-F**

TUNIS, TS **VORW-DME** - HA 116.500 TUC CH 112 N36°51.09' E10°13.82' At CARTHAGE.
53/(A)0°00.0'E **NDB** - HW 385.500 KDN N36°49.49' E10°18.58' 291° 4.3 NM
to CARTHAGE. Unk/1°13.6'E **NDB/LOM** - HW 325.000 TS N36°56.39' E10°15.07' 191°
5.4 NM to CARTHAGE. 19/1°13.2'E **H-15B, L-14F**

TURAIK, SA **OETR** CIV N31°41.56' E38°43.87' 2803 UTC+3 **H-13B, L-16G**
RWY-10 L6,50 (9843x148 ASP PCN 59 F/A/W/T) L6,14,50 **RWY-28**
SERVICE - FUEL - (NC-A1)
REMARKS - Opr HS.
COMMUNICATIONS - CTAF - 122.8 **SAUDIA RDO** - 131.5
NAVAIDS - TURAIK VORW-DME - HA 116.100 TRF CH 108 N31°41.60' E38°44.08' At Fld.
2808/(A)2°00.0'E

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TURANY, EZ **LKTB** CIV N49°09.08' E16°41.67' 778 UTC+1(+2DT) **H-4E-6J, L-22E**
RWY-10 L6,20,50 (8694x197 CON PCN 48 R/A/X/T) L2,5,6,9,11,50 **RWY-28**
SERVICE - AOE FUEL - (NC-A1, 100LL)
REMARKS - CSTMS/AG/IMG - CSTMS, IMG avbl.
COMMUNICATIONS - ATIS - 118.025 BRNO APP - (R) (V) 119.1 119.9 REMARKS: (119.9 Opr HO.) **TWR - (V) 119.6 125.425** REMARKS: (125.425 Opr HO.)
NAVAIDS - BRNO VORW-DME - HA 113.900 BNO CH 86 (080/25) N49°09.00' E16°41.55'
At Fld. 800/(A)1°00.0'E **BRNO NDB/LOM - HHW 368.000 BNO N49°08.69' E16°46.11'**
275° 2.9 NM to Fld. Unk/2°57.6'E
ILS/RADAR - ➔ ILS - BRG 275° LCZR BO 111.5 GS 3° LMM B 429

TURBAT INTL, PK **OPTU** CIV N25°59.18' E63°01.81' 498 UTC+5 **L-18H**
RWY-08 L7 (6000x100 ASP PCN 13 F/A/Y/T) L7,12,50 **RWY-26**
SERVICE - FUEL - PN rqr (NC-J)
REMARKS - Opr 0310-0432Z++ , 1040-1205Z++ Mon; 0830-0955Z++ Tue; 0455-0620Z++ , 0940-1205Z++ Wed; 0455-0620Z++ , 0940-1205Z++Thu; 0940-1105Z++ Fri; 1020-1145Z++ Sat; 0455-0620Z++ , 0940-1105Z++ Sun. OT 24 hr PN til 26 Mar 06.
COMMUNICATIONS - TWR - 118.7 240.1 GND - 121.8
NAVAIDS - TURBAT NDB - HW 237.000 TU N25°59.40' E63°01.79' At Fld. 533/0°54.6'E
Opr HS

TURKU, FI **EFTU** CIV N60°30.85' E22°15.77' 161 UTC+2(+3DT) **H-2H, L-1D**
RWY-08 L5,38,50 (8202x197 ASP PCN 90 F/A/W/T) L5,33,50 **RWY-26**
SERVICE - AOE FUEL - Avbl 0400-1900Z++ Mon-Fri, 0400-1600Z++ Sat, 0600-1900Z++ Sun, OT 1 hr PN, C02-271 4960. (NC-100LL, A1) FLUID - De-Icing avbl.
REMARKS - Opr HO.
COMMUNICATIONS - ATIS - Opr H24. 130.05 TWR - Opr H24. (V) 118.3 119.7
NAVAIDS - RUSKO DVORW-DME - HA 115.500 RUS CH 102 N60°30.91' E22°15.39' At Fld. 187/(A)4°00.0'E LIETO NDB/LOM - MHW 361.000 LIE N60°31.26' E22°25.12' 265° 4.6 NM to Fld. Unk/6°11.7'E VHF/DF
ILS/RADAR - ➔ ILS - BRG 260° LCZR TU 109.5 GS 3° LOM LIE 361

TURNBERRY, UK **VORW-DME - HA 117.500 TRN CH 122 (060/50) N55°18.80'**
W4°47.03' 600/(A)5°00.0'W (200/50 in sctr 275°-005°). Acft in sctr 175°-185° may exp brg errors in excess of 4°. **H-2E-3D-5A, L-3C**

TURTMANN, (LEUX) SZ **LS--/LS01** N46°18.23' E7°42.86' 2060 UTC+1(+2DT)
H-7C, L-9B
RWY-08 L7,12,50 (6560x130 ASP) L7,12,50 **RWY-26**
6420→ ←6396
←J-BAR UNK (100' OVRN) →HOOK UNK (1246')
HOOK UNK (1256') ←J-BAR UNK (98' OVRN) →
REMARKS - RSTD - Clsd UFN.
COMMUNICATIONS - ARR/DEP - (R) 138.275 140.125 143.775 249.8 368.45 340.075
TWR - 120.425 338.85 INFO - 138.05 268.625

TURWESTON, UK **EGBT** CIV N52°02.45' W1°05.73' 448 UTC 0(+1DT) **L-4G**
RWY-09 (3002x60 ASP) **RWY-27**
2723→ ←2904
SERVICE - FUEL - (NC 100LL)
REMARKS - Opr 0800-1700Z++ or SS Mon-Fri, 0900-1800Z++ or SS Sat, 1000-1800Z++ or SS Sun and hol. PPR. ATZ not active on Mon. CAUTION - Gldr winch ops S of grass twy.
COMMUNICATIONS - RDO - 122.175

TUTOW, (DEMMIN) GM **EDUW** CIV N53°55.32' E13°13.13' 23 UTC+1(+2DT) **L-2F, H-5D**
RWY-17 (7218x197 CON) **RWY-35**
RWY-17L (1640x98 GRS) **RWY-35R**

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REMARKS - Opr 0900-1400Z (0700-1600Z DT) O/T PPR.

COMMUNICATIONS - BERLIN INFO - 132.65 251.375 North **INFO** - 130.125 15 NM
3000 ft. GND.

TUZKOY, TU **VORW-DME** - HA 115.300 TZK CH 100 N38°46.05' E34°32.45'
At KAPADOKYA. 3100/4°30.5'E **NDB** - MHW 371.000 TZK N38°46.05' E34°32.45'
At KAPADOKYA. 3100/4°30.5'E **H-13A, L-15B**

TUZLA, BK **LQTZ** MIL/CIV N44°27.52' E18°43.49' (34TCQ1899725335) 784 UTC+1(+2DT)
H-4F, L-10F-12G

(B) **RWY-09** L25,34,43 (8152x148 ASP PCN 56 R/C/W/T) **L5 RWY-27**

SERVICE - JASU - 1(AM32A-60) 2(AM32A-86) 1(MC-1A) 3(MC-2A) **FUEL** - J8 (Ltd quantities avbl) (For R/W acft PPR, 24 hr PN rqr. Ctc A2C2 DSN 762-2050, IPN 146-7064. VSAT 7037 or MSE 553-2050). **FLUID** - De-icing avbl.

REMARKS - Tuzla AB Opr 0600-2100Z++. **RSTD** - OFFL BUS ONLY. PPR req for all civ and mil acft, ctc AMOPS C+00-387-35-302-000 ext (DSN 762-2118/8005), fax 8048 at least 72 hr prior to sked PPR/Slot time. E-mail Annex E to 401bops@email-tc3.5sigcmd.army.mil. Civ acft must also ctc TUZLA INTL - C+387-35-814-605, fax C+387-35-745-750, cell fone: C+387-61-858-914. E-mail opcentar@bih.net.ba. Aircrews must be certified on latest versions of SPINS www.cao5.nato.int before arr in Balkans. **CAUTION** - Simple ALS is non-standard, system is only 953ft long. Dist remaining mrk are unlit. No obst lgts on numerous undetermined obstacles, 2NM SW of arpt. Twy F btn Twy A and R/W parking pad 31 is designated as Towway F and is limited to R/W acft towing OPS. Twy B limited to R/W acft. All acft with EXPL cargo must coord with ATOC (DSN: 762-8047) min 48 hrs prior to arrival. Helo pads 1-3, 32-34 clsd. Helo pad 19 for VIP R/W acft only. **TFC PAT** - Conduct VFR ops S or rwy. Copter 1300 MSL, rectangular 1800 MSL, overhead 2300 MSL. VFR apch to Rwy 27/dep Rwy 09 auth at ATC discretion. **MISC** - All F/W acft must ctc Kingfish Tango (142.525 or 234.100) 30 min prior to ldg. Acft are slotted in 30 min intervals due to ltd prk and procedural (non-radar) ATC svc. Aircrews must coord with AMOPS if arrival tme differs from slot time by 30 min. ATC Opr H24 for R/W acft. AMOPS/Trans Alert Opr 0600-1800Z++. Fuel quantities ltd. No classified storage avbl.

COMMUNICATIONS - ATIS - 140.325 375.525 **APP/DEP** - Opr 0600-2100Z++. 125.8 277.9 **TWR** - 130.85 379.5 (130.85 is prim for copter ops) **GND/CLNC DEL** - 143.425 234.65 **PMSV METRO** - 258.925 **AFLD OPS** - (Kingfish Tango) 142.525 234.1

NAVAIDS - TUZLA TACAN - T TUZ CH 34 N44°27.43' E18°43.77' At Fld. 785/(A)2°00.0'E MP 0700-0900Z++ Tue, Thu. **TUZLA NDB** - HW 445.000 TU N44°28.64' E18°28.98' 093° 10.4 NM to Fld. Unk/3°01.0'E MP 1300-1400Z++ Tue, Thu. TU NDB restricted to approaches and Jezero 1 and Jezero 2 departures only.
TUZ TACAN unuse 324°-166° byd 10 NM blw 6000'
166°-235° byd 25 NM blw 12,000'

ILS/RADAR - ILS - MP 0700-0900Z++ Mon, Wed, Fri.

TWENTHE, NL **EHTW** MIL N52°16.20' E6°52.45' 114 UTC+1(+2DT) **H-5C-6H, L-5B**
RWY-06 L5,41 (9801x148 ASP) **L5,24,50 RWY-24**
8866→ ←8829
BAK-14 44B-4H(B) (1125') BAK-14 44B-4H(B) (4027')
RWY-11L7 (6558x82 ASP) **L7 RWY-29**
5766→ ←6161

SERVICE - JASU - 1(DSA 150) 1(JAS) 1(ST-56) **FUEL** - J8 **FLUID** - De-Ice LHOX LOX **OIL** - O-133-147-148-149-155

REMARKS - CLSD, except incidental MIL TFC. PPR H24. **RSTD** - 24 hr PPR. Rpt LDA Rwy 11/29 is 5401'. **CSTMS/IMG** - CSTMS avbl - 30 min PN.

COMMUNICATIONS - APP - Outside HO contact Duch Mil Info 132.350 (R) (E) 118.575 379.75 122.1 **DIRECTOR - (R) (E)** 118.575 122.1 258.725 **TWR - (E)** 119.95 369.35 122.1 257.8 **GND - (E)** 314.125 **FINAL - (R) (E)** 122.45 123.3 281.125 345.025

NAVAIDS - TWENTHE TACAN - T TWN CH 44 (100/25) N52°16.47' E6°53.49' At Fld. 114/0°07.1'E **TWENTHE NDB** - MHW 335.500 TWN N52°16.08' E6°52.57' At Fld. 98/0°06.8'E

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

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TWENTY NINE CHARLIE, LY **NDB** - MHW 317.000 STF N29°44.00' E17°57.00'
Unk/1°57.3'E **L-14G**

TYMPAKI, GR **LG--/LG54** MIL N35°03.82' E24°46.05' 7 UTC+2(+3DT) **H-10G, L-14H**
RWY-09 (8900x160 ASP) **RWY-27**
SERVICE - JASU - 1(ST-22/28) **FUEL** - (NC-100LL, 115, J4)
REMARKS - Opr HX.
COMMUNICATIONS - TWR - Opr by NOTAM. (U) 122.1 257.8
NAVAIDS - TIMBAKION TACAN - L TIM CH 35 (040/25) N35°03.73' E24°46.03' At Fld.
7/3°09.7'E

TYRIFJORD, NO **NDB** - HHW 352.000 TRF N59°55.75' E10°16.16' Unk/1°00.8'E
H-2G, L-2E

U. MICHAELI, IS See HAIFA

UAE ACC/UACC, AE **OMAE** (CIV) **U.A.E. CENTER/RADAR** - (E)119.3 120.9 124.85
128.25 **APP CON/RADAR** - (E)124.4 128.1 290.8 119.2x 121.75x 270.0x **KOPTER CTL** -
Sat-Wed 0300-0430Z and 0530-0700Z 127.5 125.1 **H-13D-14G, L-18F-G-20H**

UBARI, LY **NDB** - HW 291.000 UBR N26°35.95' E12°46.83' Unk/1°01.7'E **H-12E, L-19D**

UBAYDAH BIN AL JARRAH, (AL KUT) IZ **ORUB A** N32°28.92' E45°45.43'
(38SNA7113794115) 68 UTC+3(+4DT) **H-13B, L-16H, 17A, 18E**
RWY-11L (10174x148 CON PCN 36 R/B/W/T) **RWY-29R**
RWY-11R (11666x148 ASP PCN 56 R/C/W/T) **RWY-29L**
←10466

COMMUNICATIONS - BLAIR TWR - 135.5 244.05

UDAIRI AAF, (CAMP BUEHRING) KU **OKDI A** N29°41.86' E47°26.16'
(38RQT3569087763) 430 UTC+3 **H-13C, L-18E**
RWY-18 L5,9 (5215x80 ASP) **L2,5,9,14 RWY-36**
4741→ ←4753

SERVICE - FUEL - J8 avbl. Cold reful avbl H24. Hot reful avbl at S FARP fr 0600-1800Z on
pads 2 thru 6. CH-46/47/53 on pads 2,4 and 6.

REMARKS - RSTD - 24 hr PPR, ctc Base OPS DSN (318) 828-1314 C (965) 720-5437. NIPR:
UAAF.BASOP@tb12.arfor.army.mil. SIPR: UBASOP@tb12.afor.army.smil.mil. Clsd flt plans
with base OPS. C3-5 and C3-6 are VIP pads. Armed acft prk lctd on F row, E of rwy, NE
corner of afld. Armed acft coord with base OPS prior to arr. Ltd tie downs and mooring
chains avbl fr base OPS. F/W acft not allowed ldg at UAAF. **CAUTION** - Excessive
compass error on conc pads. UAV ops use G twy by NOTAM. **TFC PAT** - R/W use E tfc std
rgt pat RWY 36. UAV use W tfc std left pat RWY 36 to G twy. **MISC** - Wx fcst info avbl
H24, DSN (318) 828-1317 C (965) 720-6960. **RWY** - Rwy mrk with ovrn chevrons that are
used as displ thld. Use UDAIRI RDO for flt flw in KU and S IZ.

COMMUNICATIONS - RDO - 137.775 140.375 251.3 280.625 **MOHALAB APP** - 128.3
302.0 **TWR** - 130.0 140.35 321.5 **GND** - 145.25 250.7 **METRO** - 74.1 **OPS** - 44.125

NAVAIDS - UDAIRI NDB - MHW 260.000 UDI N29°41.20' E47°26.03' At Fld.
428/3°03.6'E

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA. Mil R/W VFR tng and
emerg IMC recovery only. Civ use NA. Opr 0300-2100Z. OT coord with twr or Udairi rdo for
emerg IMC recovery. 315.5 388.375 135.0 116.2.

UDBINA, HR **LDZU** MIL/CIV N44°33.46' E15°46.46' 2462 UTC+1(+2DT) **H-4E, L-10E-12F**
RWY-13 (9022x98 CON PCN 39 F/A/Y/U) **RWY-31**

SERVICE - FUEL - (NC-A1)

REMARKS - Opr VFR days. **RSTD** - Ltd to acft up to 27 tons, len 91', wing 118'.

COMMUNICATIONS - APP - 118.2 **TWR** - 118.2

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NAVAIDS - UDBINA NDB - HW 450.000 UNA N44°31.55' E15°46.37' 000° 1.9 NM to Fld.
Unk/2°30.0'E

UDHAILIYAH, SA **OEUD** PVT N25°09.06' E49°19.73' 759 UTC+3 **H-14G, L18F**
RWY-18 L6 (7171x98 ASP) **L6,50 RWY-36**

COMMUNICATIONS - CTAF - SR-SS 122.8 **AG** - Opr SR-SS 138.22

NAVAIDS - UDHAILIYAH NDB - MHW 390.000 UDH N25°08.70' E49°19.70' At Fld.
759/2°10.9'E Opr SR-SS.

ULA, NO **NDB** - HW 380.000 ULA N57°06.63' E2°50.68' Unk/1°57.0'W **H-5B, L-3D**

ULEMISTE, EN See TALLINN

ULENURME, EN See TARTU

ULVINGEN, NO **NDB** - HHW 360.000 ULV N65°38.04' E12°09.17' 21/1°56.8'E
H-1C, L-1C

UMEA, SW **ESNU** CIV N63°47.51' E20°16.97' 24 UTC+1(+2DT) **H-1C, L-1D**
RWY-14 L5,33,50 (7551x148 ASP PCN 70 F/B/X/T) **L5,36,50 RWY-32**
←7355

SERVICE - LGT - PAPI Rwy 14 MEHT 61', Rwy 32 MEHT 55'. **FUEL** - Avbl H24. (NC-100LL, A1)

REMARKS - Opr 0400-2300Z++ Mon-Fri, 0500-1330Z++ Sat, 0800-2300Z++ Sun, OT O/R.
RSTD - No turbine acft use 2100-0600Z++. Btn 2100-0600Z++, tkof Rwy 32 and ldg Rwy 14 proh exc for flt safety. Avoid using thrust reverse. **CSTMS/IMG** - Avbl 0600-2000Z++. **MISC** - Ldg fees. Increased charges outside arpt hr. Opr hr of Twr and svc may be reduced around hol by NOTAM.

COMMUNICATIONS - TWR - (R) (V) 119.8 118.075X **REMARKS**: Opr 0000-0120Z++, 0320-2400Z++ Mon-Fri; 0000-0120Z++, 0420-2120Z++ Sat; 0520-2400Z++ Sun.OT O/R. H24 for amblance and rescue flt only.

NAVAIDS - UMEA VORW-DME - HA 114.100 UME CH 88 (150/50) N63°47.32' E20°17.11' At Fld. 33/(A)4°30.0'E **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 133° LCZR NU 109.9 GS 3.0° LOM OU 425. ➔ **ILS** - BRG 313° LCZR SNU 110.7 GS 3° LOM WU 329.

UMM AITQAH, LY See MITIGA

UPPSALA, (F 16) SW **ESCM** MIL N59°53.84' E17°35.31' 68 UTC+1(+2DT) **H-2G, L-2G**
RWY-03 L5,50 (6250x131 ASP SWL26) **L2,5,33,50 RWY-21**
←J-BAR UNK (450' OVRN) J-BAR UNK (201' OVRN) →
RWY-08 L5,9,50 (6594x131 ASP SWL13) **L5,9,50 RWY-26**
←6440
←J-BAR UNK (150' OVRN) J-BAR UNK (704' OVRN) →

SERVICE - LGT - Mil PAPI all rwy GS 2.86°.

REMARKS - Opr PPR, fone C+46 (0)18 28 10 00.

COMMUNICATIONS - STOCKHOLM TCA - (R) 134.2 **APP** - Opr 0700-1500Z++ Mon-Thu, 0700-1100Z++ Fri. **(R) (E)** 130.4 (Opr hr may be reduced around hol by NOTAM.)

TWR - Opr 0700-1500Z++ Mon-Thu, 0700-1100Z++ Fri. **(R) (E)** 119.2 (Opr hr may be reduced around hol by NOTAM.)

NAVAIDS - UPPSALA NDB - MHW 366.000 UP N59°58.83' E17°42.00' 210° 6.0 NM to Fld.
Unk/4°10.9'E **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 212° LCZR CM 109.1 GS 2.86° LCTR UP 366. ■ **RADAR** - PAR - Call Precision. 120.0.

URBE, (M MORIS) IT **LIRU** CIV N41°57.12' E12°29.93' 55 UTC+1(+2DT) **L-12E**
RWY-16 (3543x98 ASP SWL15) **RWY-34**
3182→ ←2723

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SERVICE - AOE **FUEL** - Avbl 0700Z-1900Z++. (NC-100LL, A1)

REMARKS - Opr 0630Z++-SS+30; OT 24 hr PN rqr. **CAUTION** - Exer ctn on twy and aprn due to settlement and breaking of asp junctions of the conc pavement. Multi 97' obst .3NM N Rwy 34 dep end, 113' rgt RCL. **MISC** - Special VFR Pro, see FLIP PLANNING AP/2. **RWY** - Asphalt copter ldg area NE of rwy.

COMMUNICATIONS - **TWR** - (V) 123.8 257.8 **GND** - 122.7

NAVAIDS - **URBE NDB** - HW 285.000 URB N41°56.71' E12°29.41' At Fld. Unk/1°46.2'E

VHF/DF

URB NDB BYD 8 NM
URB NDB MRA 25 NM

140°-190° unuse
000°-050° 5000'
050°-120° 7000'
120°-140° 10,000'
190°-360° 2000'

UROMIYEH, IR **OITR** CIV N37°40.08' E45°04.11' 4344 UTC+3:30 **H-13B, L-15D**
(B) **RWY-03** L7,12 (10764x148 ASP PCN 58 F/C/X/T) L7,11,50 **RWY-21**

SERVICE - **FUEL** - Avbl 0330-1530Z. (NC-A1, J4)

REMARKS - **CAUTION** - Animal and bird haz.

COMMUNICATIONS - **ATIS** - 127.25 **TWR** - (V) 118.25 121.9

NAVAIDS - **UROMIYEH VORW-DME** - HA 113.500 UMH CH 82 N37°41.23' E45°05.06' 209° 1.4 NM to Fld. 4344/(A)4°0.0'E **UROMIYEH NDB** - HHW 370.000 UMH N37°39.93' E45°03.65' At Fld. 4344/4°42.0'E UMH VOR unuse

100°-130° byd 8 NM blw FL 125
150°-180° byd 20 NM blw FL 85
345°-360° byd 30 NM blw FL 100

ILS/RADAR - **ILS-DME** - BRG 209° LCZR IUMH 108.9 CH 26 GS 3°

URSEL, BE **EBUL** MIL/CIV N51°08.65' E3°28.53' 95 UTC+1(+2DT) **H-6G, L-4H**
RWY-07 (9777x148 CON) **RWY-25**
7487→ ←7027

REMARKS - Opr 1300Z++-SS+30 Fri; 0700Z++-SS+30 Sat, Sun and hol; aft 1900Z++ to SS+30 only ldg allowed.

COMMUNICATIONS - **RDO** - 127.375

USAK, TU **LTBO** CIV N38°40.89' E29°28.30' 2897 UTC+2(+3DT) **H-15E, L-15A**
(B) **RWY-09** L55 (8385x98 CON PCN 95 R/C/W/T) L55 **RWY-27**

REMARKS - **RSTD** - CLSD UFN

COMMUNICATIONS - **MENDERES APP** - Opr H24 132.05 **TWR** - 121.425 121.7

NAVAIDS - **USAK NDB-DME** - HW 414.000 USK CH 17 N38°40.78' E29°28.81' At Fld. 2821/4°01.7'E O/S UFN

UTHAUG, NO **NDB** - MHW 366.000 UTH N63°43.37' E9°34.67' Unk/0°35.0'E
H-2G, L-1C

UTRECHT, NL See SOESTERBERG

UTTI, FI **EFUT** MIL N60°53.78' E26°56.30' 339 UTC+2(+3DT) **H-2H, L-1D**
RWY-07 L5,30 (6562x148 ASP PCN 65 F/A/W/T) L5,33 **RWY-25**
←NET UNK (77' OVRN) NET UNK (229' OVRN) →

SERVICE - **FUEL** - (NC-100LL)

REMARKS - Opr HO. **RSTD** - PPR. 24 hr PN fone C+358-5-1812 5111 or fax C+358-5-1812 5365. **CSTMS/IMG** - Avbl PPR, 48 hr PN. **MISC** - Ldg fees. Class D Airspace eff twr hrs, OT Class G.

COMMUNICATIONS - **ATIS** - Opr H24. 114.6 **TWR** - (V) 119.7 130.8

NAVAIDS - **UTTI VORW-DME** - HA 114.600 UTT CH 93 N60°53.84' E26°55.77' At Fld. 355/(A)6°54.0'E **VHF/DF**

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V BRAGADIN, IT See ISTRANA

VAASA, FI **EFVA** CIV N63°03.04' E21°45.73' 19 UTC+2(+3DT) **H-1D-2H, L-1D**
RWY-16 L5,33,50 (8727x157 ASP PCN 95 F/A/W/T) L5,38,50 **RWY-34**
←8202

SERVICE - AOE **FUEL** - Avbl 0400-1900Z++ Mon-Fri, 0400-1500Z++ Sat, 0800-1900Z++
Sun, OT 3 hr PN. (NC-100LL, A1) **FLUID** - De-Ice avbl C06-212 6186.

REMARKS - Opr HO. **MISC** - Class D Airspace eff twr hr, OT Class G.

COMMUNICATIONS - **ATIS** - Opr H24. 114.5 **TWR** - **(V)** 119.3 119.7

NAVAIDS - **VAASA DVORW-DME** - HA 114.500 VAS CH 92 N63°02.48' E21°45.89' At Fld.
36/(A)4°00.0'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 157° LCZR VA 108.5 CH 22 GS 3° LCTR SEP 357.

VAD, IC **NDB** - MHW 335.000 VA N65°06.57' W14°35.77' 025° 11.6 NM to EGILSSTADIR.
Unk/13°19.4'W Unrel in sctr 090°-190° **H-1A, L-1A**

VAERNES, (TRONDHEIM VAERNES) NO **ENVA** MIL/CIV N63°27.45' E10°56.39' 56
UTC+1(+2DT) **H-2G, L-1C**
RWY-09 *L5,40,50 (9052x148 ASP PCN 50 F/A/X/T) *L5,40,50 **RWY-27**
8222→ ←8593
RWY-13 L4 (4771x118 ASP PCN 35 F/B/Y/T) L4 **RWY-31**
4359→ ←3809

SERVICE - AOE **LGT** - Cir lgt S and E of arpt. Rwy 27 PAPI GS 3.4° is not coincidental with
ILS Rwy 27 GS 4.0°. **FUEL** - Avbl 0330-2000Z++ Mon-Fri, Sun; 0330-1700Z++ Sat; at ngt
O/R to Twr. (NC-100LL, A1, J4)

REMARKS - **RSTD** - Mil acft opr 0630-1430Z++ Mon-Fri, clsd hol. PPR Diplomatic clnc req to
COMAIRNORTH. **CAUTION** - Unlgt'd obst sur arpt. Windshear/eddies may occur on short
final to all rwy if wind SE-S abv 25 Kt. Loss of headwind may occur on short final Rwy 27 if
wind W abv 20 Kt. Obst penetrate area 1.1NM N and 5 NM S of cntrline. **MISC** - Ctc twr
119.4 for clnc and taxi. **RWY** - Rwy 09 LDA 8025', TORA 8855'. Rwy 27 LDA 7953', TORA
8412'. Backtaxi on rwy after ldg is proh.

COMMUNICATIONS - **ATIS** - Opr 0430-2130Z++ Mon-Fri, 0545-1900Z++ Sat,
0700-2130Z++ Sun. 127.55 **APP** - Opr 0600-2200Z++ Mon-Fri, 0630-2000Z++ Sat,
0800-2200Z++ Sun. **(R)** 118.6 119.15 240.5 375.225 **TWR** - **(R)** 119.4 122.1 133.75
278.925

NAVAIDS - **TRONDHEIM VORW-DME** - HA 112.500 TRM CH 72 N63°31.55' E10°53.40'
162° 4.3 NM to Fld. 1954/(A)0°00.0'E **VAERNES TACAN** - HA VAE CH 33 N63°27.31'
E10°54.03' 083° 1.1 NM to Fld. 38/(A)1°00.0'W **FLORNES NDB** - HW 380.000 FLR
N63°27.54' E11°20.44' 269° 10.8 NM to Fld. Unk/1°29.1'E **GRAKALLEN NDB** - MHW
358.000 GRK N63°25.14' E10°16.13' 082° 18.2 NM to Fld. 1820/0°56.5'E **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS-DME** - 09, 27.

VAGAR, FO **EKVG** CIV N62°03.82' W7°16.63' 280 UTC 0(+1DT) **L-1A**
RWY-13 L2,5,12,50 (4101x98 ASP PCN 28 F/A/X/U) L2,5,12,50 **RWY-31**

SERVICE - **LGT** - PAPI Rwy 13 GS 3.15° MEHT 65', PAPI Rwy 3.5° MEHT 70'. **FUEL** -
(NC-100LL, A1)

REMARKS - Opr 0900-1700Z Sat-Thu, 0900-2100Z Fri; (0800-1600Z DT) OT O/R 1hr prior to
close. **CAUTION** - Terrain clnc when using PAPI on Rwy 13 provided only when flying close
to LCZR crs. Exp turb on apch and dep fr arpt. **CSTMS/IMG** - CSTMS avbl O/R. **MISC** -
Rwy 13-31 grooved. Arpt admin fone C35 44 00.

COMMUNICATIONS - **AFIS** - **(V)** 124.85 120.2

NAVAIDS - **MYGGENES NDB/LOM** - HHW 337.000 MY N62°06.42' W7°35.27' 115° 9.1 NM
to Fld. Unk/8°12.4'W **NOLSO NDB** - HHW 404.000 NL N61°57.49' W6°36.00' 297°
20.2 NM to Fld. Unk/7°37.7'W

ILS/RADAR - **LOC-DME**

VAKAREL, BU **NDB** - HHW 490.000 WAK N42°35.00' E23°42.00' Unk/3°43.6'E
H-4G, L-12H

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VAL DE LOIRE, FR **LFOT** MIL N47°25.93' E0°43.66' 357 UTC+1(+2DT) **H-7A, L-7C**
RWY-02 L5,9,50 (7887x148 CON L3,5,9,27,50 **RWY-20**
S102 T116 ST147 TT208)

A40 UNK (68' OVRN)

A40 UNK (55' OVRN)

SERVICE - FUEL - Avbl 0700-1830Z++ Mon-Fri, OT O/R before 1400Z++ prev bus day for Sat, Sun and hol. (NC-100LL, A1). Fone C02.47.85.83.30. **FLUID** - LOX **OIL** - O-156

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1400Z++ Fri. **RSTD** - LDG and TKOF proh for Jet acft btn 1100-1300Z++ exc emerg. PPR, fone C33.02.47.51.56.15 extrn 22335. Show avpl Nr on line 18 of FPL. NORDO proh. **CSTMS/IMG** - CSTMS avbl 24 hr with 4 hr PN.

COMMUNICATIONS - TOURS APP - (R) (U) 121.0 142.45 233.275 284.025 362.3 379.25

TOURS TWR - (R) 118.3 122.1 339.0 257.8 **TOURS GND** - 122.1 **TOURS INFO** - 118.3

REMARKS: Opr 1600-1900Z++ Mon-Thu; 1400-1900Z++ Fri; 0800-1800Z++ Sat, Sun and hol. OT PPR, fone C02.47.49.37.00.

NAVAIDS - AMBOISE VORW-DME - HA 113.700 AMB CH 84 (080/50) N47°25.74' E1°03.87' 274° 13.7 NM to Fld. 361/(A)3°0.0'W (120/50 in sctr 105°-255°)

TOURS TACAN - HA TUR CH 85 (100/50) N47°25.33' E0°43.85' At Fld. 329/(A)3°0.0'W (150/50 180°-360°) **TOURS NDB** - MHV 331.000 TUR N47°33.95' E0°46.96' 196° 8.3 NM to Fld. 551/1°27.0'W (50 NM) **AMBOISE NDB** - HW 341.000 AMB N47°25.09' E1°02.46' 274° 12.8 NM to Fld. 354/1°21.0'W **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 197° LCZR TS 110.55 CH 42(Y) GS 2.5° LCTR TUR 331. ■ **RADAR** GCA Call TOURS FINAL 119.95 123.3 140.85 265.9 336.1.

VALENCIA ACC, SP **LECL** CIV **CON (R)** **VSALT** Sctr - 119.075 124.75 362.3 **VSAPP** Sctr - 119.075 124.75 362.3 **L-11B,C**

VALENCIA, SP **NDB** - HW 386.000 EBT N39°37.38' W0°28.32' Unk/1°15.0'W
EBT NDB unuse 340°-350° all alt
L-11B

VALENCIA, (MANISES AB) SP **LEVC** CIV (MIL) N39°29.36' W0°28.90' 225
UTC+1(+2DT) **H-15A-16I, L-11B**
RWY-04 L6 (5394x148 ASP PCN 54 F/C/W/T) **L6 RWY-22**
RWY-12 L4,5,33,50 (8858x148 ASP PCN 70 F/A/W/T) **L4,5,33,50 RWY-30**

SERVICE - LGT - Rwy 12 ALS non std til 26 Jul 06 est. **FUEL** - (NC 100LL, A1) **OIL** - 0-117-125-128

REMARKS - RSTD - NORDO proh. **CAUTION** - Twy M3 clsd UFN. Rwy, twy, and apn WIP til 10 May 07 est. **CSTMS/IMG** - Avbl

COMMUNICATIONS - ATIS - 121.075 **APP** - 120.1 124.75 119.075 362.3 (362.3 MIL) **TWR - (E)** 118.55 119.075 257.8 **GND** - 121.7

NAVAIDS - VALENCIA VORW-DME - HA 116.100 VLC CH 108 N39°29.14' W0°28.98' At Fld. 200/(A)2°00.0'W **VALENCIA NDB/LMM** - HW 400.000 B N39°28.78' W0°27.37' 298° 1.3 NM to Fld. Unk/1°14.4'W **VALENCIA NDB/LOM** - HW 340.000 PND N39°26.25' W0°20.79' 298° 7.0 NM to Fld. Unk/1°12.4'W **SAGUNTO NDB** - HW 356.000 SGO N39°40.45' W0°12.47' 231° 16.8 NM to Fld. Unk/1°10.6'W

ILS/RADAR - ILS-DME 30

VALJEVO, YI **VORW-DME** - HA 116.600 VAL CH 113 N44°19.43' E19°52.48' 1132/(A)2°00.0'E **NDB** - HW 390.000 VAL N44°19.27' E19°52.50' Unk/3°15.5'E **H-3E-4F, L-12G**

VALKENBURG, NL **EHVB** MIL N52°09.97' E4°25.08' 0 UTC+1(+2DT) **H-6G, L-5A**
RWY-05 L4,5,41,50 (8006x148 ASP) **L4,5,24,50 RWY-23**
RWY-16 L5 (4920x148 ASP) **L5 RWY-34**
←4593

SERVICE - AOE **JASU** - 1(JAS) 1(ST-60) **FUEL** - A1 **FLUID** - De-Ice LHOX **OIL** - 0-133-147-148

REMARKS - A/D clsd for other than home based P3 acft. **CAUTION** - Gldr and model flying act outside opr hr. Ints Schiphol tfc in CTLZ abv 2000' NE of a line 150°/330° cntr on Valkenburg. **CSTMS/IMG** - CSTMS - 48 hr PN.

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COMMUNICATIONS - ROTTERDAM APP - (R) (V) 127.025 119.7 281.05 362.3

TWR - (E) 122.1 134.15 257.8 369.725 **SCHIPHOL APP** - Opr HO, H24 avbl outside
ROTTERDAM APP opr hr. **(R) (E)** 119.05 121.2 339.475 **PBV** - Opr HO, H24 ETA calls at
least 2 hr before ARR 3128 5705 **FALCON CREST** - 260.925

DUTCH MIL INFO - 132.35 276.65

NAVAIDS - VALKENBURG TACAN - HA VBG CH 49 (100/25) N52°09.68' E4°24.85' At Fld.
1/(A)1°00.0'W

ILS/RADAR - ➔ILS-DME - BRG 053° LCZR MV 110.9 CH 46 GS 3°. ➔**ILS-DME** - BRG 233°
LCZR VV 110.9 CH 46 GS 3°.

VALLADOLID, (VILLANUBLA) SP **LEVD** MIL/CIV N41°42.37' W4°51.12' 2775

UTC+1(+2DT) **H-3A-161, L-11B**

RWY-05 L7,50 (9843x197 ASP PCN 100 F/A/W/T)

L7,50 **RWY-23**

RWY-15 (2976x197 GRE)

RWY-33

SERVICE - FUEL - Avbl civ 0800-1900Z++, mil A/D hr. (NC- 100LL, A1+, J8) **FLUID** - De-ice
avbl. **OIL** - 0-117-123-125-128-156 H515

REMARKS - Opr 0600-2130Z++. OT subj tng flts. Other flts PPR. **RSTD** - Cargo flts PPR til
31 May 06 est, fax C+34 983 415 518. **CAUTION** - REIL Rwy 23 lctd 262' before thld. PJE
by NOTAM. **CSTMS/IMG** - Avbl

COMMUNICATIONS - TWR - HJ **(E)** 122.2 139.3 139.7 257.8 (139.3 139.7 257.8 MIL)

NAVAIDS - VALLADOLID TACAN - HA TVD CH 19 N41°42.25' W4°50.99' At Fld.

2787/2°44.2'W O/S UFN. **VALLADOLID NDB/LOM** - MHW 342.000 VLD N41°47.37'
W4°44.34' 229° 7.1 NM to Fld. Unk/2°42.3'W

ILS/RADAR - ➔ILS - BRG 229° LCZR IVD 109.3 GS 2.8° LOM VLD 342

VALLEE DE SEINE, FR **LFOP** CIV N49°23.05' E1°10.49' 512 UTC+1(+2DT)

H-6F, L-7C

RWY-04 L1,4,5 (5577x148 ASP PCN 32 F/B/W/U)

L1,4,5,9,27,50 **RWY-22**

SERVICE - FUEL - Avbl 0430-2230Z++ Mon-Fri; 0430-1800Z++ Sat; 0900-2230Z++ Sun.
(NC-100LL, A1)

REMARKS - Opr 0500-2100Z++ Mon-Fri; 0500-1800Z++ Sat; 0800-2100Z++ Sun and hol. OT
PPR prior to 1700Z++ Mon-Fri; prior to 1700Z++ prev work day Sat, Sun, hol. Fone C02 35
80 80 01, fax C02 35 79 07 45. **RSTD** - PN rqr for all flights to Cinq Mars La Pile TCC,
fone C02 47 96 28 63, fax C02 47 96 34 80. PN must be sent 1 hr before dep and 1 hr
before arr. **CAUTION** - Pilot trng, gldr and prcht act. Gldr act on cable up to 2500 MSL wo
ntc. Bird haz. **CSTMS/IMG** - CSTMS avbl with 6 hr PN, fone C(0)2 35 79 41 03, fax C(0)2 35
80 48 67. **MISC** - Class E Airspace 0500-2100Z++ Mon-Fri, 0500-1800Z++ Sat,
0800-2100Z++ Sun. OT Class G.

COMMUNICATIONS - ATIS - 120.725 **ROUEN APP** - **(R)** 118.575

ROUEN TWR - 120.2

NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS-DME - BRG 223° LCZR RN 110.50 CH 42 GS 3°

VALLEY, UK **EGOV** MIL N53°14.89' W4°32.12' 37 UTC 0(+1DT) **H-3D-5A, L-3B**

(B) RWY-01 L7,50 (5377x151 ASP)

L5,41,50 **RWY-19**

←5156

←NET RAF (EOR)

NET RAF (EOR) →

RWY-08 (4200x151 ASP)

RWY-26

3497→

←3799

RWY-14 L5,24,50 (7513x151 ASP)

L5,41,50 **RWY-32**

←NET RAF (46' OVRN) HOOK RHAG(B) (1300')

HOOK RHAG(B) (1300') NET RAF (123' OVRN) →

SERVICE - AOE **LGT** - ABn, red coded VY. **A-GEAR** - Nml ops apch cable down, ovrn cable
up; apch cable avbl with 5 min ntc. **JASU** - 1(A4) 1(C1) 1(C5) 1(C6) 1(E1) 1(E3) 1(E11)

FUEL - A1+, 100LL **FLUID** - LHOX LOX **OIL** - O-125-128-135-136-149

REMARKS - Opr 0800-1800Z Mon-Thu, 0800-1700Z Fri (OT as req by No. 4 FTS). **RSTD** -
PPR. Rpt LDA Rwy 01 5156'.

COMMUNICATIONS - ATIS - 120.725 **APP** - **(R) (E)** 134.35 125.225 379.95 362.3X

TWR - **(E)** 122.1X 268.625 257.8X **GND** - 122.1X 266.8 **RADAR** - 125.225 264.7

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NAVAIDS - VALLEY TACAN - HA VYL CH 21 (060/40) N53°15.45' W4°32.65' At Fld.

101/(A)7°00.0'W MP 1500-1600Z++ Fri, 1400-1800Z++ 3rd Fri. **VHF/UHF/DF**

ILS/RADAR - ILS - Rwy 14 MP 0900-1200Z++ 2nd Tue. **RADAR** SEE TERMINAL FLIP FOR RADAR MINIMA.

VAN, (FERIT MELEN) TU **LTCI** CIV N38°28.09' E43°19.94' 5480 UTC+2(+3DT)

H-13B, L-15D

(B) **RWY-03** L6,15,50

(9022x148 ASP PCN 80 F/A/X/T)

L6 RWY-21

SERVICE - FUEL - (NC-J8)

REMARKS - Opr by NOTAM. **MISC** - NOTAMS avbl only at AOE listed in FCG.

COMMUNICATIONS - APP - (E) 118.1 122.7 257.8 337.575 **TWR - (E)** 118.1 122.7 257.8 337.575 **GND** - 121.9

NAVAIDS - VAN VORW-DME - HA 115.200 VAN CH 99 N38°27.91' E43°19.50' At Fld.

5440/(A)5°00.0'E **VAN NDB** - MHW 397.000 VAN N38°28.04' E43°20.14' At Fld.

5474/4°52.2'E

VANERSBORG, SW See TROLLHATTAN VANERSBORG

VANJA, SW **NDB** - MHW 364.000 VNA N63°49.96' E19°50.88' Unk/5°42.2'E **H-1C, L-1D**

VARAMIN, IR **NDB** - HHW 373.000 VR N35°20.56' E51°38.23' 3033/3°56.3'E

H-13C, L-17B

VARAZDIN, HR **NDB** - MHW 344.000 VAR N46°18.70' E16°22.85' Unk/2°42.8'E

H-4E, L-10E

VARDEFJELL, NO **DVOR-DME** - HA 112.250 VFL CH 59(Y) N65°52.76' E13°18.48' 201°

6.2 NM to KJAERSTAD. 2092/(A)1°00.0'E Signal fluctuations btn 8-11NM on 22° and btn

6-8NM on 282° from VFL. **H-1C, L-1C**

VARDO/SVARTNES, NO See SVARTNES

VARESE VENEGONO, IT See VENEGONO

VARHAUG, NO **NDB** - MHW 319.000 VAR N58°37.63' E5°37.69' 003° 15.0 NM to SOLA.

Unk/0°56.3'W **H-2F, L-2E**

VARKAUS, FI **EFVR** CIV N62°10.27' E27°52.12' 286 UTC+2(+3DT) **H-1D-2H, L-1D**

RWY-14 L5,33,50

(6562x148 ASP PCN 42 F/B/X/T)

L5,50 RWY-32

SERVICE - FUEL - Opr O/R fone C017-615 6920. (NC-100LL, A1) **FLUID** - De-Ice avbl thru FinAir Co C017-615 6970.

REMARKS - Opr HO. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - ATIS - Opr H24. 128.325 **AFIS** - 120.4 119.7

NAVAIDS - VHF/DF

ILS/RADAR - ➔ ILS - BRG 134° LCZR VR 109.1 GS 3° LMM J 355 LOM JR 370

VARNA ACC, BU **LBWR CON-(V)** 132.25 132.25 134.7 134.7 127.65 127.65 132.95

132.95 **H-4G, L-12H, EEA-4**

VARNA, BU **LBWN** CIV N43°13.92' E27°49.51' 230 UTC+2(+3DT) **H-4G, L-12H**

RWY-09 L4,5,33,50

(8202x180 CON PCN 60 R/B/X/T)

L4,5,33,50 RWY-27

SERVICE - AOE FUEL - (NC-A1)

COMMUNICATIONS - ATIS - 118.075 **APP - (R) (V)** 121.0 124.6 **TWR - (V)** 119.5 118.9

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NAVAIDS - VARNA DVORW-DME - HA 112.400 WRN CH 71 N43°13.88' E27°49.03' At Fld. 197/4°25.0'E **VARNA NDB/LMM** - MHW 335.000 W N43°14.07' E27°47.79' 097° 1.3 NM to Fld. Unk/4°24.8'E **VARNA NDB** - MHW 375.000 R N43°13.76' E27°51.40' 277° 1.4 NM to Fld. Unk/4°25.3'E **VARNA NDB** - MHW 526.000 WR N43°13.45' E27°54.41' 278° 3.6 NM to Fld. Unk/4°25.7'E **VARNA NDB/LOM** - MHW 397.000 WN N43°14.47' E27°44.54' 099° 3.7 NM to Fld. Unk/4°24.4'E **DEVNYA NDB** - HHW 350.000 DWN N43°15.00' E27°39.25' 094° 7.6 NM to Fld. Unk/4°23.7'E **VHF/DF**

ILS/RADAR - ILS

VASSEN, SW **DVORW-DME** - HA 115.250 VSN CH 99(Y) (100/50) N58°18.19' E15°42.59' 423/(A)2°30.0'E **H-2G, L-2F**

VASTERAS, (STOCKHOLM VASTERAS) SW **ESOW** CIV N59°35.37' E16°38.02' 21

UTC+1(+2DT) **H-2G, L-2F**

RWY-01 L5,39,50 (8468x164 ASP PCN 55 F/C/X/T) L5,36,50 **RWY-19** 7156→

SERVICE - LGT - PAPI Rwy 01 GS 3.25° MEHT 59', Rwy 19 MEHT 50'. **FUEL** - Avbl 0500-2130Z++ Mon-Fri; 0500-0930Z++ Sat; 0800-0930Z++, 1900-2130Z++ Sun. (NC-100LL, A1) **FLUID** - De-Ice

REMARKS - CSTMS/IMG - CSTMS avbl 0500-1900Z++. **MISC** - Ldg fees. INCR charges outside twr and fuel hr. OPS fone C+46(0)21 80 56 00.

COMMUNICATIONS - CON - Opr HX. (V) 125.95 **TWR** - Opr 0500-2130Z++ Mon-Fri, 0500-1600Z++ Sat, 0800-2130Z++ Sun. (V) 130.6

NAVAIDS - AROS DVORW-DME - HA 112.800 ARS CH 75 (080/50) N59°35.17' E16°39.02' At Fld. 50/(A)2°00.0'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 188° LCZR SCD 108.3 CH 20 GS 3.25° LCTR LE 333.

VATRY, FR **LFOK** CIV N48°46.56' E4°11.07' 587 UTC+1(+2DT) **H-6G, L-6F-7D**

RWY-10 L3,4,5,23,50 (12664x148 CON PCN 66 F/A/W/T) L4,5,23,50 **RWY-28** 12303→ ←12303

SERVICE - FUEL - Avbl 0700-1800Z++ Mon-Sat; PN 2hr Sun, hol. Fone C03 26 64 82 30. (NC-A1)

REMARKS - Opr 0700-1800Z++ Mon-Sat. Extn possible, PPR before 1600Z++ day prior, Fone C03 26 64 82 12. **RSTD** - NORDO, gldr and ultralgt acft proh. **CSTMS/IMG** - Avbl 0700-1700Z++ Mon-Fri. Extn possible, 24hr PN or before 1500Z++ prev open day. Fone C03 87 39 99 06. **MISC** - Class D Airspace eff 0700-1800Z++ Mon-Sat. OT Class G. **ILS** - ILS Rwy 28 unuse outside ATC hr.

COMMUNICATIONS - TWR - 119.4 **INFO** - 119.4

NAVAIDS - VATRY VORW-DME - L 111.650 CAV CH 53(Y) N48°46.86' E4°08.82' 101° 1.5 NM to Fld. 538/0°29.0'W **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 103° LCZR CVD 111.3 CH 50 GS 3° LCTR VAT 367. ➔ **ILS-DME** - BRG 283° LCZR CVL 109.55 CH 32(Y) GS 3° LCTR CVT 347.

VAXJO, SW **NDB** - MHW 349.000 JX N56°59.77' E14°45.44' 191° 4.1 NM to KRONOBERG. Unk/2°47.4'E **NDB** - MHW 329.000 VX N56°51.44' E14°41.86' 011° 4.4 NM to KRONOBERG. Unk/2°45.7'E **H-2G, L-2F**

VAXJO KRONOBERG, SW See KRONOBERG

VEDBY, SW **DVORW** - HA 116.900 VEY (060/50) N56°08.90' E13°12.99' Unk/(A)1°30.0'E **H-2G-5D, L-2F**

VEHKAA, FI **DVORW-DME** - HA 113.000 VEH CH 77 N62°58.79' E27°48.83' 338° 1.7 NM to KUOPIO. 481/(A)7°00.0'E **H-1D, L-1D**

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VEJER, SP **DVORW-DME** - HA 117.800 VJF CH 125 N36°14.83' W5°58.31' 728/(A)4°00.0'W
Distortions 134° fr 6.5NM.
VJF VOR-DME 015° byd 75NM blw 3000'
176° byd 20NM blw 5000'

H-9A, L-13C

VELIZY, FR **LFPV** MIL N48°46.46' E2°12.09' 584 UTC+1(+2DT) **H-6F, L-7D**
RWY-09 L2,4,5,11,50 (5948x148 ASP PCN 37 F/C/W/T) L2,4,5,10,50 **RWY-27**

SERVICE - AOE **LGT** - PAPI not useable. **FUEL** - A1+ **FLUID** - OXRB **OIL** - O-156

REMARKS - Opr 0700-2000Z++ Mon-Fri. OT arpt clsd wo perms of the North Air Region.
Afld clsd to all tfc, exc emerg, btn 0800 and 1100Z++ on the fst Wed of ea month for maint. **RSTD** - PPR. Rpt PPR Nr in FPL item 18. Ovft proh blw 1000' AGL. **RWY** - PCN fr Rwy 09 thld for 607' is 27 F/C/W/T.

COMMUNICATIONS - **VILLA APP/DEP** - (U) 119.425 120.8 123.3 142.45 233.675 265.9 336.1 362.3 369.6 375.65 (119.425 DEP)(120.8 ARR) **VILLA TWR** - (U) 122.1 128.95 121.875 374.775 257.8 **VILLA GND** - 121.875 **VILLA OPS** - Ctc 15 min out. 138.9

NAVAIDS - **VILLACOUBLAY NDB** - MHW 286.500 TA N48°46.29' E2°05.85' 090° 4.1 NM to Fld. Unk/1°09.3'W **VILLACOUBLAY NDB** - MHW 315.000 HOL N48°43.83' E1°49.23' 082° 15.3 NM to Fld. Unk/1°14.5'W **VHF/UHF/DF**

ILS/RADAR - **ILS-DME** 09 27 **RADAR** - SEE TERMINAL FLIP FOR PAR **RWY 09 MINIMA** ■
RADAR - ASR - Call VILLA APP - 233.675 d369.6 d375.65 - PAR - Call VILLA APP - 123.3 256.9 336.1- Opr 0700-2000Z++ Mon-Fri, OT PPR before 1400Z++ of last working day.

VENEGONO, (VARESE VENEGONO) IT **LILN** MIL N45°44.53' E8°53.29' 1050 UTC+1(+2DT) **L-9B**

RWY-18 (4659x131 ASP SWL15) **RWY-36**
4389→ ←4389
←NET UNK (78' OVRN) UNK(B) (862') NET UNK(B) (897') UNK (98' OVRN) →

SERVICE - **FUEL** - 100LL, J8

REMARKS - Opr 0800-1200Z++, 1300-1600Z++ Mon-Fri; 0800-1600Z++ Sat and hol.
RSTD - PPR.

COMMUNICATIONS - **AFIS** - 128.55 297.8

VENEZIA TESSERA, (MARCO POLO INTL) IT **LIPZ** CIV N45°30.32' E12°21.12' 7 UTC+1(+2DT) **H-7D, L-9C**

(B) **RWY-04L** L7,9,12,50 (9121x148 ASP) L7,9,12,50 **RWY-22R**
8813→
RWY-04R L2,3,4,5,9,10,50 (10827x148 ASP L1011) L4,5,9,12,50 **RWY-22L**

SERVICE - AOE **LGT** - PAPI Rwy 04R, 22L MEHT 62', Rwy 04L, 22R MEHT 63'. **FUEL** - A1 (Eni SPA avbl 0500-1100Z++Mon-Fri, OT 2 hr PN, \$100 ea occurrence, C39 04 154 15038).

REMARKS - **RSTD** - PPR, C+39 041-2606111. Proh to non-VHF eqpt acft. Rwy 04L/22R normally used as main twy. If used as Rwy 04L/22R, a NOTAM at least 1 hr PN will close Rwy 04R/22L. Wide-body acft proh on twy R1. APU authorized within 60 min ETD and no later than 20 min ATA. **CAUTION** - Portion of FNA not visible fr twr. Bird haz; activate wx radar before tkof or ldg.

COMMUNICATIONS - **ATIS** - 122.225 **APP** - (R) (V) 118.9 **TWR** - (V) 120.2 257.8 **GND** - Opr 0600-2200Z++. 121.7

NAVAIDS - **TESSERA VORW-DME** - HA 115.300 TES CH 100 (040/25) N45°31.15' E12°22.09' 218° 1.1 NM to Fld. 6/1°48.8'E **VENEZIA NDB/LOM** - MHW 379.000 VEN N45°26.94' E12°16.62' 041° 4.6 NM to Fld. Unk/1°47.5'E **VHF/DF**
TES VOR-DME MRA 25 NM 000°-300° 1500'
300°-360° 2500'

ILS/RADAR - **ILS**

VENTSPILS INTL, LG **EVVA** CIV N57°21.47' E21°32.65' 19 UTC+2(+3DT)
H-2H, L-2G

RWY-03L7 (4259x105 PEM) L7,20 **RWY-21**

SERVICE - **FUEL** - (NC-100LL, A-1)

REMARKS - **RSTD** - PPR 24 hr. PN rqr. Ctc afld admin fone/fax C371 3624 262, fax C371 3607 204. **CSTMS/IMG** - Avbl O/R.

B-458 AIRPORT/FACILITY DIRECTORY

COMMUNICATIONS - AFIS - Fone/fax C371 3624 262, fax C371 3607 204. 123.9
NAVAIDS - VENTSPILS VORW-DME - HA 113.600 VNT CH 83 N57°22.02' E21°33.37'
At Fld. Unk/5°16.0'E

VERONA BOSCOMANTICO, (BOSCOMANTICO) IT **LIPN** CIV

N45°28.32' E10°55.68' 286 UTC+1(+2DT) **L-9C**

RWY-08 (3327x72 ASP SWL2)

RWY-26

REMARKS - Opr 0800-1130Z++, 1330Z++-SS+30 or 1900Z++ whichever earlier Tue-Sun.

CAUTION - Gldr act to 2500'. Multi cranes on afld to 119' AGL.

COMMUNICATIONS - RDO - 125.25

VESILAHTI, FI **NDB** - MHW 365.000 VS N61°22.62' E23°26.76' Unk/6°48.4'E **L-1D**

VESTA, DA **VORW-DME** - HA 116.600 VES CH 113 (100/50) N55°36.19' E8°18.00'

63/(A)0°00.0'E (160/50 345°-060° (DME max 100 NM); 200/50 225°-345°) **H-2G-5C, L-2E**

VESTMANNAEYJAR, IC **BIVM** CIV N63°25.46' W20°16.73' 326 UTC 0 **L-1A**

RWY-04 L5,50 (3806x148 BIT)

L5,50 RWY-22

RWY-13 L5,9,A,50 (3953x148 BIT)

L5,50 RWY-31

SERVICE - LGT - PAPI Rwy 31 GS 3.5°. Hills 1 NM fr thld Rwy 22 (929' AMSL) reach abv GS of PAPI. PAPI Rwy 22 useable only within 1 NM. Cliffs in hill south of thld Rwy 31 are floodlit and red obst lgt show hillside. **FUEL** - (NC-100LL, A1) **FLUID** - De-Ice O/R.

REMARKS - Opr 0700-2300Z. **MISC** - Rwy's are double sfc dressing, 328' ASP avbl both ends of Rwy 13-31.

COMMUNICATIONS - REYKJAVIK ACC - 119.7 **TWR - (V)** 118.5

REYKJAVIK DEP - 119.0

NAVAIDS - HELGAFELL DME - T HL CH 44 N63°25.22' W20°16.33' At Fld. 587/15°48.6'W

HELGAFELL NDB - MHW 345.000 HL N63°25.45' W20°16.92' At Fld. Unk/15°49.0'W

VESTMANNAEYJAR NDB - HHW 375.000 VM N63°23.98' W20°17.30' 027° 1.5 NM to Fld. Unk/15°48.5'W

VIAS, FR **LFMU** CIV N43°19.41' E3°21.23' 56 UTC+1(+2DT) **H-7B-15A, L-11C**

RWY-10 L1,5,9 (5971x98 ASP S74 T92 ST117 TT180)

L1,5,9,50 RWY-28

5521→

SERVICE - LGT - PAPI Rwy 28 GS 3.4° MEHT 45. **FUEL** - 0530-1200Z++, 1400-2230Z++ Mon-Fri; 0630-1800Z++ Sat; 0900-2230Z++ Sun. (NC-100LL, A1)

REMARKS - Opr 0530-2230Z Mon-Fri, 0700-1730Z Sat, 1330-2230Z Sun (0500-2130Z Mon-Fri, 0600-1800Z Sat, 0900-2130Z Sun sum); OT PPR before 1500Z++ prior workday.

RSTD - NORDO proh. **CSTMS/AG/IMG** - Avbl O/R SR-SS, 24 hr PN rqr.

COMMUNICATIONS - BEZIERS ATIS - 127.525 **MONTPELLIER APP** - Opr 0600-2230Z++ Mon-Fri. (R) 130.85 133.775 **BEZIERS TWR** - 120.175 123.0 (120.175 rng ltd) (123.0 O/S til

31 May 05)

NAVAIDS - VHF/DF

ILS/RADAR - → **ILS-DME** - BRG 098° LCZR ZR 109.35 CH 30(Y) GS 3° LCTR ZR 397

VICENZA, (T DAL MOLIN) IT **LIPT** MIL/CIV N45°34.40' E11°31.77' 128 UTC+1(+2DT)

L-9C

(B) **RWY-18** L7,33,50

(4921x98 ASP)

L7,9,33,50 RWY-36

4731→

SERVICE - LGT - PAPI Rwy 18 GS 3.5° MEHT 38', Rwy 36 GS 3.67° MEHT 40'. Apch lgt nonstd reduced Calvert. **JASU** - 1(U-1000) **FUEL** - J8 Mon-Thu 0700-1530Z++, Fri

0700-1100Z++. (NC-A1) (Mon-Sun 0700Z++-SS, (0600-1800Z DT)). **OIL** - O-117 **TRAN**

ALERT - Opr 0700Z++-SS

AIRPORT/FACILITY DIRECTORY B-459

REMARKS - Opr 0700Z-SS+30 (0600-1800Z sum) (Mil opr 0700Z-1530Z++ Mon-Thu; 0700-1100Z++ Fri. Clsd 8 Sep) **RSTD** - IFR proh, see ENAME trml Vol-6 for details. Prk avbl to one C130 acft. 24 hr PPR, fax DAL MOLIN Base OPS C+39-0444-931226, fone C+39-0444-931256 with fuel req dur nml hr. **CAUTION** - Tkof and ldg with ctn due to herons on head Rwy 18 and trees max 65' hi 1640' before thld Rwy 36 98' lt side RCL extn. Twr 86' AGL 984' byd thld Rwy 36, 722' left RCL. Multi obst on/around arpt. **TFC PAT** - F/W 1500', R/W 1000'. **MISC** - Svc chg for civ ramp.

COMMUNICATIONS - TREVISO APP - (R) (E) 120.4 122.1 121.15X 337.95 275.5 362.3
TWR - (E) 130.4 122.1 257.8 389.25 **GRIT OPS AFA** - 55.1 139.6 337.775

NAVAIDS - VICENZA TVORW-DME - HA 113.400 VIC CH 81 (080/50) N45°38.24' E11°40.58' 237° 7.3 NM to Fld. 206/1°39.4'E MP 1000-1100Z++ 1st Mon.

VICENZA NDB - MHW 417.000 VIC N45°38.21' E11°40.48' 238° 7.2 NM to Fld. 230/1°39.4'E MP 1000-1100Z++ 1st Tue.

VIC VOR-DME MRA

000°-040° wi 20 NM 9500'

040°-190° wi 20 NM 4000'

190°-240° wi 20 NM 5000'

240°-360° wi 20 NM 8500'

030°-060° at 40 NM 10,000'

060°-230° at 40 NM 5000'

230°-270° at 40 NM 7000'

270°-320° at 40 NM 10,000'

320°-030° at 40 NM 16,000'

060°-250° 2500'

250°-320° 12,000'

320°-060° 17,000'

VIC NDB MRA 50 NM

VIDRASAU, (TRANSILVANIA TARGU MURES) RO **LRTM** CIV N46°28.06' E24°24.75' 963
UTC+2(+3DT) **H-4F, L-101**

RWY-07 L7,33

(6562x98 CON SWL 37)

L7 RWY-25

SERVICE - FUEL - (NC-J)

REMARKS - Opr 0500-1700Z++. **CSTMS/AG/IMG** - avbl.

COMMUNICATIONS - TARGU MURES APP - 121.9 **TARGU MURES TWR** - 125.9

NAVAIDS - TARGU MURES NDB/LOM - HHW 428.000 TGM N46°26.81' E24°18.39' 070°
4.6 NM to Fld. 942/4°17.2'E

ILS/RADAR - ➔ **ILS** - BRG 071° LCZR ITM 109.5 GS 3.2°

VIDSEL, SW **ESPE** MIL N65°52.52' E20°09.00' 597 UTC+1(+2DT) **H-1C, L-1D**
RWY-11 L5,50 (7316x115 ASP) L2,5,33,50 **RWY-29**
NET UNK (520' OVRN) ➔

REMARKS - **RSTD** - PPR fone C46 (0)929 370 00.

COMMUNICATIONS - TCA - Opr dur Twr hr **(R) (E)** 124.15 119.2 **TWR** - Opr 0630-1100Z++, 1145-1500Z++ Mon-Thu, 0630-1100Z++ Fri. **(R) (E)** 130.4 124.15 (Opr hr may be reduced around hol by NOTAM.)

NAVAIDS - VHF/DF

ILS/RADAR - ■ **RADAR** - PAR - Call Precision 120.0 Opr HX for SW mil use only.

VIENNA, AU See SCHWECHAT

VIENNE, FR **TVORW** - L 108.200 VNE (040/25) N45°33.39' E4°53.01' Unk/0°03.4'W
L-8H

B-460 AIRPORT/FACILITY DIRECTORY

VIESTE, IT **VORW-DME** - HA 112.600 VIE CH 73 (080/50) N41°54.77' E16°02.94'
1010/(A)1°00.0'E **NDB** - MHW 405.000 VIE N41°54.80' E16°03.07' Unk/2°25.6'E
VIE VOR-DME MRA 360°-140° 40 NM 4000'
140°-170° 40 NM 7000'
170°-230° 12,000' byd 20 NM within 40 NM
230°-270° 7000' byd 20 NM within 40 NM
270°-360° 40 NM 4000'
170°-270° 20 NM 5000'
200°-270° 12,000'
270°-200° 6000'

VIE NDB MRA 50 NM

H-15C, L-12F

VIGO, SP **LEVX CIV** N42°13.91' W8°37.61' 855 UTC+1(+2DT) **H-3A, L-11A**
RWY-02 L4,5,9,50 (7874x148 ASP PCN 74 F/C/W/T) L2,4,5,9,14,50 **RWY-20**

SERVICE - FUEL - (NC-100LL, A1) **OIL** - 0-117-125-128

REMARKS - Opr 0530-2230Z++. **RSTD** - NORDO proh. **CSTMS/IMG** - Avbl.

COMMUNICATIONS - SANTIAGO APP - 120.2 **TWR - (E)** 118.45 123.5 **GND** - 121.7

NAVAIDS - VIGO DVORW-DME - HA 113.600 VGO CH 83 N42°19.28' W8°36.10' 196°
5.5 NM to Fld. 912/4°06.2'W **VIGO NDB** - HW 433.000 VON N42°11.16' W8°38.34' 016°
2.8 NM to Fld. Unk/4°06.1'W **VIGO NDB** - HW 345.000 VI N42°19.09' W8°36.19' 196°
5.3 NM to Fld. Unk/4°06.1'W **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 196° LCZR VIG 110.9 CH 46 GS 3°

VIGRA, (ALESUND VIGRA) NO **ENAL CIV** N62°33.62' E6°06.61' 69 UTC+1(+2DT)
H-2F, L-1B, T-2H
RWY-07 L2,5,7,23,50 (7592x148 ASP PCN 40 F/C/X/U) L2,5,7,38,50 **RWY-25**
7102→ ←6837

SERVICE - LGT - PAPI Rwy 07 use ltd to 3 NM fr thld, apv area cntr 3° N of extn RCL. Cir guidance lgt to Rwy 07 fr N. PAPI Rwy 25 apv area cntr 3° N of extn RCL, GS 3.0° not coincidental w/ ILS GS 3.1°. **FUEL** - Avbl 0530-2100Z++ Mon-Fri, 0530-1800Z++ Sat, 0800-2100Z++ Sun (NC-100LL, A1)

REMARKS - Opr 0540-2300Z++ Mon-Fri, 0540-1945Z++ Sat, 0900-2300Z++ Sun.
CSTMS/IMG - Avbl O/R 2 hr to twr, fone C70 11 4875.

COMMUNICATIONS - ATIS - 128.65 **REMARKS**: 337.95X **TWR - (V)** 118.1 119.85 122.1X

NAVAIDS - VIGRA VORW-DME - HA 115.800 VIG CH 105 N62°33.12' E6°02.07' 079°
2.2 NM to Fld. 285/(A)3°00.0'W **VIGRA TACAN** - HA VIA CH 71 N62°33.06' E6°02.35'
076° 2.1 NM to Fld. 287/(A)3°00.0'W **VIGRA NDB** - HW 355.000 VGA N62°33.81'
E6°07.79' At Fld. Unk/1°06.3'W **VHF/DF**

ILS/RADAR - ➔ **ILS** - BRG 247° LCZR VGR 111.95 GS 3.0° LOM AL 398 LIM VGA 355. LCZR not to be used outside 10° on either side of rwy cntrline. GS not to be used outside 4° on either side of rwy cntrline. IM unuse til 31 Oct 06.

VIHTI, FI **DVORW-DME** - HA 117.000 VTI CH 117 N60°27.55' E24°14.64' 203/(A)5°00.0'E
Possible interference btn rad 125-145 fr terrain reflection. **H-2H, L-1D**

VILA REAL, PO **LPVR CIV** N41°16.46' W7°43.23' 1805 UTC 0(+1DT) **H-3A, L-11A**
(B) **RWY-02** L7,10,50 (3107x98 ASP) L10,50 **RWY-20**

SERVICE - LGT - ABn, green coded VR. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0800Z-SS (or 1800Z whichever comes first) btn 1 Nov-31 Mar; 0800Z-SS (or 2000Z whichever comes first) btn Apr-31 Oct. OT O/R with 2 hr PN. **CAUTION** - PJE 2.7NM rad of arpt, fr gnd to FL60, btn 0800Z++ and SS ev Sat, Sun and hol.

COMMUNICATIONS - RDO - Opr SR-SS Mon-Fri. O/R 24 hr PN Sat and Sun. 122.9

NAVAIDS - VILA REAL NDB - HHW 304.000 VR N41°12.92' W7°44.63' 017° 3.7 NM to Fld. Unk/3°41.2'W (25NM 000°-250°, 20NM 250°-310°, 25NM 310°-360°)

VILHELMINA, SW **ESNV CIV** N64°34.74' E16°50.01' 1140 UTC+1(+2DT) **L-1C**
RWY-10 L5,12,50 (4928x98 ASP PCN 12 F/B/X/U) L5,11,50 **RWY-28**
←4135

AIRPORT/FACILITY DIRECTORY B-461

SERVICE - LGT - PAPI Rwy 10 MEHT 21.7', PAPI Rwy 28 MEHT 49.2'. **FUEL** - Avbl O/R thru AFIS. (NC-100LL, A1)

REMARKS - CAUTION - Ocnl unctl veh on rwy.

COMMUNICATIONS - AFIS - Opr HS, OT O/R, fone C+46 (0)940 310 09. (V) 122.55X

NAVAIDS - VILHELMINA NDB/LOM - HHW 406.000 NV N64°33.61' E17°01.94' 283°
5.3 NM to Fld. Unk/4°25.5'E

ILS/RADAR - ➔ILS-DME - BRG 280° LCZR INV 109.9 CH 36 GS 3.0° LOM NV 406. DME unrel NE quad.

VILLA CISNEROS, WI See DAKHLA

VILLACH, AU VORW-DME - HA 112.900 VIW CH 76 (060/50) N46°41.78' E13°54.88' 6285/(A)1°00.0'E 80/FL500 NW to SE. Strong scallops up to 7.5 and bends on R275 causing hvy crs fluctuations blw FL250 and R298 btn 20 and 52 DME blw FL200. VOR MP 1000-1200Z (0800-1000Z sum) 3rd Wed. DME MP 1300-1500Z++ 3rd Wed.
H-4E-6J-7D, L-9D-10E

VILLACOUBLAY, FR NDB - MHW 315.000 HOL N48°43.83' E1°49.23' 082° 15.3 NM to VELIZY. Unk/1°14.5'W **NDB** - MHW 286.500 TA N48°46.29' E2°05.85' 090° 4.1 NM to VELIZY. Unk/1°09.3'W **L-7C**

VILLAFRANCA, SP TVORW-DME - T 113.150 VLA CH 78(Y) N41°20.56' E1°32.86' 2077/0°45.7'W **H-15A, L-11C**

VILLAFRANCA, (G GAETA) IT LIPX MIL/CIV N45°23.74' E10°53.31' 239 UTC+1(+2DT) **H-7D, L9C**
(B) **RWY-04** L2,3,4,5,10,50 (10064x148 ASP PCN 55 F/A/W/T) L3,4,5,12,50 **RWY-22**
9875→ ←8719
HOOK BAK-12A(B) (343') HOOK BAK-12A(B) (1188')

SERVICE - AOE **LGT** - PAPI Rwy 04 MEHT 66', PAPI Rwy 22 MEHT 57'. **A-GEAR** - BAK-12 Rwy 04/22 O/S UFN. **JASU** - 1(A3) 1(A-3AE) 1(C-21-B) 1(MC-1A) 1(MA2 FP) **FUEL** - A1 (Eni SPA avbl 0500-2300Z++ Mon-Fri, OT 2 hr PN \$100 ea occurrence, C+39 06 598 85299) 100LL J8 (Mil) (NC-A1 Opr 0500-2200Z++, OT 2 hr PN) **FLUID** - HPOX LOX **OIL** - O-113-117-123-128-133-142-148

REMARKS - Opr 0700-1530Z++ Mon-Thu, 0700-1100Z++ Fri, OT not avbl exc for KOSOVO opr. **RSTD** - PPR, 24 hr PN Base OPS-C+39 045 633 2111. Ctc with Garda APP compil. Flw-me rqr enter/exit civ ramp, for Cat E acft fr rwy to mil ramp. **CAUTION** - Portions of parl/apn Rwy 22 end not visible fr twr.

COMMUNICATIONS - **GARDA APP** - Opr H24. (R) (E) 124.45 124.25 118.55 280.475 315.75 362.3 379.95 **TWR** - Opr H24. (E) 118.65 122.1 257.8 258.925 **GND** - Opr H24. 121.75 389.1 **PADOVA INFO** - Opr 0600-1800Z++ 123.25

NAVAIDS - **VILLAFRANCA VORTACW** - HA 115.800 VIL CH 105 (060/40) N45°24.48' E10°54.37' At Fld. 239/1°28.7'E MP 0800-1000Z++2nd and 4th Wed.

VILLAFRANCA NDB/LOM - MHW 355.000 VIL N45°19.47' E10°47.16' 045° 6.1 NM to Fld.

Unk/1°27.0'E MP 0800-1100Z++ 1st and 3rd Fri. **VHF/DF**
VIL VORTAC MRA 40 NM

060°-110° 6500'
110°-140° 4000'
140°-160° 10,000'
160°-270° 4000'
270°-300° 7000'
300°-060° 16,500'
070°-280° 2000'
280°-070° 14,000'

VIL NDB MRA 25 NM

ILS/RADAR - ILS ■ **RADAR** - ASR - Call Garda APP 124.45 MP 0730-0930Z ev Tue and Thu

VILLAFRIA, SP See BURGOS

VILLANUBLA, SP See VALLADOLID

B-462 AIRPORT/FACILITY DIRECTORY

VILLANUEVA, SP **NDB** - HHW 380.000 VNV N41°12.64' E1°42.35' 074° 17.6 NM
to BARCELONA. Unk/0°42.6'W **H-15A, L-11C**

VILLAROCHE, FR **LFPM** CIV N48°36.28' E2°40.27' 302 UTC+1(+2DT) **H-6G, L-7D**
RWY-01 (4265x98 ASP PCN 11 F/D/W/T) **RWY-19**
RWY-10 L1,5 (6480x148 ASP PCN 22 R/D/W/U) L1,5,9 **RWY-28**
←6201

SERVICE - FUEL - Avbl 0730-1530Z++ Mon-Fri. (NC-100LL, A1)

REMARKS - Opr 0630-1800Z Mon, Wed, Fri; 0630-2100Z Tue and Thu exc hol; (0500-1800Z Mon-Fri exc hol sum). **RSTD** - PPR. **MISC** - Class D Airspace eff 0630-1800Z Mon, Wed, Fri; 0630-2100Z Tue, Thu; exc hol. (0500-1800Z Mon-Fri sum). OT Class G.

COMMUNICATIONS - ATIS - 128.175 **SEINE APP - (R)** 118.05 121.65 134.3
MELUN TWR - 121.1

NAVAIDS - MELUN VORW-DME - HA 113.600 MLN CH 83 (040/25) N48°27.35' E2°48.80'
330° 10.6 NM to Fld. 335/(A)2°0.0'W **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 284° LCZR MV 111.55 CH 52(Y) GS 3.0° LCTR MV 434

VILLATOBAS, SP **VORW-DME** - HA 112.700 VTB CH 74 N39°46.85' W3°27.84'
2320/(A)3°00.0'W **NDB** - MHW 403.000 TOB N39°46.99' W3°28.52' Unk/2°09.4'W
H-3A-16I, L-11B

VILLENEUVE SUR LOT, FR **LFCW** CIV N44°23.82' E0°45.53' 190 UTC+1(+2DT)
L-8F-11C
RWY-10 (3412x98 ASP S28) **RWY-28**
←2920

SERVICE - FUEL - Avbl HX or O/R. (NC-100LL)

REMARKS - Opr SR-SS.

VILMAS, FI **DVORW-DME** - HA 112.500 VIL CH 72 N61°02.34' E28°07.08'
At LAPPEENRANTA. 363/(A)7°00.0'E **H-2H, L-1D**

VILNIUS ACC, LH **EYVL** (CIV) **CON - (R) (V) Sctr W- 132.275 132.275 Sctr E- 133.3**
133.3 Kaunas **INFO-** 124.6 Opr HO blw FL95 **Palanga INFO-** 118.3 Opr HO blw FL95
Vilnius INFO- 126.0 Opr SR-SS blw FL95 **H-2H, L-2H**

VILNIUS INTL, LH **EYVI** CIV N54°38.05' E25°17.15' 646 UTC+2(+3DT) **L-2H**
RWY-02 L2,4,5,11,50 (8251x164 ASP PCN 83 F/D/X/T) L4,5,11,50 **RWY-20**

SERVICE - AOE LGT - PAPI on both sides of rwy. PAPI Rwy 02 GS 2.67°. **FUEL** - Avbl H24
(NC-100LL, A1) **FLUID** - De-Ice

REMARKS - Opr 0400-2100Z++, OT O/R fone C370 5 232 9323, fax-9122. **RSTD** - For non-sched (charter) flt A/D avbl by arng only. Ctc gnd handling svc fone C370 5 232 93 24, 33, mobile C370 612 9 01 22. **CAUTION** - Bird haz. **MISC** - Ldg fees.

COMMUNICATIONS - ATIS - Opr H24. 125.8 **APP** - Opr H24. **(R) (V)** 120.7 .
TWR - Opr H24. **(V)** 118.2

NAVAIDS - VILNIUS VORW-DME - HA 113.800 VNO CH 85 N54°38.16' E25°17.62' At Fld.
635/(A)4°57.3'E **VILNIUS NDB/LMM** - MHW 385.000 AVN N54°39.21' E25°17.94' 196°
1.2 NM to Fld. Unk/5°55.7'E Opr HO **VHF/DF**

ILS/RADAR - **ILS-DME** - 02, 20

VILSECK AAF, GM See GRAFENWOHR AAF

VILSHOFEN, GM **EDMV** CIV N48°38.11' E13°11.74' 991 UTC+1(+2DT) **L-6I**
(B) RWY-12 L5,9,50 (3734x66 ASP AUW20) L5,9,50 **RWY-30**
3084➔ ←3537

SERVICE - LGT - PAPI Rwy 12-30 GS 4°. **FUEL** - (NC-100LL, A1)

AIRPORT/FACILITY DIRECTORY B-463

REMARKS - Opr 0800Z-SS+30, OT PPR (0700-1700Z, 1700-SS+30 PPR DT). **RSTD** - Ovft town of Vilshofen proh. PPR for NORDO. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/IMG** - Avbl for non-coml and non-sked.

COMMUNICATIONS - MUNCHEN INFO - 120.65 **INFO** - 119.175 15NM 300 ft. AGL.

VIMMERBY, SW See HULTSFRED

VIRAZEIL, FR LFDM CIV N44°29.94' E0°12.03' 105 UTC+1(+2DT) **L-8F-11C**

RWY-11L7 (3937x98 ASP S14)

L7 RWY-29
←3281

SERVICE - FUEL - Avbl SR-SS exc Thu and Fri morning. (NC-100LL)

REMARKS - Opr SR-SS.

VISBY, SW ESSV CIV N57°39.77' E18°20.77' 164 UTC+1(+2DT) **H-2H, L-2G**

RWY-03L5,34,50 (6562x148 ASP PCN 44 F/B/X/T)

L5,33,50 RWY-21

→NET UNK (350' OVRN)

RWY-10 (3611x131 GR5)

RWY-28

SERVICE - LGT - PAPI Rwy 03 MEHT 55.8', Rwy 21 MEHT 61.7' **FUEL** - (NC-100LL, A1)
FLUID - De-ice.

REMARKS - Opr 0500-2100Z++ Mon-Fri, 0630-1930Z++ Sat, 0800-2100Z++ Sun. Opr hr freq extn. **RSTD** - PPR for ops outside nml hr, fone C+46 (0)498 26 31 42. School and tng flt perms rqr, obtain fr ATS. GR5 rwy avbl Jun-Aug, OT obtain FPL info fr ATS.

CSTMS/IMG - Avbl 0700-1600Z++. **MISC** - Ldg fees. Increased charges outside opr hr. Opr hr may be reduced around hol by NOTAM.

COMMUNICATIONS - CON - (V) 126.15 **TWR - (V)** 120.3

NAVAIDS - VISBY VORW-DME - HA 115.100 VSB CH 98 (080/50) N57°39.57' E18°20.81'
At Fld. 154/(A)3°00.0'E **VHF/DF**

ILS/RADAR - → ILS - BRG 197° LCZR SV 110.3 GS 3.0° LOM OV 351.

UISEU, PO LPVZ CIV N40°43.53' W7°53.34' 2060 UTC 0(+1DT) **H-3A-16H, L-11A**

(B) **RWY-01L7,50** (4015x97 ASP SWL6)

L7,50 RWY-19
←3801

SERVICE - LGT - ABn, green coded VIS. **FUEL** - (NC-100LL, A1)

REMARKS - Opr SR-SS. **RSTD** - Cat A and B acft only. **CAUTION** - Remote model acft act Sat, Sun and hol to 700' AGL.

COMMUNICATIONS - RDO - 122.3

NAVAIDS - UISEU DVORW-DME - HA 113.100 VIS CH 78 (200/50) N40°43.40' W7°53.15'
At Fld. 2109/(A)5°00.0'W
VIS VOR-DME unuse

130°-180° byd 40NM blw 9000'
180°-315° byd 40NM blw 6000'
315°-130° byd 40NM blw 8000'

VITERBO, (T FABRI) IT LIRV MIL/CIV N42°25.81' E12°03.85' 990 UTC+1(+2DT) **L-12E**

RWY-04L (3297x82 ASP PCN 20 F/C/X/T)

RWY-22R

RWY-04C (4265x164 GR5)

RWY-22C

RWY-04R (1936x112 ASP SWL19)

RWY-22L

SERVICE - OIL - O-117,125

REMARKS - Rwy 04R-22L PPR, C+39 0761 3551. **RSTD** - Rwy 04R-22L PPR.

COMMUNICATIONS - TWR - (E) 122.1 127.15 337.6 257.8

NAVAIDS - VITERBO NDB - MHW 480.000 VIB (015/45) N42°26.40' E12°03.42' At Fld.

Unk/1°41.7'E MP 0900-1100Z++ 4th Tue. **VHF/UHF/DF**
VIB NDB unuse
045°-050°
100°-110°

VITIGUDINO, SP NDB - HW 365.000 VGD N41°00.10' W6°26.68' Unk/3°13.0'W
H-3A, L-11A

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VITORIA, SP **LEVT** CIV N42°52.97' W2°43.47' 1682 UTC+1(+2DT) **H-3A-7A-161, L-11B**
RWY-04 L3,4,5,8,9,10,50 (11483x148 CON PCN 84 R/A/W/T) L4,5,8,9,13,50 **RWY-22**
SERVICE - FUEL - (NC-100LL, A1) **OIL** - 0-125
REMARKS - Opr 0545-2300Z++, H24 cargo flt. **CAUTION** - Bird haz. **CSTMS/IMG** - Avbl.
COMMUNICATIONS - TWR - Opr H24. **(E)** 118.45 257.8 **GND** - Opr H24. 121.8
NAVAIDS - VITORIA VORW-DME - HA 112.900 VFD CH 76 N42°52.84' W2°43.46' At Fld.
1696/2°07.8'W **VITORIA TVORW-DME** - HA 116.600 VRA CH 113 N42°43.91' W2°51.93'
037° 11.0 NM to Fld. 1903/(A)3°00.0'W **VHF/DF**
VFD VOR/DME 355°-005°
220°-315°
VRA VOR/DME Rad 039 O/S UFN.
ILS/RADAR - ➔ **ILS-DME** - BRG 039° LCZR VTO 108.9 CH 26 GS 3.0°

VITORLAS/SZENTIRALY, HU See SZENTKIRALYSZABADJA

VLASIM, EZ **VORW-DME** - HA 114.300 VLM CH 90 (050/25) N49°42.26' E15°04.00'
1500/(A)1°00.0'E **H-4E-6I, L-6J, T-1A**

VODOCHODY, EZ **LKVO** CIV N50°12.99' E14°23.75' 919 UTC+1(+2DT)
H-6I-8F, L-6J, T-1A
RWY-10 L6 (8203x148 ASP PCN 19 R/B/X/T) L6,12,50 **RWY-28**
SERVICE - LGT - Apch and rwy lgt O/S. **FUEL** - (NC-A1)
REMARKS - Opr 0600-1330Z++ Mon-Fri. **RSTD** - PPR fr Aero Vodochody A.S.
CSTMS/AG/IMG - 24 hr O/R dur arpt opr hr. Visas not granted.
COMMUNICATIONS - TWR - 133.075 **RADAR - (R)** 127.475
NAVAIDS - NERATOVICE VORW-DME - T 108.600 NER CH 23 (025/10) N50°21.99'
E14°37.28' 224° 12.5 NM to Fld. 1000/2°28.4'E **BREZANY NDB** - MHW 333.000 VO
N50°12.66' E14°25.71' 283° 1.3 NM to Fld. Unk/2°25.0'E
ILS/RADAR - ■ **RADAR** - SSR - Call RADAR 127.475

VOGHERA, (VOGHERA RIVANAZZANO) IT **LILH** CIV N44°57.12' E9°00.99' 423
UTC+1(+2DT) **L-9B-11D**
RWY-16 (3281x98 ASP) **RWY-34**
←2900
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr SR-SS.
COMMUNICATIONS - RDO - 123.0 128.45
NAVAIDS - VOGHERA VORW-DME - HA 115.500 VOG CH 102 (040/25) N44°57.87'
E8°58.22' 110° 2.1 NM to Fld. 388/(A)0°00.0'E MP 0930-1030Z++ 3rd Tue.
VOGHERA NDB - MHW 333.500 VOG N44°57.84' E8°58.29' 111° 2.0 NM to Fld.
Unk/1°2.0'E
VOG VOR-DME MRA 40 NM 040°-080° 5000'
080°-100° 9000'
100°-170° 11,000'
170°-230° 8000'
230°-250° 6000'
250°-040° 4000'
020°-110° 3000'
VOG NDB MRA 50 NM 110°-150° 12,000'
150°-210° 10,000'
210°-230° 9000'
230°-020° 5000'

VOGHERA RIVANAZZANO, IT See VOGHERA

VOHMA, EN **VORW-DME** - HA 114.900 VI CH 96 N58°39.35' E25°34.49' 227/(A)5°00.0'E
H-2H, L-2H

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VOISINS, FR LFPK CIV N48°50.26' E3°00.97' 470 UTC+1(+2DT) **L-7D**

RWY-09 (4593x66 PEM PCN 12 F/C/Y/U)
RWY-09L (2132x164 GRS)
RWY-09R (2165x262 GRS)

RWY-27
RWY-27R
RWY-27L
←1837

SERVICE - FUEL - Payment by cash or check. (NC-100LL)

REMARKS - Opr HX. **MISC** - VFR at ngt not auth.

NAVAIDS - COULOMMIERS VORW-DME - HA 112.900 CLM CH 76 (060/50) N48°50.68' E3°00.83' At Fld. 486/0°51.0'W

VOJENS, DA See SKRYDSTRUP

VOLKEL, NL EHVK MIL N51°39.38' E5°42.52' 72 UTC+1(+2DT) **H-6H, L-5A**

RWY-06L L5,41,53 (9922x148 ASP) L5,24,53 **RWY-24R**
9478→ ←9478
BAK-14 44B-4H(B) (1312') BAK-14 44B-4H(B) (1320')
RWY-06R L5,41,53 (9931x74 ASP) L5,41,53 **RWY-24L**
9485→ ←9485
BAK-14 44B-4H(B) (1434') BAK-14 44B-4H(B) (1437')

SERVICE - AOE **A-GEAR** - Rwy 06R AAE 44B-4H dep end unsvc. **JASU** - 1(DSA 150) 1(JAS) 1(ST-56) **FUEL** - A1+ **FLUID** - De-Ice LHOX LOX **OIL** - 0-135-148-155-156

REMARKS - Opr 0900-2145Z++ Mon-Tue, 0700-1545Z++ Wed-Fri. **RSTD** - 24 hr PPR, fone C31-0-413278001 or fax C31-0-413276558. **CSTMS/IMG** - CSTMS avbl HS, 2 hr PN.

COMMUNICATIONS - RAPCON SOUTH - Opr HO. **(R) (E)** 123.175 379.925

TWR - Outside opr hr ctc DUTCH MIL info 132.35. **(E)** 133.425 372.225 **GND** - Opr HO **(E)** 386.775

NAVAIDS - VOLKEL TACAN - HA VKL CH 20 (200/60) N51°39.33' E5°42.42' At Fld. 64/0°14.0'W

ILS/RADAR - ➔**ILS-DME** BRG 239° LCZR VLO 110.75 CH44(Y) GS 3°. ➔**ILS-DME** BRG 059° LCZR VLZ 110.75 CH44(Y) GS 3°. ■ **RADAR** - ASR/PAR - Call Director - 122.1 368.225 344.0 Call Final - 123.3 300.175 336.4 385.4.

VOLLO, NO DVORW-DME - T 114.850 VOO CH 95(Y) N60°32.94' E5°07.73' 172° 15.6 NM to FLESLAND. 1050/(A)3°00.0'W **H-2F, L-1B**

VOZICE, EZ VORW-DME - HA 116.300 VOZ CH 110 (050/25) N49°31.94' E14°52.48' 2200/(A)1°00.0'E **H-4E-6I, L-6J, T-1A**

VRANJE, YI NDB - MHW 337.000 VRN N42°33.32' E21°54.69' Unk/3°26.7'E **L-12G**

VRAZHDEBNA, BU See SOFIA

VRSAČ, YI LYVR MIL/CIV N45°08.81' E21°18.59' 276 UTC+1(+2DT) **H-4F, L-10G**

RWY-01L (2738x230 GRS) **RWY-19R**
RWY-01R L7,9,12,43 (3280x72 ASP) L7,9,12,43 **RWY-19L**
RWY-16 (1520x110 GRS) **RWY-34**

REMARKS - Opr 0700-1400Z++ Mon-Fri, O/R Sat-Sun. **RSTD** - Btn 0600-1300Z++, 4 hr PN for ovft. 12 hr PN for ovft btn 1300-1700Z++.

COMMUNICATIONS - APP - Opr 0700-1400Z++ Mon-Fri 125.05 118.6 **TWR** - Opr 0600-1700Z++ Mon-Fri, 0600-1100Z++ Sat 118.6 **INFO** - 123.5

NAVAIDS - VRSAČ NDB - MHW 294.000 VRA N45°05.26' E21°17.47' 009° 3.6 NM to Fld. Unk/3°34.9'E

VRSAŘ, HR NDB - MHW 369.000 VRS N45°12.61' E13°38.94' 236/2°05.3'E **H-4E-7D, L-9D-10E**

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WADDINGTON, UK **EGXW** MIL N53°09.97' W0°31.43' 231 UTC 0(+1DT) **H-5B, L-3C**
RWY-02 L5,24,50 (9000x200 ASP) L5,24,50 **RWY-20**
HOOK RHAG(B) (2000') HOOK RHAG(B) (2050')
SERVICE - AOE **A-GEAR** - Nml ops apch cable down, ovrn cable up. **JASU** - 1(A4) 1(E2)
1(E12)1(E15)1(E16)1(E18) **FUEL** - A1+ **FLUID** - LOX, De-Ice **OIL** - O-128-147-149-156
REMARKS - **RSTD** - PPR. **CAUTION** - Routine recoveries to Rwy 21 are rstd by act in
EGR313. Acft may be rqr to hold off for up to 30 min for an inst apch or be positioned for a
visual join. Strong W winds can produce unexp turb on final stage of apch to Rwy 21.
COMMUNICATIONS - **ATIS** - 291.675 **APP** - (R) (E) 250.85 362.3X **CAC** - Call LONDON
MIL (R) (E) 277.775 **TWR** - (E) 256.675 257.8X **GND** - 342.125 **DEP** - 123.3X 308.625
OPS - 386.625 **ZONE** - 127.35 125.35X 259.525
NAVAIDS - **WADDINGTON TACAN** - HA WAD CH 118 (040/25) N53°09.92' W0°31.61'
At Fld. 231/2°41.9'W **VHF/UHF/DF**
ILS/RADAR - **ILS RADAR** - SEE TERMINAL FLIP FOR RADAR MINIMA.

WADI AL DAWASIR, SA **OEWD** CIV N20°30.26' E45°11.97' 2062 UTC+3
H-14F, L-20G
(B) **RWY-10** L5,33,50 (10007x147 ASP PCN 53 F/A/X/T) L5,12,50 **RWY-28**
REMARKS - **RSTD** - PPR. PN 3 hr for non-sked. Fone C01-782-3131, fax C01-782-3132.
COMMUNICATIONS - **CTAF** - 122.8 **CRASH SVC** - 15 min prior ETA 133.5
NAVAIDS - **WADI AL DAWASIR VORTACW** - HA 115.200 WDR CH 99 N20°30.32'
E45°12.32' At Fld. 2049/(A)1°00.0'E
ILS/RADAR - ➔**ILS-DME** - BRG 100° LCZR I-WDR 110.5 CH 42 GS 3°

WAFRA, KU **DVORW-DME** - HA 112.000 KFR CH 57 N28°37.25' E47°57.49' 330/2°50.7'E
H-13C, L-18E

WAGRAM, AU **DVORW-DME** - HA 112.200 WGM CH 59 (060/25) N48°19.43' E16°29.46'
165° 13.2 NM to SCHWECHAT. 574/(A)1°00.0'E VOR MP 1300-1500Z++4th Wed; DME MP
0800-1000Z++4th Tue. **H-4E, L-10E**

WALDA, GM **DVORW-DME** - HA 112.800 WLD CH 75 (060/50) N48°34.77' E11°07.76'
1396/(A)1°00.0'E (60/50 135°- 045°; 80/50 045°- 135°). **H-6I, L-6H**

WALLASEY, UK **VORW-DME** - HA 114.100 WAL CH 88 (120/50) N53°23.52' W3°08.07'
55/(A)5°00.0'W **H-3D-5A, L-3C, T-2F**

WALNEY ISLAND, (BARROW) UK **EGNL** PVT N54°07.87' W3°15.82' 173
UTC 0(+1DT) **L-3C**
(B) **RWY-06** L5,50 (CLSD 3438x151 ASP) L5,50 **RWY-24**
RWY-12 (CLSD 3326x151 ASP) L5,3259
RWY-17 L5,50 (3318x151 ASP) L1,5,41,50 **RWY-35**
SERVICE - **LGT** - PAPI Rwy 6 GS 4° MEHT 19', Rwy 24 GS 3.5° MEHT 22', Rwy 17 GS 4°
MEHT 24', Rwy 35 GS 3.5° MEHT 33'. **FUEL** - (NC-A1)
REMARKS - Opr 0800-1630Z++ Mon-Thu 0800-1300Z++ Fri. **RSTD** - PPR.
COMMUNICATIONS - **INFO** - 0800-1630Z++MON-THU,0800-1300Z++FRI. 123.2
ILS/RADAR - ➔ **ILS** BRG 350° LCZR IWL 110.15 GS 3.5°.

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WARBURG, GM DVORW-DME - HA 113.700 WRB CH 84 (080/50) N51°30.34' E9°06.65'
843/(A)0°00.0'E
WRB VOR/DME unuse

0 - 10 NM blw 1900'
10 - 20 NM blw 3200'
20 - 30 NM blw 4600'
30 - 40 NM blw 6100'
40 - 50 NM blw 7800'
50 - 60 NM blw 9500'
60 - 70 NM blw 11,500'
70 - 80 NM blw 13,500'

H-6H, L-5C

WAREHOUSE 59A, LY NDB - MHW 280.000 OR N28°17.68' E19°56.20'
Unk/2°05.8'E **H-10F-12F, L-19D**

WARSZAWA ACC, PL EPWW (CIV) (R) CON - Sctr DRE - 134.225, Sctr TRZ -
134.875, Sctr LDZ - 133.475, Sctr GRU - 129.075, Sctr SUW - 127.450, Sctr SIE - 134.175,
Sctr JED - 134.175, Sctr RZE - 136.575. par pard
H-2GH-4EF-5E-6IJ-6FG, L-2FGH-5E-21ABC-22EFG

WARSZAWA, PL NDB - MHW 336.000 WAG N52°12.63' E20°48.40' 111° 6.5 NM
to OKECIE. Unk/4°16.0'E **NDB** - MHW 412.000 WAO N52°05.86' E21°01.59' 328° 4.6 NM
to OKECIE. Unk/4°18.6'E **L-21B, T-1**

WARTON, UK EGNO CIV N53°44.71' W2°52.98' 55 UTC 0(+1DT) **H-3D-5A, L-3C, T-2F**
(B) **RWY-08** L5,41,50 (7946x151 ASP) L5,23,50 **RWY-26**
7736→
BAK-13(B) (1300') BAK-13(B) (1300')
RWY-14 (CLSD 4189x98 ASP) **RWY-32**
3664→ ←3835

SERVICE - JASU - 1(E3) 1(E4) 1(E6) 1(E7) 1(E12) 1(C1) 1(C4) 1(C6) **FUEL** - (NC-A1) **FLUID** -
De-Ice (ltd)

REMARKS - Opr 0800-1700Z++ Tue-Sun. **RSTD** - PPR. Rpt LDA Rwy 08 7736; Rwy 26 7680'.
Rwy 14-32 avbl to VSTOL acft only.

COMMUNICATIONS - ATIS - 121.725 **APP - (R) (E)** 129.525 130.8 311.3 336.475
TWR - 130.8 311.3 **RDR** - 0730-2000Z++ Mon-Thu; 0730-1700Z++ Fri. 129.525

NAVAIDS - WARTON TACAN - T WTN CH 79 (100/50) N53°44.42' W2°53.57' At Fld.
54/3°45.7'W **WARTON NDB** - MHW 337.000 WTN N53°45.10' W2°51.13' 250° 1.2 NM
to Fld. Unk/3°44.8'W **VHF/UHF/DF**

ILS/RADAR - ➔ **ILS-DME** - 26 ■ **RADAR** - ASR CALL RADAR 129.725 343.7

WASHINGTON AHP, IZ ORWH A N33°18.27' E44°24.21' (38SMB4447185213)
127 UTC+3(+4DT) **H-13B, L-16H**
(499x325 CON UH60)

SERVICE - LGT - Lgt 'H' cntr W of pad. **FUEL** - PPR JP8 (critical fuel only) ctc DSN
318-239-7982/7985 or 914-822-5084.

REMARKS - Opr 0400-1800Z++ OT ctc Baghdad RDO. **RSTD** - PPR for ldg and fuel ctc
WAHP OPS DSN 302-530-9312. **CAUTION** - Ovft of hgr and copter ramp at S end of AHP
proh. 100' twr 30M E of ldg area. **RWY** - Apch/dep 33/15. 675ft x 327ft conc pad.

COMMUNICATIONS - BAGHDAD RDO - Opr H24. 127.35 352.375 **TWR** - Opr
0400-1500Z++ 125.1 330.75

WATERFORD, EI EIWF CIV N52°11.23' W7°05.22' 119 UTC 0(+1DT) **H-3C, L-3B**
(B) **RWY-03** L5,12,50 (4701x98 ASP PCN 23 F/B/Y/T) L5,41,50 **RWY-21**
4406→ ←4231

SERVICE - LGT - PAPI Rwy 21 GS 3.25°, PAPI Rwy 03/21 MEHT 26'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0630-2000Z++. **RSTD** - PPR. **CAUTION** - Exp windshear apch Rwy 21.
CSTMS/IMG - CSTMS avbl 24 hr PN.

COMMUNICATIONS - ATIS - 121.15 **TWR** - 129.85 **GND** - 121.6 **INFO** - By NOTAM
when ATC not avbl. 129.85

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NAVAIDS - WATERFORD NDB - HW 368.000 WTD N52°11.34' W7°05.00' At Fld.
Unk/5°10.4'W
ILS/RADAR - ➔ ILS-DME - BRG 206° LCZR IWD 110.9 CH 46 GS 3.2°. Full scale fly-up
indication may not be maint right of LLZ sctr and blw GP.

WATTISHAM, UK **EGUW** MIL N52°07.64' E0°57.38' 284 UTC 0(+1DT) **H-6F, L-4H**
(B) **RWY-05** L5,9,41,50 (7953x151 ASP) L5,9,24,50 **RWY-23**

SERVICE - LGT - ABn red coded WT. PAPI GS 2.5°. **FUEL** - A1+
REMARKS - Opr 0830-1830Z Mon-Fri. PPR. **RSTD** - Tfc rcv svc to S and W of afld, blw trns
alt, will opr on London QNH instead of the Chatham Rgn pressure setting. Rpt LDA Rwy 23
7946'. A/D clsd to F/W acft dur icy cond. **CAUTION** - Crowfield ATZ overlaps Wattisham
MATZ. Acft opr in the vcnty of or making an app to Wattisham should avoid Crowfield
unless cleared by ATC. Bird and deer haz. Ints copter ops at all times; glidr act 1800Z++-SS
Fri and SR-SS Sat, Sun and hol. GS unuse outside of 4° rgt of cntrline.
COMMUNICATIONS - APP - (R) (E) 123.3X 125.8 291.125 **DIRECTOR** - 123.3X
283.575X **TWR** - 122.1X 358.6 **A/G** - ANGLIA BASE/WATTISHAM RADIO 125.8
NAVAIDS - WATTISHAM TACAN - HA WTZ CH 30 (200/50) N52°07.32' E0°56.43' At Fld.
324/(A)4°00.0'W (150/50 000°-090°). **VHF/UHF/DF**
ILS/RADAR - ➔ ILS - BRG 233° LCZR WT 111.1 GS 3° MP 1000-1200Z++, GS 1st Tue, LCZR
3rd Tue. **RADAR** - PAR - Call Talkdown 123.3X 356.175X 359.825X

WEJH, SA **OEJW** CIV N26°11.91' E36°28.58' 66 UTC+3 **H-14E, L-20F**
(B) **RWY-15** L7,43 (10007x148 ASP PCN 47 F/C/W/T) L7,43 **RWY-33**

SERVICE - FUEL - (NC-A1)
REMARKS - **RSTD** - PPR, 3 hr PN.
COMMUNICATIONS - CTAF - 122.8 **CRASH SVC** - 15 min prior ETA 133.5
NAVAIDS - WEJH VORTACW - HA 113.900 WEJ CH 86 N26°10.76' E36°29.29' 329° 1.3 NM
to Fld. 118/(A)2°00.0'E
ILS/RADAR - ➔ ILS - BRG 329° LCZR IWEJ 110.7 GS 3°

WELLESBOURNE MOUNTFORD, UK **EGBW** CIV N52°11.53' W1°36.87'
159 UTC 0(+1DT) **L-4G**
(B) **RWY-05** (1932x59 ASP) **RWY-23**
RWY-18 L5,50 (3009x75 ASP) L5,50 **RWY-36**

SERVICE - FUEL - (NC-100LL,A1)
REMARKS - Opr 0900-1730Z++ PPR.
COMMUNICATIONS - INFO - 124.025

WELS, AU **LOLW** CIV N48°11.00' E14°02.45' 1043 UTC+1(+2DT) **L-6J-10E**
RWY-09 L5,50 (4560x98 ASP SWL24) L5,50 **RWY-27**
4235➔ ←4327
RWY-09L (3051x164 GRS AUW12) **RWY-27R**
RWY-09R (2952x148 GRS AUW4) **RWY-27L**

SERVICE - LGT - PAPI Rwy 09 GS 3.5° MEHT 35', PAPI Rwy 27 GS 3.5° MEHT 31'. **FUEL** -
(NC-100LL, A1)
REMARKS - Opr 0700-1900Z++, OT O/R. **RSTD** - VMC only. **CAUTION** - Glidr act and
PJE. **NS ABTMT** - Tkof Rwy 27 pref. **CSTMS/IMG** - Avbl.
COMMUNICATIONS - AFIS - (V) 119.7
NAVAIDS - VHF/DF

WELSHPOOL, UK **EGCW** CIV N52°37.72' W3°09.20' 233 UTC 0(+1DT) **L-3C-4F**
RWY-04 (3346x59 ASP) **RWY-22**
3028➔ ←2982

SERVICE - FUEL - (NC 100LL,A1)
REMARKS - Opr 0900-1700Z++
COMMUNICATIONS - RDO - 128.0

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NAVAIDS - WELSHPOOL NDB-DME - TW 323.000 WPL CH 106(Y) (025/25) N52°37.80' W3°09.23' At Fld. 282/3°38.9'W

WELZOW, GM See SPREMBERG WELZOW

WERNEUCHEN, GM **EDBW** PVT N52°37.98' E13°46.02' 263 UTC+1(+2DT) **L-5D**
RWY-08 (4918x262 CON) **RWY-26**

REMARKS - Opr PPR. **RSTD** - Avoid ovft Rudolphshohe, Hirschfelde, Werneuchen villages.

CAUTION - Gldr act. Apch Rwy 08 has 3281' non-use prev sfc with 13' mound at beginning and 3' mound 1066' before thld.

COMMUNICATIONS - **BERLIN INFO** - 132.65 251.375 **INFO** - 122.6

WESER, GM **VORW** - HA 112.900 WSR (060/50) N53°20.86' E8°52.52' Unk/(A)0°00.0'E
H-5C, L-5C

WESSLING, GM See OBERPFAFFENHOFEN

WESTCOTT, UK **NDB** - HHW 335.000 WCO N51°51.18' W0°57.75' Unk/2°39.0'W
H-6F, L-4G

WESTERLAND SYLT, GM **EDXW** CIV N54°54.79' E8°20.43' 51 UTC+1(+2DT)

H-2G-5C, L-2E

RWY-06 (5564x148 ASP PCN 35 R/B/X/T)

RWY-24

RWY-14 L2,5,9,27,43

(6955x148 CON PCN 80 R/B/X/T)

L2,5,11,43 **RWY-32**

SERVICE - AOE **LGT** - VASI Rwy 15 MEHT 32', VASI Rwy 33 MEHT 32'. **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0830Z-SS+30 (0700-1900Z DT); OT PPR. **RSTD** - No UHF at EDXW INFO/TWR. Rwy 06-24 jet acft PPR. **CAUTION** - Avoid ovft of built-up areas vcnty of arpt and gas tank SW of Rwy 06. Bird haz. **CSTMS/IMG** - O/R 2hr. **MISC** - Fone C04651-92060. Class D Airspace eff 0830Z-SS+30 (0700-1900Z DT); OT Class E.

COMMUNICATIONS - **SYLT TWR** - Opr by NOTAM. 119.75 **REMARKS**: INFO when twr not opr. **BREMEN RADAR** - 136.225 **BREMEN INFO** - 125.1 376.7

NAVAIDS - **WESTERLAND DME** - T WES CH 52 N54°54.63' E8°20.39' At Fld.

49/0°27.3'E **SYLT NDB/LOM** - MHW 387.000 SLT N54°51.41' E8°24.60' 325° 4.2 NM to Fld. Unk/0°29.0'E **VHF/DF**

ILS/RADAR - ➔ **ILS-DME** - BRG 324° LCZR IWES 111.5 DME WES CH 52 GS 3°

WESTLANDA, SW See ARVIKA

WEVELGEM, BE **EBKT** CIV N50°49.03' E3°12.28' 64 UTC+1(+2DT) **H-6G, L-4H**
RWY-06 L9,50,55 (6030x148 ASP PCN 52 F/B/X/T) L5,9,50,55 **RWY-24**
←5650

SERVICE - **FUEL** - (NC-100LL, A1)

REMARKS - Opr 0700Z++-SS Mon-Fri; 0800Z++-SS Sat, Sun, hol. PPR-Nr to opr other than these hr must be obtained 24H prior. Fax C+32-56-354-059, attn EBKTZPZX **RSTD** - The arpt is for IFR tfc; arpt is rstd to acft able to opr with a tkof dist of less than 3937' at MTOW. Rwy 24 LDA 5741' (day), 5184' (ngt). **CSTMS/IMG** - CSTMS avbl HS.

COMMUNICATIONS - **AFIS** - CALL RADIO 120.25

NAVAIDS - **KORTRIJK NDB** - MHW 371.000 OKT N50°49.44' E3°13.49' At Fld. 60/0°59.7'W (10NM-W) **VHF/DF**

WHITEGATE, UK **NDB** - MHW 368.500 WHI N53°11.10' W2°37.38' Unk/3°32.5'W
L-3C, T-2F

WICK, UK **EGPC** CIV N58°27.53' W3°05.58' 126 UTC 0(+1DT) **H-2E-5A, L-3C**
RWY-08 L7,50,53,55 (3399x148 ASP) L7,50,53,55 **RWY-26**
RWY-13 L5,38,50 (5988x148 ASP PCN 16 F/A/W/T) L5,38,50 **RWY-31**
5168→ ←4971

B-470 AIRPORT/FACILITY DIRECTORY

SERVICE - LGT - PAPI Rwy 08 GS 4° MEHT 32', PAPI Rwy 26 GS 4° MEHT 27', PAPI Rwy 13-31 MEHT 25'. **JASU** - 1(E12) **FUEL** - (NC-100LL, A1) Avbl dur opr hr, OT by arng to FAR NORTH WICK. Call FARNOR 130.375. **OIL** - O-117-123-128-133-149-156

REMARKS - Opr 0700-1830Z++, 1900-2030Z++ Mon-Fri; 0845-1024Z++, 1100-1445Z++ Sat; OT by arng. **RSTD** - 3 hr PPR rqr. **CAUTION** - Rwy 08-26 may be slippery due to moss growth. Road cros apch end Rwy 31. **RWY** - Fst 2000' of Rwy 08 has 1° upslope. Rpt LDA for Rwy 13 is 4593'. Rpt LDA for Rwy 31 is 4587'.

COMMUNICATIONS - ATIS - Opr 0650-1830Z++ Mon-Fri; 0820-1445Z++ Sat. 113.6 **APP** - 119.7 **TWR** - 119.7 **INFO** - 119.7

NAVAIDS - WICK VORW-DME - HA 113.600 WIK CH 83 (100/50) N58°27.53' W3°06.02' At Fld. 110/(A)6°00.0'W (160/50 335°-005°). **WICK NDB** - MHW 344.000 WCK N58°26.80' W3°03.79' 313° 1.2 NM to Fld. Unk/4°52.7'W

WICKED, GM DVORW-DME - HA 108.650 DOR CH 23(Y) (025/10) N51°31.52' E7°37.86' At DORTMUND. 373/(A)0°00.0'E **L-5B**

WIEN ACC/FIC, AU LOVV (CIV) RADAR/CON - (V) 129.125 118.73 119.88 126.28 128.7 129.2 131.35 132.16 132.6 133.6 133.8 133.965 **INFO** - 124.4 Opr 0600-evening civ twilight. **H-4E-6J-7C, D, L-6H-9B, C, D-10E, F**

WIENER NEUSTADT EAST, AU LOAN PVT N47°50.60' E16°15.61' 896

UTC+1(+2DT) **L-6J-10E**

RWY-10 L5,50

(3500x75 ASP AUW13)

L5,12,50 **RWY-28**

SERVICE - LGT - PAPI Rwy 10/28 GS 3.5° MEHT 29.5'. **FUEL** - (NC-100LL, A1)

REMARKS - PPR. (Opr 0800Z++ to end of civ twilight. For flt btn end of civ twilight and 2100Z++ ctc OPS office til 1530Z++. **CAUTION** - Dur glidr fly act watch for dep and ldg tow acft. **CTSMS/IMG** - CSTMIS avbl PPR 1 hr for dep, 2 hr for apch. Ctc OPS office C+43-0-2622-26700-767. **MISC** - Apch after end of civ twilight time are ngt VRF flt and shall be complete with a ldg.

COMMUNICATIONS - WIEN APP - Call Radar (R) (V) 128.2 **AFIS - (V)** 122.65 **WIEN CENTER** - 124.4

WIESBADEN AAF, GM ETOU A N50°02.99' E8°19.52' 461 UTC+1(+2DT)

VFR, H-6H, L-6G

(B) **RWY-07** L1,5,9,50

(7065x120 ASP PCN 53 F/B/W/T)

L1,5,24,50 **RWY-25**

←6944

SERVICE - AOE LGT - Nstd step 2 rwy lgt ctl by pilot when twr clsd. Key mike 5 times for med, 3 times wi 5 sec for lo - 122.1 **FUEL** - Avbl dur opr hr, OT PPR. J8

REMARKS - Opr 0600-1900Z++ Mon-Fri, unattended US hol, clsd GM hol and weekends. Exp freq short ntc chg to opr hr announced by NOTAM. Fone DSN 337-5662/5115 C0611-705-5662/5115; fax DSN 337-5411. **RSTD** - OFFL GOVT BUS ONLY. 2 working days PPR for all flt outside nml wkcd opr hr and anytime wkend, US and GM hol. Do not opr wx radar wi 500' of C ramp. PPR for all civ flt (exc CTLZ trns), tran IFR arr, and Code 6 and abv. 10 working days PPR for civ acft ldg permit. Ctc 421st Med Evac Bn SDO/SDNCO, DSN 337-7382 if afld OPS unattended. PPR for acft flt/gnd ops dur quiet hr. Ctc gnd prior to eng start. **CAUTION** - 3' hi unmrk obst incl raised PSP and bird dispersal devices in all sod areas. 7' hi fence 400' fr rwy ends. **NS ABTMT** - See VFR ARR/DEP RTE EUR. All pilots rqr lcl area NS ABTMT briefing prior to tfc pat and/or any trng wi CTLZ or Sub Copter Trng Area. Quiet hr 1200-1400Z++ msn essential flt only. **MISC** - Wx obsn avbl dur afld opr hr. Vis determination fr offl obsn pt is obscured fr ESE thru SW. Wx briefing avbl 1 hr prior to tkof dur sched afld opr hr. Wx briefings avbl for flt with PPR outside nml sched afld opr hr by arng. Fone DSN 337-4118/4109. OT ctc USAFE OWS, DSN 496-6145/6 or C+49-(0)6302-676145/6.

COMMUNICATIONS - § **ATIS** - 139.525 250.9 **LANGEN ARR - (R) (E)** 120.8 252.45 **TWR - (E)** 30.1 142.35 122.1 240.95 **GND** - 138.55 396.8 **LANGEN DEP - (R) (E)** 120.15 372.85 **LANGEN INFO** - 119.15 359.675 **EMERG FM** - 40.5 **PMSV METRO** - Full svc dur afld opr hr. 140.3 **REMARKS**: PMSV com N of Taunus mt severely rstd blw 3000' MSL, btn 270° and 360°. **OPS** - Opr 0600-1900Z++ Mon-Fri, unattended US hol, clsd GM hol and weekends. 74.1

AIRPORT/FACILITY DIRECTORY B-471

NAVAIDS - WIESBADEN TACAN - HA WIB CH 88 (040/18) N50°02.77' E8°18.65' At Fld.

472/(A)1°00.0'W MP 1200-1400Z++ Tue. Monitored dur hr of twr opr.

WIESBADEN NDB - MHW 399.000 WBD N50°02.94' E8°19.72' At Fld. 490/0°42.0'E MP 1200-1400Z++ Thu.

WIB TACAN unuse

270°-060° byd 15 NM

ILS/RADAR - ILS-DME - 25 RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA. GCA avbl 1100-1900Z++ Mon-Thu, 0900-1700Z++ Fri.

WILHELMSHAVEN MARIENSIEL, GM EDWI CIV N53°30.29' E8°03.20' 16 UTC+1(+2DT) **L-5B**

(B) **RWY-02 L5**

(4787x98 ASP AUW30)

L5 RWY-20

4046→

←3960

RWY-16 L7

(2018x49 ASP)

L7 RWY-34

←1920

SERVICE - FUEL - (NC-100LL A1)

REMARKS - Opr 0700Z-SS+30, (0600Z-SS+30/1900 DT), OT PPR. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. **CSTMS/AG/IMG** - Avbl O/R fone C04421-202333. **MISC** - Fone C04421-201085.

COMMUNICATIONS - JEVER TWR - 118.725 122.1 **BREMEN INFO** - 125.1

INFO - 129.25 25 NM 4000 ft AGL

NAVAIDS - VHF/DF

WILLISAU, SZ VORW-DME - HA 116.900 WIL CH 116 (050/25) N47°10.70' E7°54.36' 2417/(A)0°00.0'E **H-7C, L-9B**

WIPPER, GM VORW - HA 109.600 WYP (040/25) N51°02.90' E7°16.80' 902/(A)0°0.0'E

Severe crs roughness in direction of BAM, KBO, GMH.

WYP VOR unuse

158°-112° byd 25NM abv FL150

112°-158° byd 40NM abv FL250

180°-230° byd 15NM blw 4500

H-6G

WITTERING, UK EGXT MIL N52°36.75' W0°28.59' 273 UTC 0(+1DT) **H-5B-6F, L-3C-4G**

(B) **RWY-08 L5,41,50**

(9052x200 ASP)

L5,24,50 RWY-26

NET RAF (130' OVRN)

NET RAF (140' OVRN)

SERVICE - LGT - ABn, red coded WJ. **JASU** - 1(A12) 1(E1) 1(E3) 1(E11) 1(E12) **FUEL** - A1+ **FLUID** - HPOX LOX **OIL** - O-135-138-149-155-156

REMARKS - Opr 0800-1700Z Mon-Fri (0700-1630Z Mon-Fri sum). **RSTD** - 24 hr PPR. F/W acft must remain abv 1,000' (QFE) over areas SE and SW of afld. Rpt LDA Rwy 08 and Rwy 26 8917'.

COMMUNICATIONS - **ATIS** - 242.475 **APP** - (R) (E) 130.2 234.075 362.3X (LARS and MATZ crossing freq 130.2) **LONDON MIL** - (R) (E) 299.975 275.475 (E Arr/Dep 299.975) (W Arr/Dep 275.475) **TWR** - (E) 125.525 372.225 257.8X **GND** - 369.225 **DEP** - (R) 278.45 344.0X

NAVAIDS - WITTERING TACAN - T WIT CH 123 (100/40) N52°36.47' W0°29.92' At Fld.

295/2°35.7'W Unlocks may occur btn R280-R285 at aprx 20NM fr TACAN. **UHF/DF**

ILS/RADAR - RADAR - SEE TERMINAL FLIP FOR RADAR MINIMA.

WITTMUNDHAFEN, GM ETNT MIL N53°32.87' E7°40.04' 26 UTC+1(+2DT) **H-5C, L-2E-5B**

(B) **RWY-08 L2,5,9,24,50**

(8005x98 ASP)

L2,5,9,24,50 RWY-26

HOOK 44B-2D(B) (16' OVRN) HOOK 44B-2D(B) (1301')

HOOK 44B-2D(B) (1301') HOOK 44B-2D(B) (16' OVRN)

SERVICE - AOE **A-GEAR** - Apch end engagement O/R 10 min. **JASU** - 1(AEG 30 KVA) 1(GPE-160) 1(RST-180) **FUEL** - J8 **FLUID** - (Mechanical de-icing only for F-4 and acft up to a hgt of 3M) HPOX LOX **OIL** - O-133-148

B-472 AIRPORT/FACILITY DIRECTORY

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD** - PPR 3 hr PN for tkof of non-homebased jet acft 1130-1330Z++. Practice apch of jet acft proh 1130-1330Z++. **CAUTION** - Lgt acft and gldr act Sat, Sun and hol btn SR-SS. **MISC** - Afct on apch encountering rdo com failure and squawking SIF-Mode 3/A Code 77 (Emerg), if apch end engagement is desired. Cargo handling fac O/R. Rwy ldg sfc has anti-skid layer. Fone C04462-917-0, extrn 3257, 3256; fax C04462-917-3850. **RWY** - Rwy 08 and 26 TODA 8957'.

COMMUNICATIONS - BREMEN CON - (R) (E) 124.075 313.225

WITTMUND TWR - (E) 118.725 122.1 140.4X 257.8 386.875

WITTMUND RADAR - (R) (E) 123.3 123.6X 138.55X 140.9X 248.05 258.7 344.0 385.4 259.025X 277.175X 368.9X

NAVAIDS - WITTMUNDHAFEN TACAN - HA WTM CH 82 (060/50) N53°33.26' E7°43.51' 259° 2.1 NM to Fld. 61/(A)0°00.0'E

ILS/RADAR - ■ RADAR - ASR/PAR - Call WITTMUND RADAR - 123.6x 277.175X 368.9X

WK, QA **NDB/LOM** - MHW 323.000 WK N25°10.77' E51°36.08' Unk/1°55.1'E
H-14G, L-18F, 20G

WOENS DreCHT, NL **EHWO** MIL N51°26.95' E4°20.52' 63 UTC+1(+2DT)

H-6G, L-5A

RWY-07 L5 (7996x148 ASP)

L5,24,50 **RWY-25**

BAK-14 44B-4H(B) (1150')

BAK-14 44B-4H(B) (1150')

SERVICE - LGT - Parl twy lgt are W. **JASU** - 1(DSA 150) 1(ST-56) **FUEL** - A1+ **FLUID** - OX OIL - 0-148

REMARKS - Opr 0700-1545Z++ Mon-Fri, clsd hol. **RSTD** - PPR **CSTMS/IMG** - CSTMS avbl 30 min PN. **MISC** - Gldr and model act SR-SS exc for opr hr.

COMMUNICATIONS - RAPCON WEST - 123.575 281.475 **ARRIVAL** - 123.575 378.65
TWR - (U) 118.5 339.0

NAVAIDS - WOENS DreCHT TACAN - HA WDT CH 97 (040/25) N51°26.85' E4°20.63' At Fld. 47/(A)4°21.0'W **VHF/DF**

ILS/RADAR - ➔ ILS-DME - BRG 071° LCZR I-WDO 108.15 CH18(Y) GS 3° ➔ **ILS-DME** - BRG 251° LCZR I-WDZ 108.15 CH18(Y) GS 3°.

WOLVERHAMPTON, (HALFPENNY GREEN) UK **EGBO** CIV

N52°31.05' W2°15.57' 283 UTC 0(+1DT) **H-3D, L-3C-4F**

(B) **RWY-04** (2083x59 ASP)

RWY-22

1985→

←1788

RWY-10 L7,50 (2624x75 ASP)

L7,50 **RWY-28**

2106→

←2165

RWY-16 L53 (3878x75 ASP)

L53 **RWY-34**

3158→

←3263

SERVICE - LGT - ABn green coded HG. Rwy 16 Lo-Intensity Two-color Apch Sys (LITAS) GS 4.0°, PAPI Rwy 10-28 GS 4. 0°. **FUEL** - Opr 0700-1945Z++ Mon-Fri; 0900-1845Z++ Sat, Sun and hol. (NC-100LL, A1) **OIL** - O-117-123

REMARKS - Opr 0700-1900Z++ Mon-Fri; 0900-1900Z++ Sat, Sun and hol. PPR fone C01384-221514. **RSTD** - PPR. Rwy 34 not avbl for ngt use. Rpt LDA Rwy 16 is 2861'; for Rwy 34 2982'. **MISC** - Ldg fees.

COMMUNICATIONS - ATIS - 124.875 **APP** - 123.0 **TWR** - 123.0

NAVAIDS - WOLVERHAMPTON DME - T WOL CH 23 N52°30.95' W2°15.71' At Fld. 300/3°16.3'W **WOLVERHAMPTON NDB** - MHW 356.000 WBA N52°30.95' W2°15.71' At Fld. Unk/3°16.2'W

WOODFORD, UK See MANCHESTER WOODFORD

WOODLEY, UK **NDB** - HHW 352.000 WOD N51°27.17' W0°52.73' Unk/2°33.3'W
H-6F, L-4G

AIRPORT/FACILITY DIRECTORY B-473

WOODVALE, UK EGOW MIL N53°34.89' W3°03.33' 37 UTC 0(+1DT)

H-3D-5A, L-3C, T-2F

RWY-03 L53 (5405x150 ASP)

L53 **RWY-21**

RWY-08 L53 (3505x148 ASP)

L53 **RWY-26**

2330→

←3343

SERVICE - JASU - 1(C1) 1(E1) FUEL - 100LL OIL - O-123-128

REMARKS - Opr 0800-1700Z++ Tue-Sun or SS +30 whichever earlier. **RSTD -** 24 hr PPR. Rpt

LDA for Rwy 08 is 2330'. **CAUTION -** Bird haz. Lgt acft act SR-SS other than arpt hr.

MISC - Appt status avbl from Warton App on 129.525, Blackpool App on 119.95, or Liverpool App on 119.85.

COMMUNICATIONS - APP - 0800-1800Z++ Tue-Sun. (E) 121.0 282.575 **TWR -** 119.75 278.2 **RDO -** 121.0

NAVAIDS - VHF/UHF/DF

WORTHERSEE INTL, AU See KLAGENFURT

WROCLAW, PL NDB - MHW 255.000 H N51°05.71' E16°54.62' 294° 1.0 NM

to STRACHOWICE. Unk/3°07.2'E **NDB -** MHW 525.000 HG N51°04.95' E16°57.09' 294°

2.8 NM to STRACHOWICE. Unk/3°07.9'E **H-8F-5E, L-5E-22E**

WUNSTORF, GM ETNW MIL N52°27.44' E9°25.63' 187 UTC+1(+2DT) **H-5D, L-5C**

(B) **RWY-03** L2,5,33 (5573x156 ASP)

L2,5,33 **RWY-21**

RWY-08 L2,5,24,50 (6157x153 ASP)

L2,5,24,50 **RWY-26**

RWY-08R (3569x132 GRS)

RWY-26L

SERVICE - AOE JASU - 1(GPE-160) FUEL - No hot refuel. J8 **FLUID - LHOX OIL -** O-147-149

REMARKS - Opr 0700-1600Z++ Mon-Thu, 0700-1100Z++ Fri, clsd hol. **RSTD -** PPR. Rwy

03-21 clsd for single and double seated jet acft. **CAUTION -** Hydroplaning eff on Rwy

03-21 dur wet cond. Gldr and PJE Sat, Sun and hol, SR-SS up to FL95 2NM rad of arpt.

NS ABTMT - Avoid ovft of Neustadt Hosp (N52° 30' E09° 29'). **CSTMS/IMG -** Avbl O/R 3 hr PN. **MISC -** Hgr space for tran acft avbl O/R. Fone C05031-405, extn 2245/2246.

COMMUNICATIONS - HANNOVER DIR - (R) (E) 131.325 259.725 TWR - (E) 122.1 138.6
257.8 282.0 362.3X **RADAR - (R) (E) 123.3 142.5 344.0 378.5 385.4 389.4 362.3X**

NAVAIDS - WUNSTORF TACAN - HA WUN CH 95(Y) (080/50) N52°27.62' E9°26.69' At Fld.

202/(A)0°00.0'E **WUNSTORF NDB/LMM -** MHW 419.000 WUN N52°27.56' E9°27.28'

263° 1.0 NM to Fld. 203/0°57.1'E

WUN TACAN MRA within 40 NM 120°-230° 4000'

ILS/RADAR - ➔ ILS - BRG 261° LCZR I-WUN 109.7 GS 3° LOM HW 358 LMM WUN 419. ■

RADAR - ASR/PAR - 142.5 282.4 362.3x

WURZBURG, GM See GIEBELSTADT AAF

WURZBURG, GM VORW - HA 110.200 WUR (060/30) N49°43.05' E9°56.82'

1052/(A)0°00.0'E **H-6I, L-6H**

WYTON, UK EGUW MIL N52°21.43' W0°06.47' 135 UTC 0(+1DT) **H6F, L4G**

RWY-09 (8255x200 ASP)

RWY-27

RWY-15 (2500x59 ASP)

RWY-33

SERVICE - FUEL - (NC100LL) OIL - O-123

REMARKS - Opr 0830-1700Z++ Mon-Sun PPR. **RSTD -** Rpt LDA for Rwy 09 is 2526'.

CAUTION - Possible turb when winds exceed 15 Kt. Clnc btn twy centerline and fence

south of Rwy 09 is 57'. Rwy 09 avbl to light acft only. **NS ABTMT -** Avoid village of

Woodhurst 1.5 NM N of Rwy 27 thld. **MISC -** Aircrews conducting practice diversions or trans are req to use UHF freq.

COMMUNICATIONS - ATIS - 279.15 **APP - (R) 134.05 369.525 TWR -** 119.975 372.2

GND - 122.1X 278.35

NAVAIDS - VHF/UHF/DF

B-474 AIRPORT/FACILITY DIRECTORY

YALOVA, TU LTBP MIL N40°41.06' E29°22.54' 6 UTC+2(+3DT) **H-4H, L-15A**

RWY-08 (4603x130 ASP SWL40)

RWY-26

RWY-18 (4425x130 ASP SWL40)

RWY-36

REMARKS - Opr by NOTAM. Afltd unattended.

COMMUNICATIONS - **GND** - 121.95 251.25

NAVAIDS - **YALOVA VORW-DME** - HA 117.700 YAA CH 124 N40°28.50' E29°12.45' 029°
14.7 NM to Fld. 2857/(A)2°00.0'E O/S UFN. Unmto **YALOVA NDB** - HHW 305.000 YAA
N40°33.88' E29°22.30' 002° 7.2 NM to Fld. Unk/4°15.2'E Unmto
YAA VOR-DME unrel 175°-200°

YASOUJ, IR OISY CIV (CIV) N30°42.03' E51°32.71' 5939 UTC+3:30 **H-13C, L-18F**

RWY-13 L55 (8522x148 ASP PCN 26 F/C/Y/T)

L55 **RWY-31**

SERVICE - **FUEL** - O/R (NC-A1)

REMARKS - Opr SR-SS. **CAUTION** - Animal haz.

COMMUNICATIONS - **AFIS** - 121.8 123.75

NAVAIDS - **YASOUJ NDB-DME** - MHW 235.000 YSJ CH 112(Y) N30°42.08' E51°32.94'
At Fld. 5939/2°53.0'E

YAZD SHAHID SADOOGHI, (YAZD) IR OIYY CIV N31°54.29' E54°16.59' 4054
UTC+3:30 **H-13C, L-17B-18F**

(B) **RWY-13 L5,12,50** (13446x148 ASP PCN 60 F/B/X/T)

L5,12,50 **RWY-31**

SERVICE - **FUEL** - (NC-100LL, A1, J4)

REMARKS - Opr SR-SS. **CAUTION** - Animal haz. **MISC** - Hvy and med acft are perm 180°
turn at EOR in use.

COMMUNICATIONS - **ATIS** - Opr 0300-1400Z. 126.25 **TWR** - (V) 121.9 122.7

NAVAIDS - **YAZD SHAHID SADOOGHI VORW-DME** - HA 117.700 YZD CH 124 N31°53.86'
E54°16.97' At Fld. 4054/(A)2°0.0'E **YAZD SHAHID SADOOGHI TACAN** - T YZD CH 75
N31°53.12' E54°18.05' 311° 1.7 NM to Fld. 4054/(A)2°0.0'E

YAZD SHAHID SADOOGHI NDB - HW 402.000 YZD N31°54.22' E54°17.24' At Fld.

4154/2°55.0'E

YZD VOR-DME unuse at 20 DME 010°-140° blw 11000'

arc

YZD VOR-DME unuse at 40 DME 360°-160° blw 15000'

arc

YZD VORTAC unuse 160°-360° blw 17000'

030°-080° byd 25 NM blw FL 160

150°-250° byd 25 NM blw FL 220

YENBO, SA OEYN CIV N24°08.65' E38°03.80' 26 UTC+3 **H-14E, L-20F**

(B) **RWY-10 L6,43** (10532x148 ASP PCN 59 F/A/W/T)

L6,12,43 **RWY-28**

SERVICE - **FUEL** - (NC-A1)

REMARKS - Opr 0300-1700Z. **RSTD** - PPR, 3 hr PN.

COMMUNICATIONS - **CTAF** - Opr 1800-0400Z. 122.8 **INFO** - 118.1 121.9

FIRE RESCUE SVC - 133.5 **REMARKS**: Ctc 15 min prior ETA 1800-0400Z.

ILS/RADAR - ➔ **ILS DME** - BRG 278° LCZR I-YEN 111.5 CH 52 GS 3°

YENISEHIR, TU LTBR MIL/CIV N40°15.31' E29°33.75' 764 UTC+2(+3DT) **H-4H, L-15A**

(B) **RWY-07L L3,11,50** (9818x148 CON PCN 110 R/C/W/T)

L2,3,10,50 **RWY-25R**

RWY-07R L5,11,50 (9818x98 CON)

L5,43,50 **RWY-25L**

← BEFAB (125' OVRN) 500S(B) (1395')

500S(B) (1428')

SERVICE - **LGT** - VASI Rwy 25L GS 2.7°. **FUEL** - (NC-J8)

REMARKS - **RSTD** - PPR. Opr by NOTAM. **MISC** - NOTAMS avbl only at AOE listed in
FCG.

COMMUNICATIONS - **APP** - 120.325 124.2 340.375 **TWR/APP** - (E) 122.1 124.2 340.375
257.8 362.3 **GND** - 121.95 251.25

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NAVAIDS - YENISEHIR VORW-DME - L 115.300 BRY CH 100 N40°15.75' E29°35.64' 249°
1.5 NM to Fld. 766/4°14.0'E **YENISEHIR TACAN** - T YEN CH 79 N40°15.61' E29°34.47'
At Fld. 799/4°14.2'E **YENISEHIR NDB** - MHW 352.000 BRY N40°15.75' E29°35.64' 249°
1.5 NM to Fld. Unk/4°14.4'E
BRY VOR-DME unuse 190°-240° byd 15NM blw 11,000'
240°-250° byd 20NM blw 11,000'
190°-250° Byd 15NM.
BRY NDB unuse

ILS/RADAR - ➔ **ILS-DME** - BRG 251° LCZR IYEN 109.7 CH100 GS 3°

YEOVIL RADAR, UK **RADAR** 0815-1700Z++ Mon-Thu, 0815-1600Z++ Fri, OT call
London Mil 135.15 275.475. PPR 24 hr. (E) 127.35 369.875

YEOVILTON, UK **EGDY** MIL N51°00.56' W2°38.33' 75 UTC 0(+1DT) **H-3C, L-4F**
RWY-04 L7,41,50 (4797x151 CON) L7,41,50 **RWY-22**
←J-BAR RAF (147' OVRN)
RWY-09 L5,24,50 (7580x151 CON) L5,24,50 **RWY-27**
←7504
←J-BAR RAF (60' OVRN)

SERVICE - AOE **LGT** - ABn, red coded VL. PAPI Rwy 22 GS 3.25°. **JASU** - 1(C3) 1(E1) 1(E10)
1(E11) 1(E12) **FUEL** - 100LL, J8 **FLUID** - LOX OX **OIL** - O-123,-128,-149,-156,-160

REMARKS - Opr 0830-1700Z++ Mon-Thu, 0830-1400Z++ Fri. **RSTD** - 24 hr PPR.

CAUTION - Hi ints jet and copter tfc. Bird haz. PJE SR-SS. Arpt sur by unlgt obst.

COMMUNICATIONS - NATO common freq avbl O/R. **ATIS** - Opr HO. 283.925

RADAR - Opr HO. (R) (E) 127.35 234.3 **REMARKS**: All inbd acft call APP CON- Jets 40 NM,
Piston pwr 20 NM before MATZ bdry. **TWR** - Opr HO. 122.1X 375.575 **GND** - Opr HO.
268.625 **OPS** - Opr 0715-1730Z++ Mon-Thu, 0715-1600Z++ Fri. 6736 5420

NAVAIDS - YEOVILTON TACAN - HA VLN CH 47 (200/60) N51°00.30' W2°38.33' At Fld.
113/(A)4°00.0'W MP 1900-2359Z++ Thu. **VHF/UHF/DF**

ILS/RADAR - ■**RADAR** - ASR - Call DIRECTOR 123.3x 338.875 362.3x. PAR - Call
TALKDOWN 123.3x 339.975 344.35

YESILKOY, TU See ATATURK

YESTE, SP **VORW-DME** - HA 115.200 YES CH 99 N38°21.65' W2°21.17' 4793/(A)3°10.2'W
H-161, L-11B

YLIVIESKA, FI **EFYL** CIV N64°03.63' E24°42.96' 252 UTC+2(+3DT) **L-1D**
RWY-15 LA,55 (4921x98 ASP) L55 **RWY-33**
REMARKS - Opr HX. Fone C+358-08-429-4374 for svc avbl. **CAUTION** - Gldr act.
COMMUNICATIONS - UNICOM - 122.5

ZABOL, IR **OIZB** CIV N31°05.90' E61°32.63' 1628 UTC+3:30 **H-13D, L-17, D-18H**
(B) **RWY-16** L7 (9848x148 ASP PCN 40 F/D/X/U) L7,12,50 **RWY-34**
REMARKS - Opr 0330-1000Z.
COMMUNICATIONS - INFO - Opr SR-SS. 118.35 121.7
NAVAIDS - ZABOL NDB - MHW 295.000 ZAL N31°05.86' E61°32.39' At Fld. Unk/2°09.5'E

ZABOROWEK, PL **VORW-DME** - HA 114.900 WAR CH 96 N52°15.55' E20°39.43' 112°
12.7 NM to OKECIE. 295/(A)3°00.0'E **H-8G, L-21B, T-1**

ZADAR, (ZEMUNIK) HR **LDZD** CIV N44°06.50' E15°20.80' 289 UTC+1(+2DT) **H-4E, L-12F**
RWY-04 L6A,50 (6561x147 ASP PCN 35 F/A/X/U) L6 **RWY-22**
RWY-14 L5,9,33,50 (8202x147 ASP PCN 53 F/A/X/U) L5,9,33,50 **RWY-32**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr HO. **RSTD** - Rwy 04-22 opr daylight hrs only. **CAUTION** - Bird haz.
CSTMS/IMG - Avbl HS.
COMMUNICATIONS - APP - Opr 0700-2100Z++ Mon-Sat. (V) 118.6 119.6
TWR - (V) 123.7 **REMARKS**: Outside AD opr hr, 24h PPR via ZADAPXH.

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NAVAIDS - ZADAR VORW-DME - HA 108.600 ZDA CH 23 N44°05.72' E15°21.85' 314°
1.1 NM to Fld. 278/(A)1°00.0'E **ZADAR NDB** - MHW 348.000 ZK N44°05.67' E15°21.90'
314° 1.1 NM to Fld. Unk/2°24.0'E **BOKANJAC NDB** - MHW 385.000 BO N44°10.15'
E15°15.84' 134° 5.1 NM to Fld. 83/2°23.0'E **KAKMA NDB** - HW 330.000 ZRA N43°59.83'
E15°29.79' 314° 9.3 NM to Fld. 211/2°25.3'E **SALI NDB** - MHW 421.000 SAL N43°56.27'
E15°10.09' 035° 12.8 NM to Fld. 72/2°21.3'E

ZAGREB ACC/UACC, HR **LDZO** (CIV) (R) (V) **CONTROL/RADAR** - 125.0 125.775
118.725 126.775 128.275 132.125 133.975 134.45 128.275 (NATO ZAGREB 131.275)
(NATO MAGIC 129.425) **FIS** - PULA INFO 124.85, SPLIT INFO 128.675, ZAGREB INFO
122.575 **VHF/DF H-4E-7D, L-9D-10E, F-12F**

ZAGREB, (PLESO) HR **LDZA** CIV N45°44.58' E16°04.13' 353 UTC+1(+2DT) **H-4E, L-10F**
(B) **RWY-05** L2,3,4,5,9,10,50 (10669x148 ASP PCN 80 F/C/X/T) L4,5,9,11,50 **RWY-23**
SERVICE - AOE **FUEL** - A1+ (Air BP/INA) (NC-100LL)
REMARKS - **CAUTION** - Bird haz. Lgtd mast 131' AGL lctd 8340' N of Rwy 23 thld. **MISC** -
SFOR/NATO msn acft ctc ZAGREB ATOC 20 min prior to ldg.
COMMUNICATIONS - **ATIS** - 124.375 **APP** - (R) (V) 120.7 118.5 **TWR** - 118.3 119.125
GND - 121.85 **RADAR** - 120.7 **INFO** - 124.85
NAVAIDS - ZAGREB VORW-DME - HA 113.700 ZAG CH 84 N45°53.73' E16°18.40' 225°
13.5 NM to Fld. 420/(A)1°00.0'E **PISAROVINA NDB** - MHW 424.000 PIS N45°36.30'
E15°50.64' 047° 12.6 NM to Fld. 453/2°33.9'E **ZAGREB NDB** - HW 367.000 ZAG
N45°54.02' E16°18.67' 225° 13.9 NM to Fld. 399/2°40.6'E
ILS/RADAR - **ILS**

ZAHEDAN INTL, IR **OIZH** CIV N29°28.54' E60°54.37' 4524 UTC+3:30 **H-13D, L-18H**
(B) **RWY-17** L5 (13993x148 ASP PCN 50 F/A/X/U) L5,12,50 **RWY-35**
RWY-17L (13949x98 ASP PCN 40 F/B/X/T) ←13107 **RWY-35R**
HOOK UNK (3274')

SERVICE - **FUEL** - Avbl 0200-1800Z (NC-100LL, A1, J4).
COMMUNICATIONS - **ATIS** - Opr 0300-1800Z. 128.45 **TWR** - 118.1 119.4 121.9
NAVAIDS - ZAHEDAN VORW-DME - HA 116.000 ZDN CH 107 N29°29.21' E60°54.10'
At Fld. 4524/(A)2°0.0'E **ZAHEDAN TACAN** - HA ZAH CH 76 N29°27.81' E60°54.27'
At Fld. 4509/1°49.0'E **ZAHEDAN NDB** - MHW 224.000 ZD N29°28.27' E60°53.77' At Fld.
4524/1°49.0'E
ZDN VOR/DME unusable 360° - 040° byd 10NM BLW 8000FT AMSL
040° - 060° byd 10NM BLW 9000FT AMSL
060° - 070° byd 13NM BLW 9500FT AMSL
070° - 090° byd 15NM BLW 9500FT AMSL
090° - 100° byd 17NM BLW 9000FT AMSL
100° - 120° byd 20NM BLW 9000FT AMSL
120° - 220° byd 25NM BLW 9000FT AMSL
220° - 240° byd 25NM BLW 9500FT AMSL
240° - 310° byd 25NM BLW 9000FT AMSL
310° - 320° byd 23NM BLW 8000FT AMSL
320° - 330° byd 22NM BLW 8000FT AMSL
330° - 340° byd 21NM BLW 8000FT AMSL
340° - 350° byd 15NM BLW 8000FT AMSL
350° - 360° byd 12NM BLW 8000FT AMSL
ZDN VOR/DME unusable byd 150° - 160° BLW 10,000FT AMSL
40NM 160° - 170° BLW 10,500FT AMSL
170° - 190° BLW 11,000FT AMSL
190° - 220° BLW 10,000FT AMSL
220° - 230° BLW 11,000FT AMSL
230° - 280° BLW 12,000FT AMSL
280° - 290° BLW 10,000FT AMSL
290° - 340° BLW 11,000FT AMSL
ZAH TACAN unusable byd 20 DME BLW FL140 on R-238

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ZAMORA, SP VORW-DME - HA 117.100 ZMR CH 118 N41°31.81' W5°38.38'
2093/(A)4°00.0'W **NDB** - HW 300.000 ZMR N41°31.71' W5°39.10' Unk/2°59.4'W
ZMR VORW-DME unuse 069° byd 40 NM blw 7500'
145° byd 75 NM blw 9500'
312° byd 80 NM blw 8500'

H-3A-161, L-11B

ZANJAN, IR OITZ CIV N36°46.42' E48°21.57' 5382 UTC+3:30 **H-13B, L-17A**
RWY-12 (9840x148 ASP PCN 50 F/C/Y/T) **RWY-30**

REMARKS - Opr O/R. PPR 48 HR. **CAUTION** - Animal haz.

COMMUNICATIONS - INFO - 121.75 122.95

NAVAIDS - ZANJAN VORTACW - HA 114.100 ZAJ CH 88 N36°35.49' E48°41.43' 300°
19.4 NM to Fld. 5705/(A)4°00.0'E **ZANJAN NDB** - MHW 321.000 ZAJ N36°46.53'
E48°21.87' At Fld. Unk/4°26.0'E
ZAJ VOR unuse

070°-120° byd 25 NM blw FL125
140°-270° byd 25 NM blw FL110
240°-280° byd 40 NM blw FL190
320°-070° byd 20 NM blw FL110

ZARAGOZA AB, SP LEZG MIL/CIV N41°39.97' W1°02.49' 863 UTC+1(+2DT)
H-15A-161, L-11B

(B) **RWY-12L** L5,9,13,50 (9843x148 ASP PCN 55 F/C/W/T) L2,5,9,24,50 **RWY-30R**
BAK-9(B) (26' OVRN) BAK-12B(B) (1277')
RWY-12R L2,5,9,24,50 (12198x148 ASP PCN 104 F/B/W/T) L5,50 **RWY-30L**
BAK-9(B) (49' OVRN) BAK-12A(B) (1246')

SERVICE - LGT - Rwy 12R, 30R NATO (BP) apch lgt are abbreviated version nstd len. PAPI
Rwy 12L, 30R GS 2.5°. **JASU** - SAF units avbl. **FUEL** - (NC-100LL, A1, J8) **OIL** -
0-113-117-128-133-135-142-147-148-153-155-156-157-158-190-192, H-515

REMARKS - Opr 0545-2200Z++. H24 for cargo and mil acft. **RSTD** - Ovft city of Zaragoza
proh. NORDO proh. **CAUTION** - Do not mistake parl twy for Rwy 12R. Unctl veh on twy
and ramp. Fst 4000' Rwy 30R not vis fr twr. **CSTMS/IMG** - Avbl. **MISC** - Fst 1000' of all
rwy conc. All rwy have 25' shoulders. **RWY** - Last 1296' Rwy 30L unuse for tkof. Rpt TORA
10,902', LDA 12,198', Rwy 30L. TORA, LDA 12,198' Rwy 12R UFN.

COMMUNICATIONS - APP - (E) 119.3 127.05 313.5 296.75 363.675 **TWR - (E)** 118.1
122.1 139.3 257.8 264.1 396.9 259.075 **GND** - 118.1

NAVAIDS - ZARAGOZA VORW-DME - HA 113.000 ZAR CH 77 N41°39.47' W1°01.85'
At Fld. 876/(A)3°00.0'W **ZARAGOZA TACAN** - HA ZZA CH 64 N41°40.63' W1°03.51'
At Fld. 840/1°31.8'W **ZARAGOZA NDB** - HW 389.000 ZRZ N41°43.83' W1°11.60' 121°
7.8 NM to Fld. Unk/1°34.4'W **ZARAGOZA NDB/LOM** - HW 348.000 ZZA N41°35.93'
W0°52.68' 301° 8.4 NM to Fld. Unk/1°28.2'W **VHF/DF**
ZAR VOR-DME unuse 120°-310° byd 40 NM blw 8500'
310°-120° byd 40 NM blw 5500' -

ILS/RADAR - ILS ■ RADAR - ASR/PAR - (E) 122.5 123.3 260.975 315.4 344.0 358.55 385.4.
Opr 0700-1330Z++ Mon-Fri, OT O/R PPR 2 hr when wx less than 3 SM and 1500'.

ZARZAITINE, AG NDB - MHW 268.000 ZAR N28°03.03' E9°37.87' At IN AMENAS.
Unk/0°41.0'E **H-9D-11D-12E, L-19C**

ZARZIS, TS DTTJ CIV N33°52.50' E10°46.53' 19 UTC+1(+2DT) **H-9D-10E, L-14F**
(B) **RWY-09** L9,38,50,55 (10171x148 ASP PCN 52 F/B/Y/U) L9,50,55 **RWY-27**

SERVICE - AOE **FUEL** - (O/R 24 hr) (NC-A1)

REMARKS - **CAUTION** - WIP

COMMUNICATIONS - DJERBA APP - 120.3 **DJERBA TWR - (V)** 118.15

NAVAIDS - DJERBA VORW-DME - HA 112.200 JBA CH 59 N33°52.63' E10°46.28' At Fld.
33/(A)0°0.0'E

ZAWIA, LY VORW-DME - HA 117.700 ZAW CH 124 N32°46.72' E12°38.78' 56/(A)0°00.0'E
H-10E, L-14F

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ZELLA 74, LY **NDB** - MHW 270.000 PRC N28°35.00' E17°19.00' Unk/1°47.4'E
H-10F, L-19D

ZELTWEG, AU **LOXZ** MIL N47°12.17' E14°44.65' 2220 UTC+1(+2DT) **H-4E-6J, L-10E**
RWY-08 L4,5,12,50 (9022x197 ASP) L4,5,50 **RWY-26**
8530→ ←8202
RWY-08L (3609x131 GRS) **RWY-26R**
←3281

SERVICE - LGT - PAPI GS 5.0° **FUEL** - Avbl O/R (A1).
REMARKS - Opr 0700-1530Z++ Mon-Thu, 0700-1130Z++ Fri. (exc hol) OT by NOTAM.
COMMUNICATIONS - RADAR - (R) 129.475 135.375 **TWR** - 118.7 132.65
NAVAIDS - ZELTWEG NDB - HW 418.000 ZW N47°11.88' E14°45.40' At Fld. Unk/2°23.7'E

ZEMMOURI, AG **DVORW-DME** - HA 116.600 ZEM CH 113 (200/40) N36°47.70'
E3°34.25' 154/(A)2°00.0'W **NDB** - HW 359.000 ZEM N36°47.77' E3°34.32' Unk/0°08.9'W
H-9C, L-13D

ZEMUNIK, HR See ZADAR

ZENATA, (MESSALI EL HADJ) AG **DAON** CIV N35°01.00' W1°27.00' 814 UTC+1
H-9B, L-13C
RWY-07 L7 (8530x148 ASP PCN 52 F/A/W/T) L7 **RWY-25**
SERVICE - FUEL - (NC-A1)
REMARKS - Opr 0700-1500Z. **CAUTION** - Parking area slippery, skidding is possible. WIP,
men and eqpt present on rwy UFN.
COMMUNICATIONS - TLEMCEN TWR - 0600-1800Z++ 119.7
NAVAIDS - TLEMCEN DVORW-DME - HA 116.500 TLM CH 112 (200/50) N35°02.12'
W1°23.28' 255° 3.4 NM to Fld. 1001/1°24.2'W **TLEMCEN NDB** - HW 346.000 TLM
(180/26) N35°02.40' W1°22.07' 253° 4.3 NM to Fld. Unk/1°23.8'W

ZIELONA GORA, PL See BABIMOST

ZIGUINCHOR, SG **GOGG** CIV N12°33.34' W16°16.91' 75 UTC 0 **H-11B, L-19A**
RWY-10 L55 (5069x98 ASP) L43,55 **RWY-28**
SERVICE - FUEL - (NC-A1)
REMARKS - Opr 0700-1900Z wkld. Ngt O/R before 1200Z. Apch avbl Sun and hol O/R
before 1200Z prev day. **CSTMS/AG/IMG** - Avbl O/R 1 hr PN.
COMMUNICATIONS - TWR - 118.7 **REMARKS:** Opr 0700-1900Z Mon-Sat, OT 1 hr prior to
1200Z, Sun on req Sat prior to 1200Z. **RDO** - 5680
NAVAIDS - ZIGUINCHOR VORW - HA 112.500 ZG N12°33.45' W16°16.35' At Fld.
91/8°48.2'W **ZIGUINCHOR NDB** - HW 334.000 SZR N12°33.37' W16°16.01' At Fld.
134/8°48.0'W

ZILINA, LO **LZZI** CIV N49°13.89' E18°36.81' 1020 UTC+1(+2DT) **H-4E-6J, L-22F**
(B) **RWY-06** L7,34,50 (3773x98 CON PCN 45 R/B/X/T) L7,50 **RWY-24**
SERVICE - FUEL - (NC-100LL,J)
REMARKS - Opr 0600-1800Z++ Mon-Fri, OT PN 24 hr. **CSTMS/AG/IMG** - CSTMS avbl.
COMMUNICATIONS - TWR - (V) 124.15
NAVAIDS - ZILINA NDB - HHW 404.000 ZLA N49°12.17' E18°30.63' 064° 4.4 NM to Fld.
Unk/3°22.8'E

ZINDER, NG **DRZR** CIV N13°46.74' E8°59.03' 1516 UTC+1 **L-19C**
RWY-05 L6 (5988x98 ASP 737) L6 **RWY-23**
SERVICE - FUEL - (NC-100LL, A1)
REMARKS - Opr 0530-1730Z, OT avbl O/R.
COMMUNICATIONS - TWR - 118.3 **REMARKS:** Provides APP.

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NAVAIDS - ZINDER VORW - HA 116.200 ZR N13°46.23' E8°58.34' At Fld.
1509/0°55.2'W **ZINDER NDB** - MHW 264.000 IN N13°47.37' E8°59.87' At Fld.
1568/0°54.8'W

ZIRKU, (AL ZARQA ISLAND) AE **OMAZ** PVT N24°51.69' E53°04.67' 14 UTC+4
H-14G, L-18F
RWY-13 L7,9,43 (3937x98 ASP) L7,9,43 **RWY-31**
REMARKS - Opr HO. **CAUTION** - Bird haz.
COMMUNICATIONS - **RDO** - Opr-SR-SS (V) 129.75
NAVAIDS - ZIRKU NDB - HHW 275.000 ZKU N24°51.67' E53°04.75' At Fld. Unk/1°41.5'E

ZOFAR, IS **VORW-DME** - HA 115.600 ZFR CH 103 N30°33.50' E35°09.67' 100/(A)2°00.0'E
Fac rstd for use along ATC rte only. Cone eff ± 42°. **H-13A-14E-16G, L-16F**

ZOKNIAI, LH See SIAULIAI INTL

ZOUERAT, MR **VORW** - HA 112.700 ZRT N22°45.51' W12°27.69' Unk/5°30.0'W **NDB** -
HW 345.000 ZT N22°45.10' W12°28.35' Unk/5°30.3'W **H-11A, L-19A**

ZUETINA, LY **NDB** - MHW 369.000 ZUE N30°52.00' E20°05.00' Unk/2°18.0'E Opr O/R
H-10F, L-14G

ZURICH, SZ **LSZH** CIV N47°27.88' E8°32.95' 1416 UTC+1(+2DT) **H-6H-7C, L-6G-9B**
RWY-10 L4,7,20,50 (8202x197 CON PCN 60 R/B/W/T) L4,5,9,33,50 **RWY-28**
RWY-14 L3,4,5,33,50 (10827x197 CON PCN 60 R/B/W/T) L4,5,13,50 **RWY-32**
10337→
RWY-16 L3,4,5,33,50 (12139x197 CON PCN 60 R/B/W/T) L4,5,33,50 **RWY-34**
←10598

SERVICE - AOE **LGT** - PAPI Rwy 10 GS 3.5° MEHT 73', PAPI Rwy 28 GS 3.3° MEHT 64',
PAPI Rwy 32 GS 3.5° MEHT 92', PAPI Rwy 34 GS 3.3° MEHT 56'. **FUEL** - A1. (Air Total
Suisse) 0400-2300Z++, Fuel O/R after OPR hours. C 41-22-306-6681 (NC-100LL). **FLUID** -
De-icing req on 130.375 fr 0400-2230Z (Oct 01 - Apr 30).

REMARKS - **CAUTION** - Bright flood lgt slightly N of apch to RWY 28 at DME 1.5 KLO.

COMMUNICATIONS - **ATIS** - 128.525 **TERMINAL** - (R) (V) 127.75 (VFR flt within LSZH
TCA) **APP** - (R) 118.0 119.7 120.75 125.325 (118.0 EKRIT int) (120.75 SAFFA, RILAX int)
(125.325 Zurich Final, opr HX) **TWR** - (V) 118.1 119.7 120.225 (120.225 for apch to Rwy 14
and dep Rwy 32) **GND** - 121.9 118.1 119.7 **DEP** - (R) 125.95 **CLNC DEL** - 121.8
APRON - Opr 0400-2330Z++, exc for acft exm. 121.75 121.85 (121.75 S of Rwy 28) (121.85
N of Rwy 28)

NAVAIDS - KLOTEN DVORW-DME - L 114.850 KLO CH 95(Y) (050/25) N47°27.43'
E8°32.73' At Fld. 1410/0°51.4'E **ZURICH EAST DVORW-DME** - HA 110.050 ZUE
CH 37(Y) (040/50) N47°35.53' E8°49.06' 235° 13.3 NM to Fld. 1730/(A)0°00.0'E (80/50
300°-225°) **VHF/DF**

ILS/RADAR - **ILS** - SEE TERMINAL FLIP FOR ILS 14 DATA. ➔ **ILS-DME** - BRG 154° LCZR IZH
110.5 CH 42 GS 3°. ➔ **ILS-DME** - BRG 334° LCZR IZS 110.75 CH 44 GS 3.3°.

ZWARA, LY **HLZW/HL75** CIV N32°57.14' E12°00.93' 0 UTC+2 **H-10E, L-14F**
RWY-06 (5906x148 ASP) **RWY-24**

REMARKS - Opr SR-SS.

COMMUNICATIONS - **TWR** - 118.6

ZWEIBRUCKEN, GM **EDRZ** CIV N49°12.57' E7°24.04' 1133 UTC+1(+2DT)
H-6H, L-6G
(B) **RWY-03** L5,9,38,50 (9677x148 CON PCN 55 R/B/X/T) L5,9,38,50 **RWY-21**
8775→ ←8775
SERVICE - **FUEL** - (NC-100LL, A1)

B-480 AIRPORT/FACILITY DIRECTORY

REMARKS - Opr 0700-2100Z++ Mon-Fri; 0800-1800Z++ Sat, Sun, hol. **RSTD** - No trng apch 1100Z Sat-1900Z Sun and hol. OT PPR C06332-41807. **NS ABTMT** - Before 0600Z++, btn 1200-1400Z++, aft SS Mon-Fri. Before 0800Z++ and aft 1200Z++ Sat, Sun, hol. No ovft of villages in arpt vcnty. **CSTMS/IMG** - Avbl PPR 24 hr. Wkend and hol PPR last working day.

COMMUNICATIONS - INFO - 123.825 25 NM FROM GND TO 4000FT.

LANGEN RADAR - (R) (E) 129.675 258.85 373.8 **LANGEN INFO** - 123.525

NAVAIDS - ZWEIBRUCKEN VORW-DME - HA 114.800 ZWN CH 95 (060/50) N49°13.74' E7°25.07' 210° 1.4 NM to Fld. 1177/(A)0°00.0'E **ZWEIBRUCKEN DME** - T ZND CH 28 N49°12.56' E7°23.75' At Fld. 1201/0°27.7'E **ZWEIBRUCKEN NDB** - MHW 435.000 ZBN N49°13.66' E7°24.99' 210° 1.3 NM to Fld. Unk/0°28.1'E Crs fluctuations fr + 10 btn 3 NM and 8 NM. **VHF/DF**

ILS/RADAR - ➡ ILS - BRG 211° LCZR IZWW 109.35 GS 3° ➡ **ILS** - BRG 031° LCZR IZWE 108.35 GS 3°

THEATER FLIGHT DATA/PROCEDURES C-1

SECTION C

THEATER FLIGHT DATA/PROCEDURES

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C-2 THEATER FLIGHT DATA/PROCEDURES

ADIZ PROCEDURES

1. FINLAND ADIZ

a. For non-scheduled flights, intended to be operated within the air defense identification zone (ADIZ) along the Finnish border over land and sea, a flight plan shall be submitted so as to reach the appropriate ACC not later than one hour before entering the ADIZ or first take-off within the ADIZ. This time restriction is, however, not applicable to flights along the ATS routes published by Finavia or flights for which the appropriate ATS unit separately approves a shorter time limit. Additionally, prior permission from the Finish Civil Aviation Authority is required.

b. Flight plans submitted for non-scheduled flights entering Finnish territory via Swedish or Norwegian FIRs outside the designated ATS routes, shall be submitted so that they reach the appropriate ACC at least two hours before the estimated crossing of the state border over land or water.

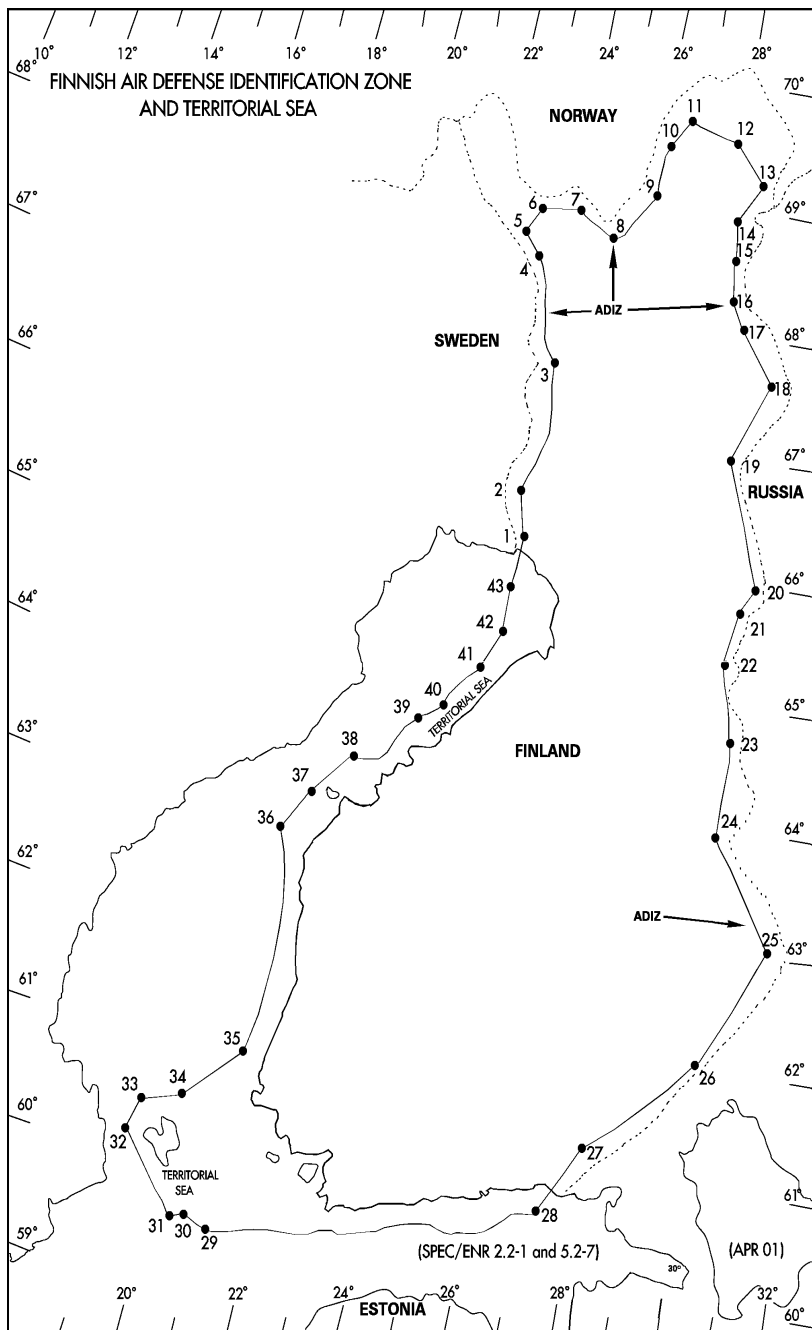
c. A flight plan submitted during flight shall be submitted to the nearest ATS unit in operation or to the appropriate ACC.

(AIP ENR 1.10-2)

FINNISH IDENTIFICATION ZONE

1	N66°57' E24°27'	23	N64°03' E30°09'
2	N66°20' E24°07'	24	N63°44' E29°36'
3	N67°31' E24°04'	25	N62°53' E31°15'
4	N68°05' E23°49'	26	N61°15' E29°07'
5	N66°20' E23°08'	27	N60°47' E27°46'
6	N68°30' E23°13'	28	N60°22' E27°30'
7	N68°35' E24°16'	29	N59°35' E22°34'
8	N68°25' E24°55'	30	N59°36' E20°51'
9	N68°53' E26°06'	31	N59°31' E20°26'
10	N69°33' E26°20'	32	N60°14' E19°13'
11	N69°46' E27°05'	33	N60°36' E19°21'
12	N69°42' E28°12'	34	N60°43' E20°06'
13	N69°30' E28°57'	35	N61°11' E21°01'
14	N69°10' E28°12'	36	N63°09' E20°19'
15	N68°52' E28°00'	37	N63°25' E20°43'
16	N68°41' E28°18'	38	N63°34' E21°34'
17	N68°35' E28°01'	39	N63°47' E21°54'
18	N67°38' E29°36'	40	N64°22' E23°19'
19	N66°56' E28°36'	41	N64°56' E24°16'
20	N65°48' E29°49'	42	N65°16' E24°33'
21	N65°43' E29°25'	43	N65°41' E24°21'
22	N64°59' E29°17'		

THEATER FLIGHT DATA/PROCEDURES C-3



C-4 THEATER FLIGHT DATA/PROCEDURES

2. ICELAND ADIZ

(NAVFIC/CO, ICELAND DEFENSE FORCE)

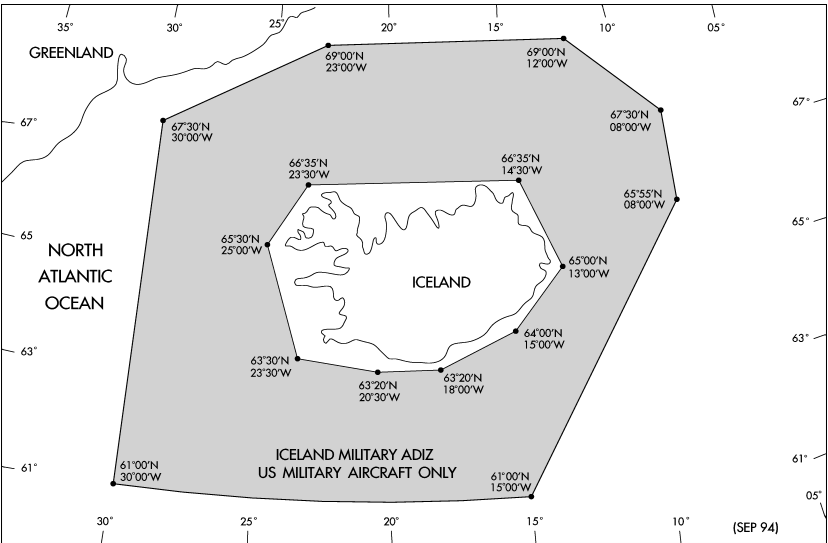
- a. The Commander, Iceland Defense Force has established an ADIZ over the coastal waters of Iceland. The free portion of the ADIZ is restricted to military aircraft only during an Air Defense Emergency.
- b. EMERGENCY PROCEDURES-Flight plans will not be changed in flight to provide initial entry unless in emergency. If such a change is necessary, report to the USAF Flight Service and/or an Iceland aeronautical facility as soon as possible.
- c. OPERATING INSTRUCTIONS

(1) Filing of Flight Plans-File a DVFR or IFR flight plan before take-off if the flight penetrates or operates in the ADIZ. Military aircraft leaving joint use airports on a DVFR flight plan will insure the initial contact is passed to the civil facility by using the phrase "DVFR" to (destination). If a flight plan cannot be maintained, contact the ACC and transmit the corrected information.

NOTE: Flight plans will not be submitted enroute to provide for entry or operating permission within the ADIZ. Ground-filed IFR or DVFR flight plans may be changed enroute if the flight plan has not changed before the point of change is reached.

(2) Position Reports:

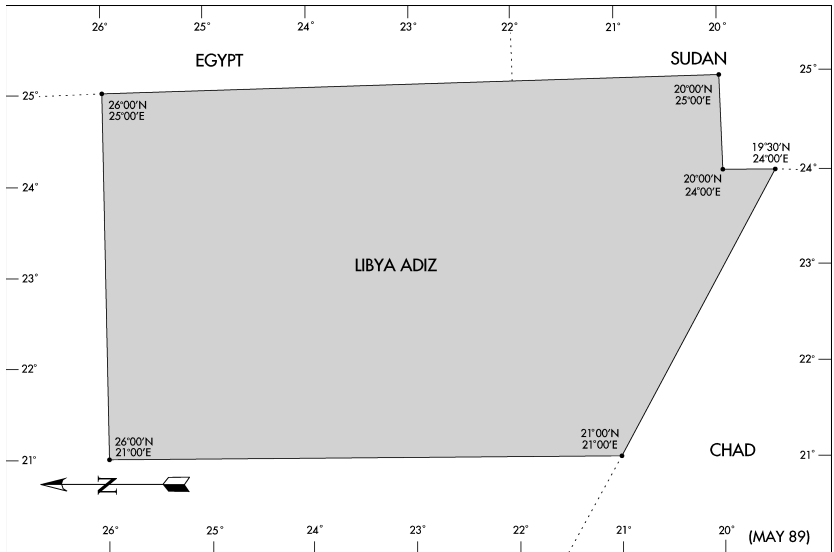
- (a) Standard position reports will be made outside the ADIZ. If this is not possible, altitudes, position and estimated entry time will be reported 15-30 minutes before entry.
- (b) Position reports will be made as required or at least every hour within the ADIZ, using reporting points whenever possible.
- (3) Allowable deviations from ADIZ flight plan on Air Traffic Clearance-Aircraft must pass reporting or penetration points within 5 minutes of ETA, must not exceed 20 NM from center line of proposed route, and make no altitude deviations unless an amended air traffic clearance is obtained. If no clearance is needed for the flight, prior notice must be given to the ACC before changing altitudes. Normal descent may begin within a reasonable distance of the point of intended landing if the flight requires no clearance.



THEATER FLIGHT DATA/PROCEDURES C-5

3. LIBYA ADIZ - All aircraft must contact Kufra Tower 121.9 121.5 or Tripoli ACC/FIC 11300 or 5658 at least 15 minutes prior to entry, reporting call sign, position, flight level and estimated ADIZ boundary time.

(SPEC/CL II NOTAM A009-91)



4. RADAR ASSISTANCE WITHIN AIR DEFENSE IDENTIFICATION ZONES

a. Emergency RADAR assistance is available on a 24-hour basis to identified aircraft within the limits of any Air Defense Identification Zone. The military RADAR system can at the discretion of the operator, provide the following services to aircraft; track, ground speed checks, position and bearing to the nearest airport or other designated points. Canadian military assistance provides bearing in degrees true. The RADAR assistance provided is advisory only and does not absolve the aircraft commander of the responsibility for safe navigation of the aircraft and compliance with air traffic control clearance or other required procedures.

b. Contact the Region Operation Control Center (ROCC) on frequencies 121.5 and 243.0. In the Domestic ADIZ, 364.2 is also available. Example: "RADAR Assistance," aircraft call sign. Subsequent calls should address the specific ROCC answering the initial call.

(USAF FSA/USAF FSA)

CRUISING ALTITUDES

1. MAXIMUM AUTHORIZED ALTITUDE/MAA - FAA AREAS - A published altitude representing the maximum usable altitude or Flight Level for an airspace structure or route segment. It is the highest altitude on a Federal airway, jet route, area navigation low or high route, or other direct route for which a Minimum Enroute Altitude is designated at which adequate reception of navigation aid signals is assured.

Example: The establishment of an MAA at 40,000' MSL means that adequate reception on a jet route so designated is assured up to, and including 40,000' MSL.

C-6 THEATER FLIGHT DATA/PROCEDURES

c. **FOREIGN AREAS** - Maximum authorized altitudes denote the highest altitude allowed along an airway, air route, corridor, etc. In this area, MAAs are established by national states for various reasons to restrict flight above designated altitudes.

2. MINIMUM RECEPTION ALTITUDE/MCA - The lowest altitude at certain fixes at which an aircraft must cross when proceeding in the direction of a higher Minimum Flight Altitude (MFA). A climb to these altitudes before reaching the point is mandatory.

3. MINIMUM ALTITUDE/MFA (NGA) - A Minimum Flight Altitude is normally the lower vertical limit of an ATS route. FLIP Enroute Charts that require the depiction of vertical limits along an ATS route segment will not be required to show any additional MFA value (unless a host nation publishes an MFA higher than the lower vertical limit). Charts requiring the depiction of the MFA value only, will publish the lower limits of the ATS route (or the host country MFA) as the MFA. If a host country does not publish or provide NGA with an ATS route vertical limit or MFA, then NGA will compute and publish an MFA assuring 3000' terrain clearance within 5 NM of the ATS route centerline.

NOTE: NGA MFA value will be preceded by a pound number sign (#) to indicate a NGA derived MFA.

4. MINIMUM RECEPTION ALTITUDE/MRA - The lowest altitude required to receive adequate signals to determine specific VHF omnirange/tactical air navigation fixes.

5. ADVISORY ROUTES/ADR - A route within a Flight Information Region along which Air Traffic Advisory Service is available.

NOTE 1: Air Traffic Control service provides a much more complete service than Air Traffic Advisory Service; Advisory Areas and Routes are therefore not established within controlled airspace, but Air Traffic Advisory Service may be provided below and above Control Areas.

NOTE 2: ADRs are numbered with odd numbers indicating N & S and even numbers E & W. When flying ADRs, entry clearance into control areas must be obtained. ADRs do not meet criteria for controlled air routes. They are never controlled and only information service is provided. Pilots are responsible for flying correct flight levels, and national agencies will provide positive traffic information based only on known traffic. Standard airway reporting procedures must be followed by U.S. military pilots, and reports made when leaving and arriving chosen altitude.

NOTE 3: This does not mean all aircraft are utilizing the positive advisory service; therefore, collision hazards still exist.

6. FLIGHT LEVELS (FL) - Surfaces of constant atmospheric pressure which are related to a specific pressure datum, 29.92 inches (1013.2 millibars), and are separated by specific pressure intervals.

NOTE 1: A pressure type altimeter calibrated in accordance with the standard atmosphere:

- a. When set to a QNH altimeter setting will indicate altitude above mean sea level (True Altitude);
- b. When set to a QFE altimeter setting will indicate height/altitude above the aerodrome providing the setting (Absolute Altitude);
- c. When set to a QNE altimeter setting, 29.92 Inches (1013.2 millibars), will indicate altitude above Standard Datum Plane (Pressure Altitude).

NOTE 2: The terms height and altitude, used in NOTE 1 above, indicate altimetric rather than geometric heights and altitudes.

THEATER FLIGHT DATA/PROCEDURES C-7

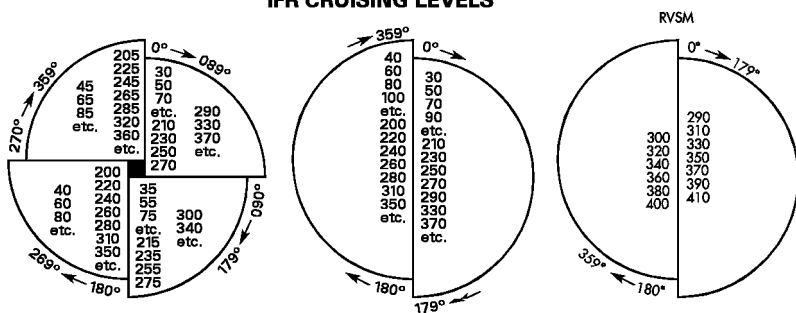
7. LOW TEMPERATURE ERROR - Extreme low temperatures will cause serious errors in indicated altitude. It is suggested that the next higher altitude than normal, appropriate to direction of flight, be requested on routes with minimum flight altitudes greater than 5000'.

- At 13,000'; with a temperature of -40°F an aircraft may be 1500' lower than indicated altitude.
- At 10,000'; with a temperature of -30°F an aircraft may be 1000' lower than indicated altitude.

NOTE: See FIH, Section D Conversion Tables, Temperature Correction Chart for a comprehensive listing of temperature errors.

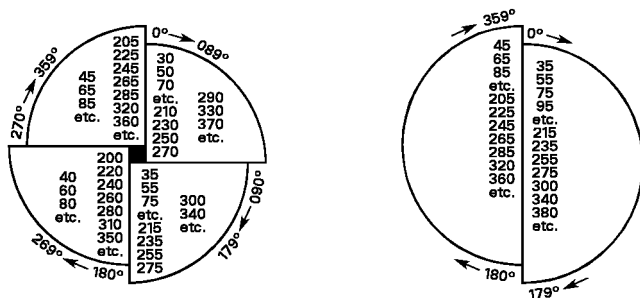
8. CRUISING ALTITUDES DIAGRAMS -

IFR CRUISING LEVELS



See Planning for additional RVSM cruising level information.

VFR CRUISING LEVELS



C-8 THEATER FLIGHT DATA/PROCEDURES

NO-NOTAM PREVENTIVE
MAINTENANCE PROCEDURES

NOTAM action is not required when performing routine preventive maintenance as indicated. Equipment will be immediately returned to operation or NOTAM action taken if weather conditions deteriorate below ceiling or visibility requirements or if service directives time periods are exceeded. Also, NOTAM action will be taken if equipment cannot be returned to operation within the specified time period.

(AFFSA IFC/AFFSA IFC)

USA/USN - Locations with two or more instrument approach aids, ceiling 3000, visibility 5 SM; locations with a single instrument approach aid, sky condition scattered, visibility 5 SM.
(NAVFIG/NAVFIG FIL)

USAF - "USAF - "USAF - Preventive Maintenance Inspection, (PMI) Maintenance Period (MP) Schedules are published under applicable NAVAID, ILS/RADAR or Terminal FLIP RADAR Minima listings. Associated weather criteria, other than 3000' ceiling, 5 statute mile visibility forecast during MP plus one hour, is reported as part of the schedule. For example, (1500/3+1) where 1500 is the ceiling in feet, 3 is the visibility in statute miles and +1 (plus one) indicates forecast during maintenance period plus one hour."
(USAF IFC/USAF IFC)

AERODROME AVAILABILITY/WEATHER
STATE-COLOR CODES

UK COLOR CODED WX CONDITIONS

(RAF F1H)

SURFACE VISIBILITY RN/RAF Km (nm)	BASE OF LOWEST CLOUD LAYER 3/8 (SCT) or more	Color
8 (4.3)	2500 ft AGL	Blue
5 (2.7)	1500 ft AGL	White
3.7 (2)	700 ft AGL	Green
1.6 (0.9)	300 ft AGL	Yellow*
0.8 (0.4)	200 ft AGL	Amber
Less than 0.8 (0.4)	Below 200 ft AGL or sky obscured	Red
Aerodrome not usable for reasons other than cloud or visibility minima. Black will precede actual color code.		Black

* At HQ 1-3 and RN airfields, color code Yellow is sub-divided as follows:

Yellow 1: Visibility 2.5 km (1.4 NM), base of lowest cloud 500 ft.

Yellow 2: Visibility 1.6 km (0.9 NM), base of lowest cloud 300 ft.

THEATER FLIGHT DATA/PROCEDURES C-9

USAFE WEATHER COLOR CODES CONDITIONS

(US AFEIFC)

USAFE Wx Color Code	ENCODE and Disseminate as	CEILING Equal to or More Than (5/8 or more cumulative coverage):	PREVAILING VISIBILITY Equal to or More Than:
BLUE	BLU	2500 ft	8000 meters
WHITE	WHT	1500 ft	5000 meters
GREEN	GRN	700 ft	3700 meters
YELLOW	YLO	300 ft	1600 meters
AMBER	AMB	200 ft	0800 meters
RED	RED	less than 200 ft	less than 0800 meters
BLACK	BLACK	Airfield not usable for reasons other than Ceiling or Visibility	

ARMED FORCES RADIO STATIONS (AFRS)

NAME	FREQUENCY	COORDINATES
Ansbach	1485	N49°19' E10°39'
Bad Kissingen	1143	N50°12' E10°05'
Bamberg	1143	N49°53' E10°55'
Bitburg	1143	N49°57' E06°33'
Frankfurt	873	N50°11' E08°37'
Giessen	1143	N50°36' E08°42'
Grafenwohr	1107	N49°43' E11°57'
Heidelberg	1143	N49°26' E08°38'
Hohenfels	1485	N49°13' E11°50'
Kaiserslautern	1107	N49°30' E07°43'
Moenchen Gladbach	1143	N51°10' E06°24'
Regensburg	1485	N49°00' E12°06'
Schweinfurt	1143	N50°03' E10°12'
Stuttgart	1143	N48°50' E09°02'
Wurzburg	1143	N49°47' E09°56'

(USAASDE/USAASDE)

ARMY VFR FLIGHT FOLLOWING

1. GENERAL - To supplement the present Army air traffic system service provided by US Army Flight Operations Detachment (AFOD), the 3rd ATC Bn/58th Aviation Regiment operates USA tower facilities within Germany which will provide Army VFR enroute flight following on request.

(WCL 33-93)

a. To obtain VFR flight following, the aviator initiates a radio call, when airborne, to the nearest ATC facility giving:

(1) Last five digits of A/C serial number.

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- (2) Type acft.
 - (3) Type flight plan (DD Form 1801 or Local).
 - (4) Departure point and time.
 - (5) Point of first intended landing.
 - (6) ETA.
 - (7) Route of flight if other than direct.
- b. An aviator utilizing this service will:
- (1) Render a position report every 30 minutes or as directed.
 - (2) Report arrival at intermediate stops.
 - (3) Report TIME-OFF when leaving from intermediate stops.
 - (4) Report "Destination Termination" or frequency change.
- c. Aviators on 1801 Flight Plans will make position reports using US Army facilities. If contact is not possible with US Army facilities, aviators will utilize appropriate German FIS or nearby NATO facility. FIR boundaries and FIS frequencies are contained in DoD FLIP Enroute Low Altitude Charts.
- d. Transmission of ATC messages to AFOD by civil ATC agencies must be requested by the aviator.

GERMAN FLIGHT RESTRICTIONS/ PROCEDURES WITH DEFINED AIRSPACE

1. FLIGHTS EAST OF THE DECONFLICTION LINE (DL)

- a. The DL is depicted on the DOD ENAME High/Low Enroute Charts and determined by the following coordinates:
- N54°17.00' E11°36.00' - N54°06.45' E10°39.50' -
N53°47.00' E10°30.00' - N53°15.30' E10°30.00' -
N53°07.00' E10°40.00' - N52°38.00' E10°30.00' -
N52°23.00' E10°41.00' - N52°16.00' E10°42.00' -
N51°41.00' E10°05.00' - N51°25.00' E09°40.00' -
N50°56.00' E09°48.50' - N50°34.00' E09°44.00' -
N50°19.00' E10°13.00' - N50°04.00' E10°30.00' -
N50°07.00' E12°12.00'.
- b. All military flights of foreign armed forces east of the DL are subject to authorization. Requests have to be submitted to FVIOD - Armed Forces Staff II 5 stating the type of training/exercise, time period and location of training/exercise, personnel strength and the type of weapons carried. These requests must be sent at least 5 working days in advance. Exceptions:
- (1) QRA (1) flights of NATO air defense (A-scramble)
 - (2) E-3A-flights

NOTE: All US Aircrews for flights East of the DL consult the Foreign Clearance Guide (FCG) for requirements. The FCG can be accessed at <http://www.fcg.pentagon.mil/fcg/gm.htm>.

(SPEC/MIL ENR 5.1-13)

THEATER FLIGHT DATA/PROCEDURES C-11

2. Flights in the German Coastal Area

a. The coastal area includes the tidal flat area of the North Sea, the island of Helgoland/Helgoland Dune up to a border running 3 NM seaward and parallel to the island, as well as the area between the continental coastline of the Baltic Sea and a line running at least 3 NM seaward and parallel to this coastline. This area is depicted on the DOD ENAME High/Low Enroute Charts. The coastal area of the North Sea is the area between the border of the low flying area "Federal Republic of Germany" and a line defined by the following coordinates:

N55°04.00' E08°20.00' - N54°44.00' E08°11.00' -

N54°05.00' E08°36.00' - N53°52.00' E08°08.00' -

N53°38.00' E06°31.00'.

b. VFR flights in the coastal area shall not be conducted below a height of 3000 ft AGL for jet aircraft, 2000 ft AGL for prop aircraft, and 1000 ft AGL for helicopters. Flights at lower levels are only permitted:

(1) to underfly Sonderborg airspace D, which, on principle, shall be performed at an altitude of not less than 1700 ft MSL and a speed of not more than 360 KIAS.

(2) to maintain VMC during transit flights direct to the open sea/to the mainland, but not below 1000 ft GND and not to exceed 360 KIAS; outside daytime low-level flying operating hours overflights of inhabited islands shall not be performed below 1500 ft AGL.

(3) to accomplish missions in this area ordered by GERMAN AIR FORCE COMMAND or GERMAN

(4) Flights below 1000 ft GND/MSL are prohibited:

(a) except to perform published approach and departure procedures.

(b) in case of air defense security flights (A-Scrambles).

(c) for flights to/from/on air-to-ground ranges in the coastal area in accordance with procedures published in the Range LOP.

c. The use of chaff/flares over the sea of the territory of the Federal Republic of Germany is only permitted seawards of the boundaries of the coastal area on the aeronautical charts, if it is excluded that the chaff/flares come down on islands.

(SPEC/MIL ENR 5.1-14)

3. Flights in the Baltic Area

a. If during flights in the Baltic area doubts exist as to the aircraft's position or there is a danger of unauthorized entry into the airspace of another state, a heading shall be assumed immediately leading away from the coast of that state at right angles to the open sea.

b. Entry into the territory of the Federal Republic of Germany in the Berlin FIR/UIR is permitted for Bundeswehr aircraft only.

(SPEC/MIL ENR 5.1-14)

C-12 THEATER FLIGHT DATA/PROCEDURES

GERMAN DECONFLICATION LINE	GERMAN AND BALTIC COASTAL AREAS
1 N54°17'00" E11°36'00" 2 N54°06'45" E10°39'50" 3 N53°47'00" E10°30'00" 4 N53°15'30" E10°30'00" 5 N53°07'00" E10°40'00" 6 N52°38'00" E10°30'00" 7 N52°23'00" E10°41'00" 8 N52°16'00" E10°42'00" 9 N51°41'00" E10°50'00" 10 N51°25'00" E09°40'00" 11 N50°56'00" E09°48'50" 12 N50°34'00" E09°44'00" 13 N50°19'00" E10°13'00" 14 N50°04'00" E10°30'00" 15 N50°07'00" E12°12'00"	<p>The coastal area includes the tidal flat area of the North Seas, the island of Helgoland/Helgoland Dune up to a border running 3 NM seaward and parallel to the island, as well as the area between the continental coastline of the Baltic Sea and a line running at least 3 NM seaward and parallel to this coastline.</p> <p>As a matter of principal, VFR flight with jet aircraft in the coastal area shall not be conducted below a height of 3000' AGL. Flights at lower levels are permitted:</p> <ul style="list-style-type: none"> - to maintain VMC - to perform approach and departure procedures and alert procedures - to accomplish missions ordered by Bundeswehr Major Commands/ Commands in the respective area - in case of air defense security flights - in case of flights to/from/on air-to-ground ranges in the coastal area.
Allied aircraft/aircrews refer to Theater Flight Data/ Procedure in ENAME Enroute Supplement, Section C for German Deconfliction. Line Operating Procedures.	



C-14 THEATER FLIGHT DATA/PROCEDURES

4. FLIGHTS IN THE AREA BORDERING ON AUSTRIA AND SWITZERLAND

- a. To avoid violations of the borders of Austria and Switzerland by military aircraft, the following off-border line shall not be overflown by jet and prop aircraft at any altitude to the south:

N47°40.67' E07°31.33' - N47°45.00' E08°15.00' -
N47°52.67' E08°23.83' - N47°53.00' E08°51.00' -
N47°37.00' E09°51.00' - N47°36.00' E10°47.00' -
N47°38.00' E10°51.00' - N47°36.00' E11°00.00' -
N47°35.00' E11°18.00' - N47°46.00' E11°55.00' -
N47°50.00' E12°44.00' - N48°08.00' E12°42.00' -
N48°19.00' E12°49.00' - N48°22.00' E13°08.00' -
N48°25.00' E13°15.00' - N48°39.00' E13°21.00' -
N48°43.00' E13°40.00' - N48°53.00' E13°42.00' -

- b. Exceptions:

- (1) Security flights, if performed under continuous radar control.
- (2) Coordinated reaction flights for air defense above the low-flying band (Switzerland Only)
- (3) IFR flights conducted on ATS routes or upper ATS routes and the performance of published instrument approach and departure procedures.
- (4) Calibration flights up to a minimum distance of 1 NM to the border.
- (5) Forward air controller missions if the following conditions are met:
 - (a) Maintenance of a minimum distance of 2 NM to the border.
 - (b) Flight visibility 8 km.
 - (c) Initial point shall be north of the off-border line.
 - (d) The mission shall not be accomplished if radio communication between forward air controller and the aircraft fail at the initial point.
 - (e) The mission is ordered by the CAOC responsible for the respective unit after coordination with GAF Command.
 - (f) Prior the mission, the Federal Armed Forces Airforce Office Flight Operations Division shall be informed by GAF Command on the daily mission planning.
- (6) Flights to Friedrichshafen Airport:
 - (a) For landing only.
 - (b) In justified individual cases only.
- c. Prop Aircraft:
 - (1) Bundeswehr Commands may issue exceptions for prop aircraft. However these exceptions shall be limited to a degree indispensable for operational training tasks.
 - (2) Exceptions shall be directed in writing. The GAFO shall be informed in each case.
(SPEC/MIL ENR 5.1-15)
- d. Helicopters
 - (1) Helicopters shall maintain a distance of 1 NM to the border except:
 - (a) SAR missions.
 - (b) Flights directed by the Commands.

THEATER FLIGHT DATA/PROCEDURES C-15

(2) Flights at a distance of less than 1 NM from the border shall be conducted IAW regulations issued by competent commands.

e. Flights under diplomatic clearance for the purpose of entering the territory of Austria or Switzerland are exempt from the above mentioned restrictions.

(SPEC/MIL ENR 5.1-16)

NORTH AMERICAN ROUTES FOR NORTH ATLANTIC TRAFFIC (NAR)

NAR descriptions are published in the Canada Flight Supplement.

RADAR ADVISORY SERVICE

MILITARY RADAR ADVISORY SERVICE AREAS EUROPE AND ICELAND

Navigational assistance is available 24 hours daily except where indicated. See graphic index of RADAR service areas. Remarks which apply to more than one RADAR service area are footnoted and shown in the Remarks.

BRIZE NORTON (RAF) - See Airport Facility Directory.

LOKI - (E) 364.2 GCI

POLESTAR - (E) 118.1 122.2 364.2 GCI

REDPIPE - (E) 138.1 317.5 GCI-GCA

SCEPTIC - (E) 138.1 317.5 GCI-GCA

VIPER - (E) 123.3 317.5 GCI-GCA

YANKEE - (E) 123.3 317.5 GCI-GCA

YEOVIL RADAR (RN) - (E) 127.35 369.875 See Airport Facility Directory.

NUMBERED AREAS:

2 ROUNDUP (GAF) - (E) 364.2

3A MINDREADER (GAF) - (E) 364.2

3B LONESHIP (GAF) - (E) 364.2

4 SUNRISE (GAF) - (E) 364.2

5A COLDTRACK (GAF) - (E) 364.2

5B SWEETAPPLE (GAF) - (E) 364.2

6 DUTCH MIL (RNLAf) - See Airport Facility Directory.

7 SEMMERZAKE (BELGA) - See Airport/Facility Directory.

9 RIESLING (FAF) ③ - (E) 143.55 ② 317.5 139.325x 313.5x 339.825x 383.225x 386.675x 396.875x 398.15x

10 RAMBERT (FAF) ③ - (E) 143.55 ② 317.5 140.875x 244.45x 260.25x 262.875x 315.9x 338.1x 377.675x

11 RHODIA (FAF) ③ - (E) 143.55 ② 317.5 141.575x 250.0x 313.45x 368.875x 375.4x 379.8x (As directed call MARIUS 231.325 258.05). Opr 0800-1600Z++ Mon-Thu, 0800-1500Z++ Fri. OT ctc RAMBERT.

12 MARINA (FAF) ③ - (E) 143.55 ② 317.5 140.9x 264.7x 277.85x 292.55x 357.745x (As directed call MARENGO 141.8 235.15 275.375 278.35 369.85).

14 RAKI (FAF) ③ - (E) 143.55 ② 317.5 142.325x 296.775x 308.825x 312.475x 337.925x (As directed call MENHIR 284.125 378.825).

17 PLOPPO ④ - (E) 258.45 364.2

17A PRIMO DAILY OPS (USAFE) - (U) 389.0

SPEEDY - (U) 246.925 290.45 285.075 365.25 Opr 0700-1600Z++ Mon-Fri exc hol. ① VFR flt only.

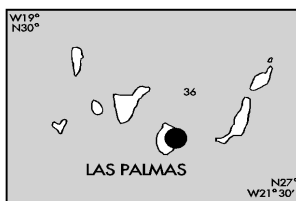
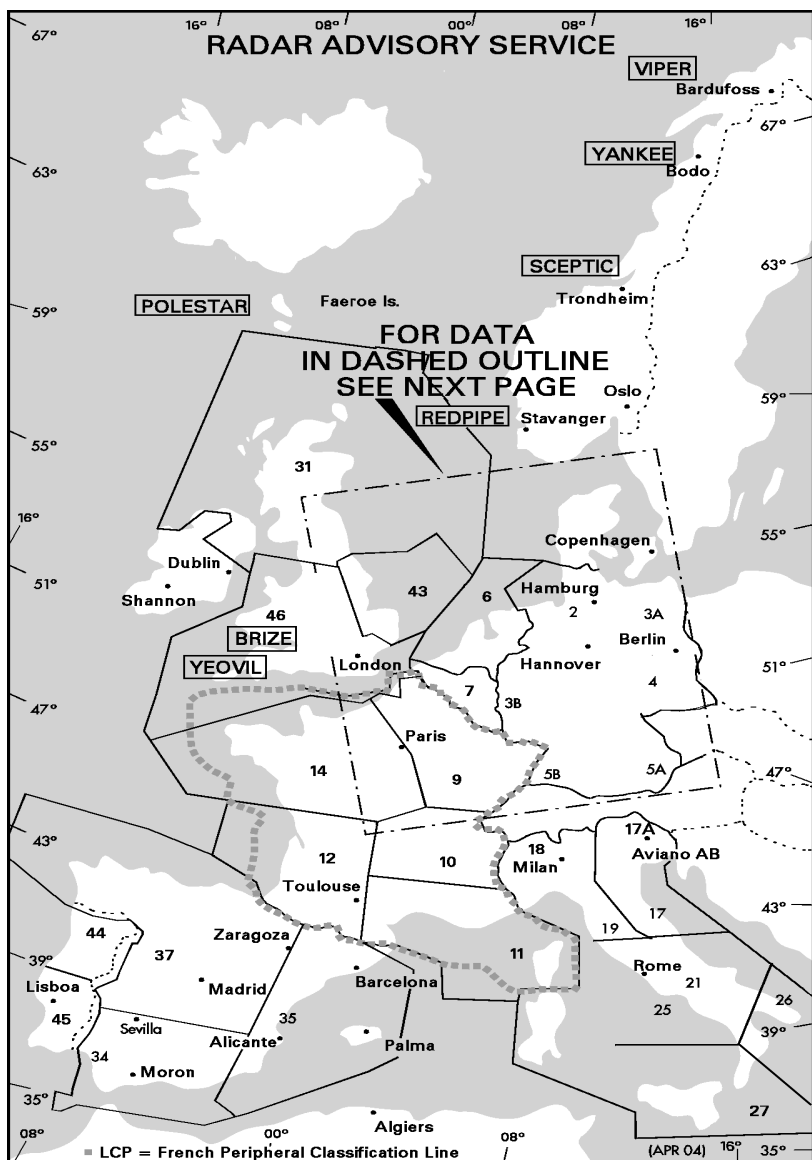
18 QUERCIA/PIOPPO ④ - (E) 258.45 364.2

C-16 THEATER FLIGHT DATA/PROCEDURES

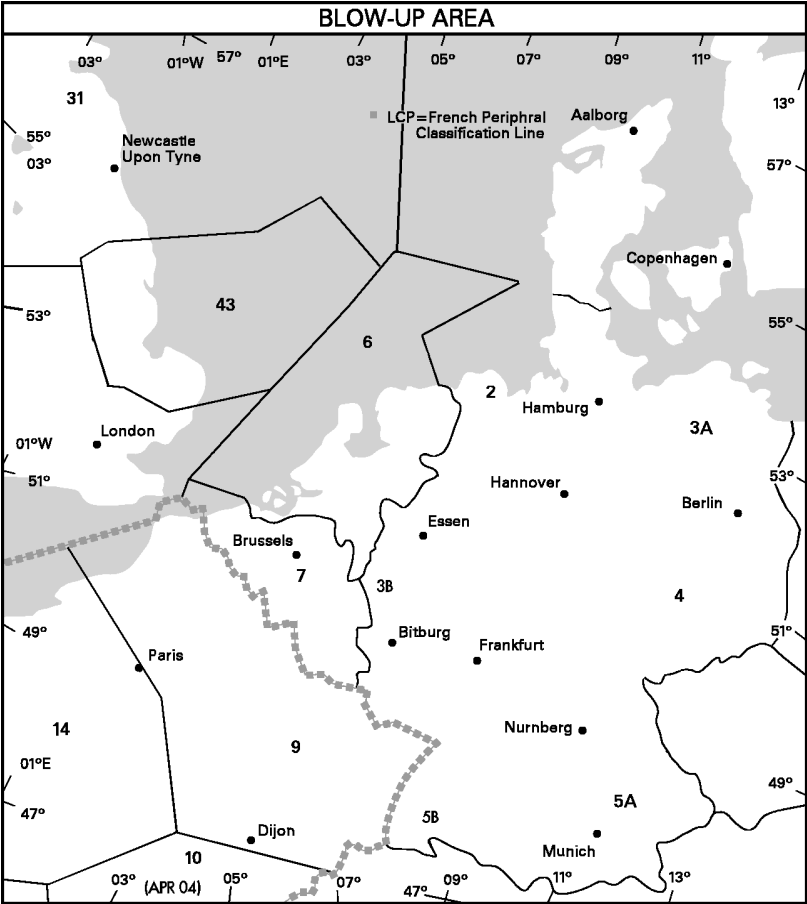
- 19 **QUERCIA** ④ - (E) 258.45 364.2
21 **BARCA/QUERCIA** ④ - (E) 258.45 364.2
25 **BARCA** ④ - (E) 258.45 364.2
26 **VOLPE/BARCA** ④ - (E) 258.45 364.2
27 **CAMPO** ④ - (E) 258.45 364.2
31 **SCOTTISH MIL** - See Airport Facility Directory
34 **SEVILLA (SAF)** ⑤ - (E) 137.150 138.650 143.900 299.900 291.575 291.775
35 **BARCELONA (SAF)** ⑤ - (E) 137.125 137.200 263.500 276.775
36 **CANARIAS (SAF)** ⑤ - (E) 138.125 133.225 376.525 368.600 336.200
37 **MADRID (SAF)** ⑤ - (E) 141.700 138.225 138.125 247.150 291.625 307.800
43 **LONDON MIL EAST (RAF)** - See Airport Facility Directory, LONDON ATCC (MIL)
44 **ZANAGA** - (E) 143.65 135.0 143.2 317.5 364.2 GCI-GCA to Montijo, Monte Real and Ovar
45 **BATINA** - (E) 143.65 135.0 317.5 364.2 GCI-GCA to Montijo, Monte Real and Ovar
46 **LONDON MIL WEST (RAF), including London Joint Area Organization (LJAO)** - See Airport/Facility Directory and AP/2.

REMARKS - ①Units subject to random operational releases and periodic tactical deployments. If radio contact cannot be readily established, contact adjacent RADAR facility. ②LCP Line contact. To be used by non UHF aircraft. ③All military aircraft on an OAT or GAT VFR flight plan penetrating the French Peripheral Classification Line (LCP) towards the interior of France must establish radio contact with appropriate control agency giving call sign, US Authorization number, Position, Destination, Heading and Altitude. Minimum LCP crossing altitude is 1500' AGL. ④For Radar Flight following service in Italy call for "TUGRIT SERVICE", with area identification. Radar controller will answer with his call sign. ⑤Give approximate location when calling for assistance. No ATC responsibility exercised or authorized. RADAR advisory service provided only as available. Limited English capability.

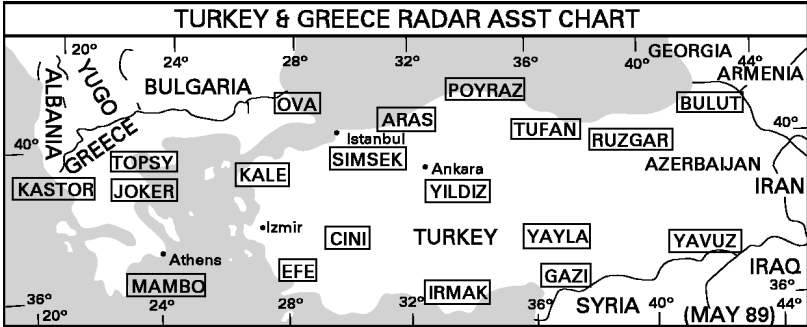
THEATER FLIGHT DATA/PROCEDURES C-17



C-18 THEATER FLIGHT DATA/PROCEDURES



TURKEY AND GREECE RADAR ASSISTANCE



THEATER FLIGHT DATA/PROCEDURES C-19

Navigational assistance is available 24 hours daily. See above for graphic index of RADAR service areas.

KAISTOR-	129.8	(E)
JOKER-	129.8	(E)
TOPSY-	129.8	(E)
MAMBO-	129.8	(E)
KRONOS		
(EAST CRETE)-	129.8	(E)
OVA-	364.2 123.1	(E)
KALE-	364.2 123.1	(E)
EFE-	364.2 123.1	(E)
SIMSEK-	364.2 123.1	(E)
CINI-	364.2 123.1	(E)
ARAS-	364.2 123.1	(E)
YILDIZ-	364.2 123.1	(E)
RUZGAR-	364.2 123.1	(E)
YAYLA-	364.2 123.1	(E)
GAZI-	364.2 123.1	(E)
BULUT-	364.2 123.1	(E)
IRMAK-	364.2 123.1	(E)
YAVUZ-	364.2 123.1	(E)
POYRAZ-	364.2 123.1	(E)
TUFAN-	364.2 123.1	(E)

REMARKS: Greece-GCI-GCA available. Turkey-GCI-GCA capability unknown. Pilots desiring RADAR service should make initial contact using collective call sign "TUGRIT SERVICE" for assistance in both Greece and Turkey. In Greece make initial call on 129.8, 121.5. In Turkey make initial call on 364.2, 123.1, 121.5, 243.0. RADAR controller will answer with his specific call sign.
(TU AIP RAC 3-4-1/3-4-2, and GREECE, JUSMAG MSG)

UK LOWER AIRSPACE RADAR SERVICE (LARS)

1. AVAILABILITY

- To all aircraft in uncontrolled airspace.
- Up to FL 95 within approximately 30 NM of a participating unit.
- Normally 0800-1700Z++ Monday-Friday, other times call for service. If no reply after 3 consecutive calls, assume service unavailable.
- Information on other times from; N of 54 30N, Scottish ATCC (MIL). S of 54 30N, London ATCC (MIL).

2. PROCEDURES

- When within 40 NM contact the RADAR unit on its primary approach frequency. When communication is established, the following information is to be passed:
 - Call sign and type of aircraft.
 - Position.
 - Heading.
 - Flight level or altitude.

C-20 THEATER FLIGHT DATA/PROCEDURES

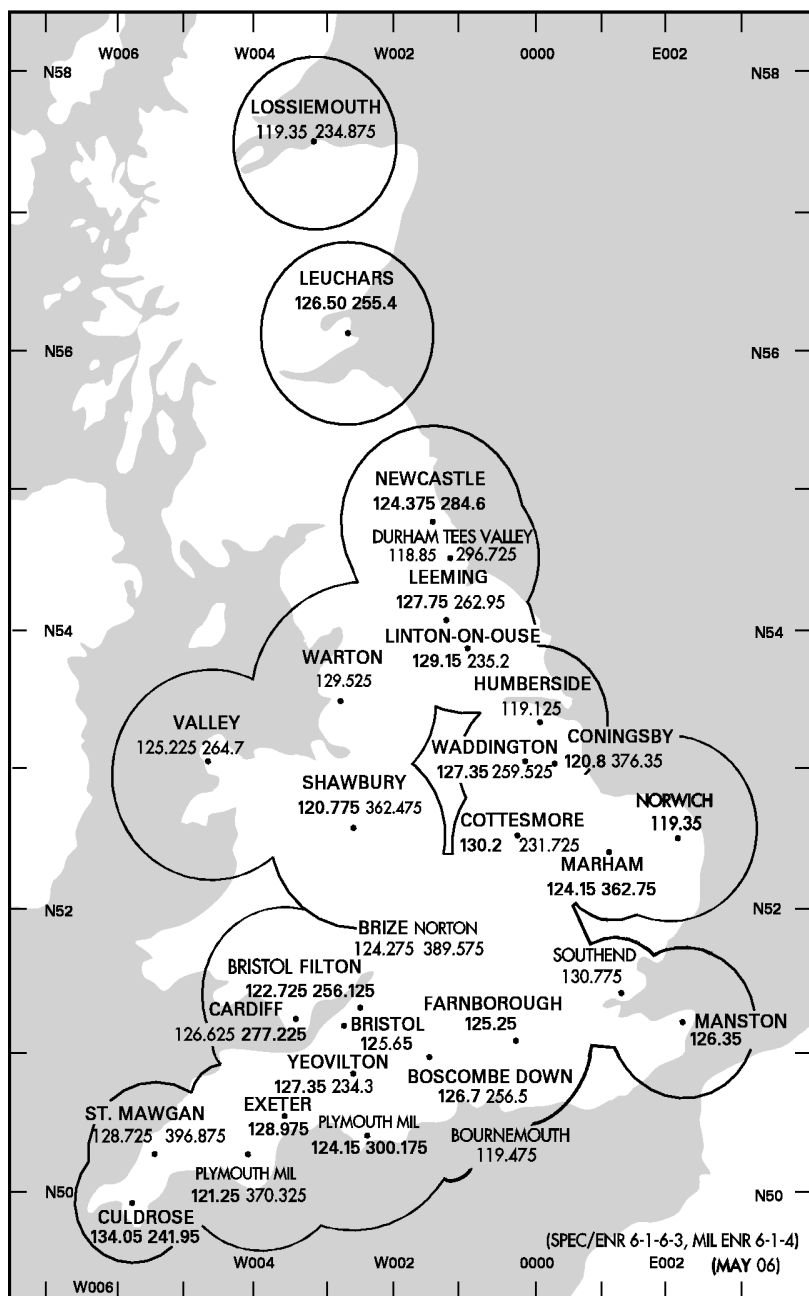
- (5) Intentions (next reporting point, destination, etc.)
- (6) Request for RADAR service.
- b. Maintain listening watch.
- c. Follow advice by controller; advise controller if unable to comply.
- d. Advise controller when service is no longer required.

(3AF/ENR 1-6-3-1)

3. TERRAIN CLEARANCE - Terrain clearance will be the responsibility of the pilot. In IMC the service may be refused below a set altitude or FL.

(3AF/ENR 1-6-1-2)

UK LOWER AIRSPACE RADAR SERVICE AREAS



C-22 THEATER FLIGHT DATA/PROCEDURES

UK TRANSITION ALTITUDE/TRANSITION LEVEL

1. CONTROLLED AIRSPACE -The Transition Altitude for UK Airports within controlled airspace is indicated on instrument approach charts. Altitudes and flight levels are assigned by ATC.

(3AF/ENR 1-7-1)

2. OUTSIDE CONTROLLED AIRSPACE - The transition altitude outside controlled airspace in the UK is 3000 feet. Pilots may use any desired QNH setting when outside controlled airspace and at or below 3000 feet. However, pilots flying beneath a TCA, or SRA below the Transition Altitude should use the QNH of an airport beneath the TCA or SRA, flights on an Advisory Route below 3000 feet should use the appropriate Regional QNH.

(3AF/ENR 1-7-2)

3. LOWEST FLIGHT LEVEL - The following table indicates the lowest flight level available for use with the appropriate QNH for compliance with quadrantal cruising levels.

QNH	LOWEST USAGE FL
29.92 or higher	Published Transition Altitude plus 1000'
29.42-29.91	Published Transition Altitude plus 1500'
28.92-29.41	Published Transition Altitude plus 2000'
28.42-28.91	Published Transition Altitude plus 2500'
28.41 or lower	Published Transition Altitude plus 3000'

(3AF/AFFSA)

4. REGIONAL QNH - A forecast of the lowest QNH value within an altimeter setting region. The values are made available hourly for the period H+1 to H+2 from all airports having ATS service, LONDON ATCC, SCOTTISH ATCC, MANCHESTER ATCC, or by telephone.

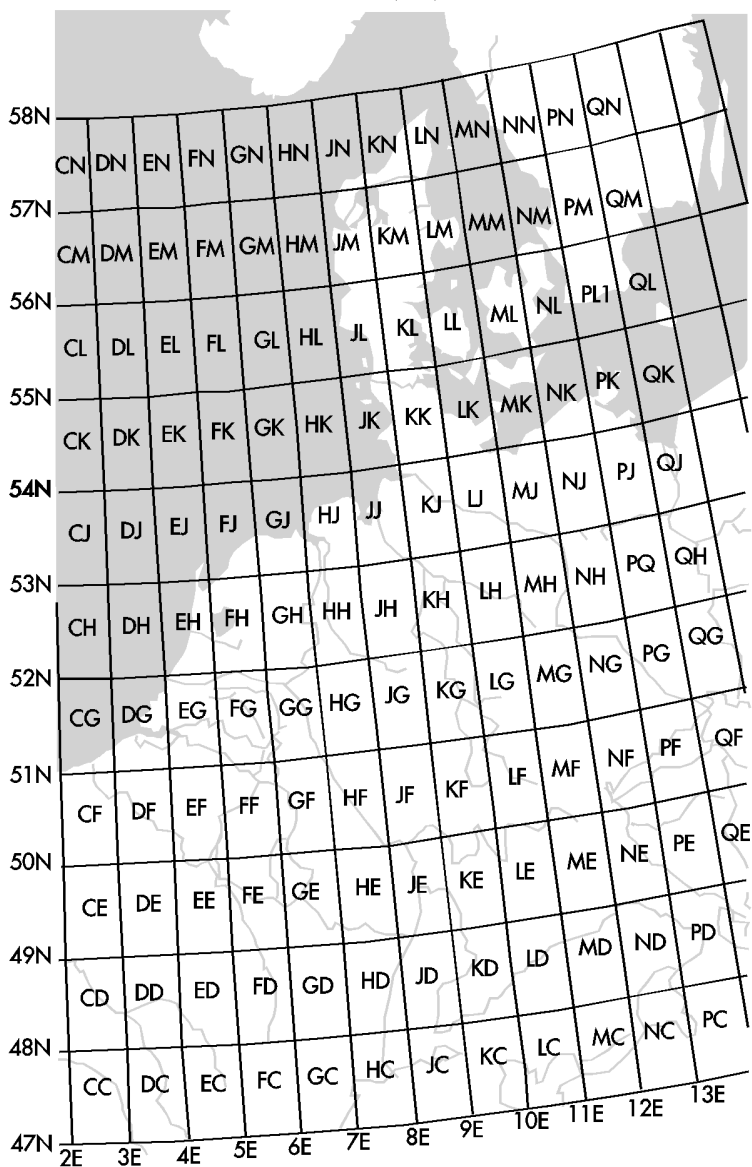
(3AF/ENR 1-7-1)

BIRDTAMS

An elaborate bird monitoring system has been developed and is being used by Germany, Belgium, Denmark, France and The Netherlands to generate Birdstrike risk intensity levels. The birdstrike risk intensity levels range from 0 (nil birdstrike risk) to 8 (extremely great birdstrike risk). Only levels 5 to 8 are reported. Aircrews flying over Central Europe, to include Belgium, Denmark, France, Germany, and The Netherlands should consult the DoD NOTAM web site @ www.notams.jcs.mil during flight planning. BIRDTAMS 0 to 2 correspond to Bird Watch Condition LOW, 3 to 5 MODERATE, and 6 to 8 SEVERE. The BIRDTAM GRID graphic is used during inflight operations to determine BIRDTAM locations.

(AFFSA/XOIA FIL 80-03)

BIRDTAM GRID



BWCC/5=Moderate 6,7,8=Severe

GMGO only reports bird intensity of 5 or greater.

C-24 THEATER FLIGHT DATA/PROCEDURES

RADIO NAVIGATIONAL AIDS BY IDENTIFICATION

IDENT NAME/COUNTRY

A

AAlmaza (NDB) EG
 AOpera (NDB) HU
 AAAioun El Atrous (NDB) MR
 AAAliabad (NDB) IR
 AALAalborg (VOR-DME), (TACAN) DA
 AARArar (VORTAC) SA
 ABAbqaiq (NDB) SA
 ABAkraberg (NDB) FO
 ABBAbbeville (VOR-DME) FR
 ABDAbadan (VOR-DME) IR
 ABDAbyad (NDB) SY
 ABHAbha (VORTAC) SA
 ABIDjibouti/Ambouli (TACAN) DJ
 ABMAbumisa Island (NDB) IR
 ABNAlbenga (NDB) IT
 ABTAlbacete (NDB) SP
 ABUAbu Argub (VOR-DME) LY
 ABUAltenburg (NDB) GM
 ACDAlcobendas (NDB) SP
 ADAden (NDB) YM
 ADBateen (NDB) AE
 ADAAdana (VOR-DME), (NDB) TU
 ADMAgadir (VOR-DME) MO
 ADNAberdeen (VOR-DME) UK
 ADRAdrar (VOR=DME), (NDB) AG
 ADXAndraitx (NDB) SP
 AEAbeche (VOR) CD
 AFIAffligem (VOR-DME) BE
 AGBAugsburg (NDB) GM
 AGDAltenburg (DME) GM
 AGHAnchialos (VOR-DME) GR
 AGNAgen (VOR-DME) FR
 AHOAlghero (TACAN) IT
 AINAl Ain (NDB) AE
 AJAghajari (NDB) IR
 AJFAl Jouf (VORTAC) SA
 AJOAjaccio (VOR-DME) FR
 AKCTrabzon (NDB) TU
 AKIAkhisar (TACAN) TU
 AKIAkureyri (VOR-DME) IC
 AKRAkrotiri (TACAN) CY
 AKUAkujarvi (NDB) FI
 ALAAlta (NDB) NO
 ALBAlbenga (VOR-DME) IT
 ALBAllersberg (VOR-DME) GM
 ALDAlderney (NDB) GK
 ALDAl Udeid (VORTAC) QA
 ALEAleppo (VOR-DME), (NDB) SY
 ALFAlster (DME) GM
 ALGAlghero (VORTAC), (NDB) IT
 ALICairo (NDB) EG
 ALMAix Les Milles (NDB) FR
 ALMAl Hoceima (VOR-DME) MO
 ALMAlma (VOR) SW
 ALNAl Ain (VOR-DME) AE
 ALPAlexandroupolis (NDB) GR
 ALRAlger (VOR-DME) AG
 ALSAgadir (NDB) MO
 ALSAisie (VOR) DA
 ALTAlicante (VOR-DME) SP

IDENT NAME/COUNTRY

ALUAl Hoceima (NDB) MO
 ALXAlexandroupolis (VOR-DME) GR
 AMBAmboise (VOR-DME), (NDB) FR
 AMEAmendola (NDB) IT
 AMLAgadir (NDB) MO
 AMLAmalias (NDB) GR
 AMLAndraveda (TACAN) GR
 AMNAlmeria (NDB) SP
 AMNAmman (VOR-DME) JO
 AMRAlmeria (VOR-DME) SP
 AMSAmsterdam (VOR-DME) NL
 AMUAmberieu (TACAN) FR
 ANArvidsjaur (NDB) SW
 ANBAnnaba (VOR-DME), (NDB) AG
 ANCAncona (VOR-DME), (NDB) IT
 ANDAndoya (VOR-DME) NO
 ANGAngers (VOR) FR
 ANKAnarak (VOR-DME) IR
 ANKAnkara (NDB-DME) TU
 ANLNea Anchialos (TACAN) GR
 ANSAnsbach (NDB) GM
 ANTAntalya (DME) TU
 ANTAntoni (VOR-DME) FI
 ANTAntwerpen (VOR-DME) BE
 AOOpera (NDB) HU
 AOGRota (TACAN), (NDB) SP
 APAberporth (NDB) UK
 AQAberdeen (NDB) UK
 AQAqaba (NDB) JO
 AQAAqaba (NDB) JO
 AQBAqaba (VOR-DME) JO
 AQCAqaba (NDB) JO
 ARAkureyri (NDB) IC
 ARAtar (NDB) MR
 ARAAraxos (VOR-DME) GR
 ARBArdabil (VOR-DME), (NDB) IR
 ARBTortoli (NDB) IT
 ARDArad (VOR-DME), (NDB) RO
 AREMonts D Arree (VOR) FR
 ARFTopel (TACAN), (NDB) TU
 ARHEl Arish (VOR-DME) EG
 ARIAgri (VOR-DME), (NDB) TU
 ARINador Arwi (VOR-DME) MO
 ARKArak (NDB) IR
 ARLArlanda (VOR-DME) SW
 ARMArmilla (NDB) SP
 ARSAros (VOR-DME) SW
 ARWEl Aroui (NDB) MO
 ARXAraxos (TACAN) GR
 ASAgades (VOR), (NDB) NG
 ASAsmara (NDB) ER
 ASBAli Al Salem (VORTAC) KU
 ASHAl-Shigar (VOR-DME) SA
 ASLAsaloyeh (NDB) IR
 ASMAsmara (VOR-DME) ER
 ASNAswan (VOR-DME) EG
 ASTAsturias (NDB) SP
 ASTAsyut (VOR-DME) EG
 ATAAlta (VOR-DME) NO
 ATBAtbara (NDB) SU
 ATEAlicante (VOR-DME) SP
 ATFAberdeen/Dyce (NDB) UK

THEATER FLIGHT DATA/PROCEDURES C-25

IDENT	NAME/COUNTRY
ATN	Autun (VOR-DME) FR
ATR	Alcantarilla (NDB) SP
ATV	Athinai (VOR-DME) GR
AUG	Augsburg (DME) GM
AUH. . . .	Abu Dhabi (VOR-DME) AE
AVD	Avord (TACAN), (NDB) FR
AVI.	Aviano (TACAN), (NDB) IT
AVN. . . .	Avignon (VOR) FR
AVN. . . .	Vilnius (NDB) LH
AWZ	Ahwaz (VOR-DME), (NDB) IR
AX	Axum (NDB) ET
AXD. . . .	Alexandria (VOR-DME) EG
AY	Arli (NDB) UV
AY	Dire Dawa (NDB) ET
AYT	Antalya (VOR-DME), (TACAN) TU
AZ	Arkhangelsk (NDB) RS
AZR	Inezgane (NDB) MO
AZR	Nice Cote D Azur (VOR-DME) FR

B

B	Valencia (NDB) SP
BA	Bautzen (NDB) GM
BAB	Beirut (NDB) LE
BAG	Baglum (VOR-DME) TU
BAG	Bagur (NDB) SP
BAH. . . .	Bahrain (VOR-DME) BA
BAI. . . .	Bailen (NDB) SP
BAK	Backa (VOR-DME) SW
BAL	Baldonnel (VOR-DME) EI
BAM	Bam (VOR-DME), (NDB) IR
BAM	Barmen (VORTAC) GM
BAN. . . .	Banias (NDB) SY
BAN. . . .	Barahona (VOR-DME) SP
BAN. . . .	Sidi Ben Aoun (VOR) TS
BAP	Baghdad (TACAN) IZ
BAR	Bardufoss (TACAN) NO
BAR	Bari (VOR-DME) IT
BAR	Basrah (TACAN) IZ
BAT	Batman (VOR-DME), (TACAN), (NDB) TU
BAY	Bayreuth (VOR), (DME) GM
BAY	El Bayadh (VOR), (NDB) AG
BAZ	Bayreuth (NDB) GM
BBE	Beauvechain (TACAN) BE
BBI. . . .	Salamanca (VOR-DME) SP
BBL	Kleine Brogel (TACAN) BE
BBM. . . .	Babimost (NDB) IR
BBS	Beni Abbes (VOR-DME), (NDB) AG
BBU	Brandbu (VOR-DME) NO
BC	Bacau (NDB) RO
BC	Bechar (NDB) AG
BCL	Benbecula (DME) UK
BCN. . . .	Barcelona (VOR-DME) SP
BCN. . . .	Brecon (VOR-DME) UK
BCR	Bechar (VOR-DME) AG
BCS	Bacchus (NDB) SW
BCU	Bacau (VOR-DME) RO
BD	Bobo Dioulasso (VOR-DME) UV
BD	Bordeaux (NDB) FR
BDB	Bir Darb (VOR-DME) SA
BDF	Bardufoss (VOR-DME) NO
BDM	Bandirma (TACAN) TU
BDN	Boscombe Down (TACAN) UK

IDENT	NAME/COUNTRY
BDO	Bobo Dioulasso (NDB) UV
BDO	Bodo (VOR-DME) NO
BDR. . . .	Milas Bodrum (VOR-DME), (NDB) TU
BDX. . . .	Bordeaux (TACAN) FR
BE	Bordeaux (NDB) FR
BEJ	Beja (VORTAC) PO
BEL	Belfast (VOR-DME) UK
BEN. . . .	Benbecula (VOR-DME) UK
BEO. . . .	Beograd (VOR-DME) YI
BER	Bern (NDB) SZ
BET	Rheine Bentlage (NDB) GM
BEY	Beypazari (NDB) TU
BF	Norilsk (NDB) RS
BFS	Florennes (TACAN) BE
BGC	Bergerac (NDB) FR
BGD	Baghdad (VOR), (TACAN) IZ
BGN	Ben Gurion (VOR-DME) IS
BGN	Guipavas (NDB) FR
BGR	Bagur (VOR-DME) SP
BGS	Burgas (VOR-DME), (NDB) BU
BGS	Burgos (NDB) SP
BGU	Bergerud (NDB) NO
BH	Buhasa (NDB) AE
BHA. . . .	Al Baha (VORTAC) SA
BHD	Barth (DME) GM
BHD	Berry Head (VOR-DME) UK
BHX. . . .	Birmingham (NDB) UK
BI.	Dudinka (NDB) RS
BIG	Biga (VOR-DME) TU
BIG	Biggin (VOR-DME) UK
BIS.	Biskra (VOR-DME) AG
BIS. . . .	Bissau/Oswaldo Vieira (VOR-DME) PU
BIZ. . . .	Bizerte (VOR-DME) TS
BJ	Banjul (VOR-DME) GA
BJA	Beja (NDB) PO
BJA	Bejaia (NDB) AG
BJD	Birjand (VOR-DME), (NDB) IR
BJO	Bjornoya (NDB) NO
BJZ	Badajoz (NDB) SP
BKD. . . .	Brunkendorf (VOR-DME) GM
BKO	Bamako/Senou (VOR-DME) ML
BKS	Bekes (VOR-DME), (NDB) HU
BKY	Barkway (VOR-DME) UK
BKZ	Beykoz (VOR-DME) TU
BL	Blonduos (NDB) IC
BLA	Biella Cerrione (VOR-DME) IT
BLA	Cairo West (TACAN) EG
BLC	Blace (VOR-DME), (NDB) YI
BLC	Blackbushe (DME) UK
BLD	Badal (VORTAC) IZ
BLK	Banja Luka (NDB) BK
BLK	Blackbushe (NDB) UK
BLM. . . .	Bale Mulhouse (VOR-DME) FR
BLN	Bailen (VOR-DME) SP
BLO	Bailovo (VOR-DME) BU
BLT	Baltim (VOR-DME) EG
BLV	Bilbao (VOR-DME) SP
BM.	Bamako/Senou (NDB) ML
BM.	Pevek (NDB) RS
BMA	El Borma (NDB) TS
BMC	Bordeaux (VOR-DME) FR

C-26 THEATER FLIGHT DATA/PROCEDURES

IDENT NAME/COUNTRY

BMNBremen (VOR-DME) GM
 BMRBaia Mare (NDB) RO
 BNBale Mulhouse (NDB) FR
 BNABanak (VOR-DME) NO
 BNABeni Amrane (NDB) AG
 BNABenina (VOR-DME), (NDB) LY
 BNDBandar Abbass (TACAN), (VOR-DME), (NDB) IR
 BNEBoulogne Sur Mer (VOR) FR
 BNKBanak (TACAN) NO
 BNNBovingdon (VOR-DME) UK
 BNNBronnoy (VOR-DME) NO
 BNOBrno (VOR-DME), (NDB) EZ
 BNRBanak (NDB) NO
 BOBokanjac (NDB) HR
 BOABologna (VOR-DME), (NDB) IT
 BODBeirut (NDB) LE
 BODBordj Omar Driss (VOR-DME) AG
 BOLBolsena (VORTAC) IT
 BOOBodo (TACAN) NO
 BORBorlange (VOR-DME) SW
 BOTBottrop (NDB) GM
 BOZBozhourishte (NDB) BU
 BPKBrookmans Park (VOR-DME) UK
 BPNBopan (VOR-DME) SA
 BRBreidavad (NDB) IC
 BRABarajas (VOR-DME) SP
 BRBBarcial Del Barco (NDB) SP
 BRCCasablanca (VOR-DME) MO
 BRDBojnord (VOR-DME), (NDB) IR
 BRDBrindisi (VORTAC), (NDB) IT
 BRGBraganca (NDB) PO
 BRIBalikesir (TACAN) TU
 BRIBristol (NDB) UK
 BRKBruck (NDB) AU
 BRNBerane (NDB) YI
 BRNSidi Barrani (VOR-DME) EG
 BRSBremesnes (NDB) NO
 BRUBraunschweig (NDB) GM
 BRVBrasov (VOR-DME) RO
 BRYBray Sur Seine (VOR-DME) FR
 BRYYenisehir (VOR-DME), (NDB) TU
 BRZBreza (NDB) HR
 BSBissau/Oswaldo Vieira (NDB) PU
 BSBondsteel (NDB) YI
 BSABeer-Sheba (VOR) IS
 BSABou Saada (VOR-DME), (NDB) AG
 BSAMontichiari (VOR-DME) IT
 BSEBaneasa Southeast (NDB) RO
 BSHBisha (VORTAC) SA
 BSNBoursonne (VOR-DME) FR
 BSOBenson (TACAN) UK
 BSRBasrah (VOR-DME) IZ
 BSTLanveoc (TACAN), (NDB) FR
 BSWBaneasa Southwest (NDB) RO
 BTLe Bourget (VOR-DME) FR
 BTABastia (VOR-DME) FR
 BTABratta (NDB) NO
 BTHBarth (NDB) GM
 BTZBiarritz (VOR-DME) FR
 BUSkopje (NDB) MK
 BUBBrussels Natl (VOR-DME) BE
 BUDBudapest (VOR-DME) HU

IDENT NAME/COUNTRY

BUEBuchel (TACAN) GM
 BUGBugac (VOR-DME), (NDB) HU
 BUIBudisavci (VOR-DME) YI
 BUKCubuk (VOR-DME), (NDB) TU
 BUNBruno (VOR-DME) BE
 BURBurnham (NDB) UK
 BUZBushehr (VOR-DME), (NDB) IR
 BVBrough (NDB) UK
 BVLa Palma (DME) SP
 BVKBaatvik (NDB) NO
 BVSBeauvais (VOR) FR
 BXBatsfjord (NDB) NO
 BXLa Palma (NDB) SP
 BYCBuckeburg (NDB) GM
 BZBiarritz (NDB) FR
 BZBrize Norton (NDB) UK
 BZNBrize Norton (TACAN) UK
 BZOBolzano (NDB) IT

C

CCentr (NDB) LO
 CDebrecen (NDB) HU
 CACascais (NDB) PO
 CAACazaux (TACAN), (NDB) FR
 CACCaceres (NDB) SP
 CAEBen Slimane (NDB) MO
 CAECaernarfon (NDB) UK
 CAGCagliari (VOR-DME), (NDB) IT
 CAICairo (VOR-DME) EG
 CAKChekka (VOR-DME) LE
 CAMCambridge (NDB) UK
 CAMCameri (TACAN), (NDB) IT
 CANCaen (VOR) FR
 CARCarbonara (VOR-DME), (NDB) IT
 CARCarnane (NDB) IM
 CASCascais (VOR-DME) PO
 CASCaselle (TACAN), (NDB) IT
 CATSt Catherine (NDB) EG
 CAVVatry (VOR-DME) FR
 CBCoimbra (NDB) PO
 CBACasablanca (VOR-DME) MO
 CBHChah Bahar (VORTAC) IR
 CBLCampbeltown (NDB) UK
 CBNCap Bon (VOR) TS
 CBYChambery (VOR-DME) FR
 CCHCalamocha (NDB) SP
 CCSCaceres (VOR-DME) SP
 CDACodan (VOR-DME) DA
 CDBCordoba (VOR-DME) SP
 CDCCaraffa (VORTAC) IT
 CDDDrewitz (DME) GM
 CDNChateaudun (NDB) FR
 CDPCapdepera (VOR-DME) SP
 CECepin (NDB) HR
 CEKCekmece (NDB) TU
 CELCelle (NDB) GM
 CEVCervia (TACAN), (NDB) IT
 CFCaslav (NDB) EZ
 CFAClermont (VOR-DME) FR
 CFDCranfield (VOR) UK
 CFNDonegal (NDB) EI
 CGArlanda (NDB) SW
 CGCCognac (TACAN), (NDB) FR

THEATER FLIGHT DATA/PROCEDURES C-27

IDENT	NAME/COUNTRY
CGN	Charles De Gaulle (VOR-DME) FR
CGS	Cagnes Sur Mer (VOR-DME) FR
CGY	Coningsby (TACAN) UK
CHA	Charlie (VOR) GM
CHE	Cherchell (NDB) AG
CHI	Chioggia (VOR-DME) IT
CHO	Chociwel (NDB) PL
CHT	Chiltern (NDB) UK
CHW	Chartres (VOR-DME) FR
CIA	Ciampino (NDB) IT
CIG	Cigli (TACAN), (NDB) TU
CIV	Chievres (VOR), (TACAN) BE
CJN	Castejon (VOR-DME) SP
CK	Prerov (NDB) EZ
CLE	Calella (VOR-DME) SP
CLJ	Cluj (VOR-DME) RO
CLM	Coulommiers (VOR-DME) FR
CLN	Clacton (VOR-DME) UK
CLR	Colmar (TACAN) FR
CLS	Calles (VOR-DME) SP
CLU	Corlu (TACAN) TU
CM	Caumont (NDB) FR
CMA	Calamocha (VOR-DME) SP
CMB	Cambrai (VORTAC) FR
CML	Clonmel (NDB) EI
CMO	Camogli (NDB) IT
CMP	Campagnano (VOR-DME), (NDB) IT
CNA	Cognac (VOR-DME) FR
CND	Constanta (VOR-DME) RO
CNE	Caen (NDB) FR
CNE	Constantine (NDB) AG
CNK	Canakkale (VOR-DME), (NDB) TU
CNL	Kenitra (NDB) MO
CNM	Cannes (VOR) FR
CNR	Colmenar (VOR-DME) SP
CNU	Oujda (NDB) MO
CNZ	Marrakech (NDB) MO
COA	Costa (VOR-DME) BE
COA	La Coruna (NDB) SP
COL	Cola (VORTAC) GM
CON	Connaught (VOR-DME) EI
COR	Cordoba (NDB) SP
COR	Corner (NDB) SW
CP	Caparica (NDB) PO
CP	Parduc (NDB) HU
CPE	Compiègne (VOR-DME) FR
CPT	Compton (VOR-DME) UK
CRD	Cardak (VOR-DME), (TACAN), (NDB) TU
CRE	Cres (NDB) HR
CRK	Cork (VOR-DME) EI
CRL	Corlu (VOR-DME), (NDB) TU
CRL	Creil (VORTAC) FR
CRM	Carsamba (VOR-DME), (NDB) TU
CRN	Crotone (VOR-DME) IT
CRN	Galway (NDB) EI
CRS	Caransebes (NDB) RO
CRV	Craiova (VOR-DME) RO
CSD	Daouarat (NDB) MO
CSL	Caselle (VOR-DME) IT
CSM	Castelsarrasin Moissac (NDB) FR
CSO	Constantine (VOR-DME) AG

IDENT	NAME/COUNTRY
CST	Costix (NDB) SP
CTE	Castejon (NDB) SP
CTF	Catania Fontanarossa (VOR-DME), (NDB) IT
CTL	Chatillon Sur Marne (VOR-DME) FR
CTM	Cottesmore (TACAN) UK
CTX	Chateauroux (NDB) FR
CV	Calvi (NDB) FR
CV	Dubrovnik (NDB) HR
CVA	Corvatsch (DME) SZ
CVO	Cairo (VOR-DME) EG
CVS	Sal (VOR-DME) CV
CVT	Cuatro Vientos (NDB) SP
CWL	Cranwell (NDB) UK
CWZ	Cranwell (TACAN) UK
CY	Conakry (NDB) GV
CZE	Czempin (VOR-DME), (NDB) PL

D

D	Deveselu (NDB) RO
D	Line (NDB) EZ
D	Tokol (NDB) HU
DA	Ales (NDB) FR
DA	Deveselu West (NDB) RO
DAK	Dakovica (TACAN) YI
DAL	Dalaman (VOR-DME), (TACAN), (NDB) TU
DAL	Otaebe (NDB) SY
DAM	Damascus (VOR-DME) SY
DAN	Incirlik (TACAN) TU
DAN	Podgorica (NDB) YI
DAP	Dublin (VOR-DME) EI
DAR	Darband (VOR-DME) IR
DAR	Darlowo (VOR-DME) PL
DAW	Al Dawadmi (VOR-DME) SA
DBA	El Daba (VOR-DME) EG
DBK	Dubrovnik (VOR-DME) HR
DBR	Helmholtz (NDB) GM
DBV	Dubove (NDB) LO
DC	Debrecen (NDB) HU
DCS	Dean Cross (VOR-DME) UK
DD	Dori (NDB) UV
DDM	Didimon (VOR-DME) GR
DEC	Decimomannu (TACAN), (NDB) IT
DEK	Dekelia (NDB) GR
DER	Derventa (VOR-DME) BK
DET	Detling (VOR-DME) UK
DFN	Dafinah (VOR-DME) SA
DGN	Digne (VOR) FR
DGO	Domingo (VOR-DME) SP
DGP	Daugavpils (VOR-DME) LG
DHA	Dhahran (VORTAC) SA
DHE	Helgoland (VOR-DME) GM
DHN	Dehnamak (VOR-DME) IR
DHR	Dahra (NDB) LY
DIJ	Dijon (TACAN) FR
DIK	Diekirch (VOR-DME), (NDB) LU
DIN	Dinard (VOR-DME) FR
DIP	Planter (NDB) GM
DIR	Dirkou (VOR) NG
DIY	Diyarbakir (TACAN) TU
DJ	Borg El Arab (NDB) EG

C-28 THEATER FLIGHT DATA/PROCEDURES

IDENT	NAME/COUNTRY	IDENT	NAME/COUNTRY
DJ	.Djibouti/Ambouli (NDB) DJ	EEC	.El Copero (NDB) SP
DJA	.Djanet (VOR-DME), (NDB) AG	EEL	.Eelde (VOR-DME) NL
DJL	.Dijon (VOR-DME) FR	EFD	.Erfurt (DME) GM
DKA	.Dakhla (NDB) WI	EGG	.Eggenfelden (NDB) GM
DKA	.Dhekelia (NDB) CY	EGN	.Aigina (NDB) GR
DKB	.Dinkelsbuhl (VORTAC) GM	EH	.Egelsbach (NDB) GM
DKH	.Dakhla (VOR-DME) WI	EHN	.Eindhoven (NDB) NL
DKR	.Dunker (VOR) SW	EHV	.Eindhoven (TACAN) NL
DL	.Arlanda (NDB) SW	EKI	.Tekirdag (VOR-DME) TU
DLE	.Leine (VOR-DME) GM	EKN	.Enniskillen (NDB) UK
DLN	.Deelen (TACAN) NL	EL	.Ellidavatr (NDB) IC
DLS	.Lubars (NDB) GM	ELB	.Elba (VORTAC), (NDB) IT
DM	.Debre Marcos (NDB) ET	ELF	.Elefsis (TACAN), (NDB) GR
DM	.Salekhard (NDB) RS	ELO	.El Oued (VOR-DME), (NDB) AG
DMN	.Munchen (DME) GM	ELU	.Luxembourg (NDB) LU
DMS	.Munchen (DME) GM	EMD	.Emden (NDB) GM
DMZ	.Damazin (NDB) SU	EN	.Menderes (NDB) TU
DNC	.Mostar (NDB) BK	EN	.Orebro (NDB) SW
DND	.Dresden (DME) GM	END	.Eggenfelden (DME) GM
DND	.Dundee (NDB) UK	ENO	.Enodak (VOR-DME) FI
DNZ	.Dasht-E-Naz (VOR-DME), (NDB) IR	ENS	.Ennis (NDB) EI
DOG	.Dongola (VOR-DME) SU	ENW	.Emden (DME) GM
DOH	.Doha (VOR-DME) QA	EON	.Leon (VOR-DME) SP
DOL	.Dolsko (VOR-DME) SI	EPL	.Epinal (VOR) FR
DOM	.Dortmund (VOR-DME) GM	EPM	.Epsom (NDB) UK
DON	.Donaueschingen (DME) GM	EPR	.Epernon (VOR-DME) FR
DON	.Donna (NDB) DA	ER	.Erzurum (NDB) TU
DOR	.Wickede (VOR-DME) GM	ERA	.Errachidia (VOR-DME) MO
DP	.Diepholz (NDB) GM	ERD	.Erdemir (NDB) TU
DPE	.Dieppe (VOR) FR	ERD	.Erding (TACAN) GM
DRE	.Drezdenko (VOR-DME), (NDB) PL	ERF	.Erfurt (VOR-DME) GM
DRN	.Dresden (VOR-DME) GM	ERH	.Erhac (TACAN), (NDB) TU
DRW	.Drewitz (NDB) GM	ERH	.Malatya (VOR) TU
DRZ	.Deir Zzor (VOR-DME), (NDB) SY	ERK	.Erken (NDB) SW
DTI	.Djibouti/Ambouli (VOR-DME) DJ	ERL	.Erlangen (VOR-DME) GM
DTY	.Davenport (VOR-DME) UK	ERN	.Erzincan (VOR-DME), (NDB) TU
DU	.Tokol (NDB) HU	ERT	.Erfurt (NDB) GM
DUB	.Dubai (VOR-DME) AE	ERZ	.Erzurum (VOR-DME), (TACAN), (NDB) TU
DUB	.Dublin (VOR-DME) EI	ES	.Egilsstadir (NDB) IC
DUS	.Dusseldorf (VOR-DME) GM	ESH	.Shahid Vatan Pour (NDB) IR
DVA	.Deva (VOR-DME) RO	ESK	.Eskisehir (TACAN) TU
DVI	.Donaueschingen (NDB) GM	ESP	.Espichel (VORTAC) PO
DVL	.Deauville (VOR) FR	ESP	.Espoo (NDB) FI
DVN	.Drvenik (NDB) HR	ESR	.Eskisehir (VOR-DME), (NDB) TU
DVR	.Dover (VOR-DME) UK	ESS	.Essaouira (VOR-DME) MO
DW	.Szcztyno (NDB) PL	ESS	.Esse (NDB) FI
DWA	.Dire Dawa (VOR-DME) ET	ETI	.Etimesgut (TACAN) TU
DWI	.Dortmund (NDB) GM	EUR	.Eurach (VOR-DME) GM
DWN	.Devnya (NDB) BU	EVD	.Evenes (VOR-DME) NO
DYB	.Diyarbakir (VOR-DME), (NDB) TU	EVS	.Evenes (TACAN) NO
DZF	.Dezful (TACAN), (NDB) IR	EVX	.Evreux (VORTAC) FR

E

EA	.Craiova (NDB) RO
EAG	.Logrono (NDB) SP
EAL	.Almagro (NDB) SP
EAS	.Southampton (NDB) UK
EBA	.El Borma (VOR) TS
EBT	.Valencia (NDB) SP
ECV	.Colmenar (NDB) SP
EDN	.Edinburgh (NDB) UK
EDR	.Edremit (VOR-DME), (NDB) TU

F

F	.Pruszcz Gdanski (NDB) PL
F	.Sofia (NDB) BU
FAL	.Falconara (TACAN), (NDB) IT
FAR	.Faro (NDB) PO
FE	.Fiumicino (NDB) IT
FER	.Ferrara (NDB) IT
FES	.Saiss (VOR-DME) MO
FFA	.Fairford (TACAN) UK

THEATER FLIGHT DATA/PROCEDURES C-29

IDENT	NAME/COUNTRY
FFM.....	Frankfurt (VORTAC) GM
FGI.....	Figari (VOR-DME) FR
FH.....	Faranah (NDB) GV
FHA.....	Friedrichshafen (NDB) GM
FHD.....	Fahud (VOR-DME) MU
FHD.....	Friedrichshafen (DME) GM
FHN.....	Fahud (NDB) MU
FIL.....	Horta (NDB) PO
FIS.....	Fiska (NDB) GR
FJR.....	Fujairah (VOR-DME) AE
FJR.....	Mediterranee (VOR-DME) FR
FL.....	Ndjamena (VOR-DME) CD
FLD.....	Friedland (VOR-DME) GM
FLE.....	Flesland (TACAN) NO
FLO.....	Flora (VOR-DME) BE
FLO.....	Flores (NDB) PO
FLO.....	Floro (VOR-DME) NO
FLR.....	Floresti (VOR-DME) RO
FLR.....	Flornes (NDB) NO
FLS.....	Flesland (VOR-DME) NO
FLU.....	Faya Largeau (NDB) CD
FMD.....	Fischamend (VOR-DME) AU
FN.....	Fiumicino (NDB) IT
FNJ.....	Doncaster (NDB) UK
FOG.....	Foggia (VOR), (NDB) IT
FOR.....	Forli (NDB) IT
FOR.....	Forsol (NDB) NO
FOY.....	Foynes (NDB) EI
FR.....	Bir Moghrein (NDB) MR
FR.....	Foxtrot Romero (NDB) FI
FR.....	Frankfurt (NDB) GM
FRA.....	Sarajevo (NDB) BK
FRD.....	Frankfurt (DME) GM
FRE.....	Freistadt (VOR-DME) AU
FRH.....	Faranah (VOR) GV
FRI.....	Fribourg (VOR-DME) SZ
FRS.....	Flores (VOR-DME) PO
FRS.....	Frosinone (VOR-DME), (NDB) IT
FRZ.....	Firenze (VORTAC) IT
FS.....	Fjellstad (NDB) NO
FSA.....	Fasa (NDB) IR
FSB.....	Fassberg (NDB) GM
FSK.....	Fauske (NDB) NO
FSK.....	Fiska (VOR-DME) GR
FSR.....	El Fashir (VOR-DME), (NDB) SU
FT.....	Fleten (NDB) NO
FT.....	Pruszcz Gdanski (NDB) PL
FTM.....	Fatima (VOR-DME) PO
FTV.....	Fuerteventura (VOR-DME) SP
FTZ.....	Fritzlar (NDB) GM
FU.....	Hamburg West (NDB) GM
FUJ.....	Fujairah (NDB) AE
FUL.....	Fulda (VOR-DME) GM
FUN.....	Madeira (VOR-DME) PO
FW.....	Fiumicino (NDB) IT
FW.....	Frankfurt (NDB) GM
FWE.....	Furstenwalde (VOR-DME) GM
FYM.....	Fayoum (VOR-DME) EG

G

GA.....	Gardur (NDB) IC
GAC.....	Gacko (NDB) BK
GAD.....	Ghadames (VOR-DME) LY

IDENT	NAME/COUNTRY
GAF.....	Gafsa (VOR-DME) TS
GAI.....	Gaillac (VOR) FR
GAL.....	Giallo (NDB) LY
GAM.....	Gamston (VOR-DME) UK
GAO.....	Gao (VOR) ML
GAR.....	Garitsa (VOR-DME) GR
GAR.....	Garristown (NDB) EI
GAS.....	Gassim (VORTAC) SA
GAZ.....	Gaziantep (VOR-DME) TU
GAZ.....	Oguzeli (NDB) TU
GBG.....	Gleichenberg (NDB) AU
GBI.....	Golbasi (NDB) TU
GBL.....	Giebelstadt (TACAN), (NDB) GM
GBR.....	Gibraltar (TACAN) GI
GC.....	Graciosa (NDB) PO
GD.....	Gwadar (NDB) PK
GDA.....	Alexandria (NDB) GR
GDA.....	Al Ghaidah (NDB) YM
GDA.....	Gdansk (NDB) PL
GDA.....	Granada (VOR-DME) SP
GDS.....	Ghadames (NDB) LY
GDV.....	Gran Canaria (VOR-DME) SP
GDY.....	Godby (NDB) FI
GE.....	Gatwick (NDB) UK
GE.....	Getafe (NDB) SP
GED.....	Gedern (VORTAC) GM
GEM.....	Gemerek (VOR-DME) TU
GEN.....	Genova (VOR-DME), (NDB) IT
GEY.....	Antalya (NDB) TU
GF.....	Grof (NDB) IC
GFC.....	Gullfaks (NDB-DME) NO
GGN.....	Gorgan (VOR-DME), (NDB) IR
GHA.....	Ghardaia (VOR-DME), (NDB) AG
GHE.....	Ghedi (TACAN) IT
GHT.....	Ghat (NDB) LY
GIA.....	Conakry (VOR-DME) GV
GIN.....	Giessen (NDB) GM
GIO.....	Gioia Del Colle (TACAN), (NDB) IT
GIR.....	Gerona (VOR-DME) SP
GIX.....	Geilenkirchen (TACAN) GM
GIZ.....	Jazan (VORTAC) SA
GL.....	Nantes (NDB) FR
GL.....	Tegel East (NDB) GM
GLA.....	Gland (NDB) SZ
GLM.....	Goulimine (VOR) MO
GLT.....	Galati (VOR-DME) RO
GLW.....	Glasgow (NDB) UK
GM.....	Goundam (NDB) ML
GMH.....	Germinghausen (VOR-DME) GM
GML.....	Kiyikislacik (VOR-DME) TU
GMN.....	Gormanston (NDB-DME) EI
GNA.....	Geneina (NDB) SU
GOL.....	Golyama (VOR-DME) BU
GOS.....	Gloucestershire (DME) UK
GOT.....	Gotem (VOR-DME) GM
GOW.....	Glasgow (VOR-DME) UK
GP.....	Lajes (NDB) PO
GR.....	Dubrovnik (NDB) HR
GRA.....	Grazzanise (TACAN), (NDB) IT
GRB.....	Guernsey (NDB) GK
GRE.....	Grenchen (VOR-DME), (NDB) SZ
GRF.....	Grafenwohr (TACAN) GM
GRK.....	Grakallen (NDB) NO

C-30 THEATER FLIGHT DATA/PROCEDURES

IDENT NAME/COUNTRY

GRM Gardermoen (VOR-DME) NO
 GRN Geron (NDB) SP
 GRN Gorna (NDB) BU
 GRN Gorna Oryahovitsa (VOR-DME) BU
 GRO Grosseto (TACAN), (NDB) IT
 GRS Ghriess (VOR), (NDB) AG
 GRT Gheriat (NDB) LY
 GRT Grottaglie (NDB) IT
 GRU Grudziadz (VOR-DME) PL
 GRW Grafenwohr (NDB) GM
 GRY Guriat (VORTAC) SA
 GRZ Graz (VOR-DME), (NDB) AU
 GS Sarir (NDB) LY
 GSN Gachsaran (NDB) IR
 GST Gloucestershire (NDB) UK
 GSY Gosly (VOR-DME) BE
 GT Hamburg North (NDB) GM
 GTQ Grostenquin (VOR-DME) FR
 GU Guipavas (NDB) FR
 GUI Guidonia (NDB) IT
 GUL Gull (NDB) NL
 GUR Guernsey (VOR-DME) GK
 GUY Guernsey (NDB) GK
 GVA Geneva Cointrin (VOR-DME) SZ
 GW Al Hamada (NDB) LY
 GWC Goodwood (VOR-DME) UK
 GY Gatwick (NDB) UK
 GYR Gyor (VOR-DME), (NDB) HU
 GZO Gozo (VOR-DME), (NDB) MT
 GZR Gilze Rijen (TACAN) NL

H

H Wroclaw (NDB) PL
 HA Hannover (NDB) GM
 HA Hofsa (NDB) IC
 HAA Hamar (NDB) NO
 HAB Hamadan Mil (VORTAC), (NDB) IR
 HAB Hammelburg (NDB) GM
 HAD Hannover (DME) GM
 HAE Hannover (NDB) GM
 HAI Haima (VOR-DME) MU
 HAL Halli (VOR-DME) FI
 HAM Hamadan (VOR-DME), (NDB) IR
 HAM Hamburg (VORTAC) GM
 HAN Hahn (NDB) GM
 HAR Harry (VOR) SW
 HAS Hassakeh (NDB) SY
 HAV Haverfordwest (NDB) UK
 HAW Hawtah (NDB) SA
 HAY Haymana (NDB-DME) TU
 HBD Hannover (DME) GM
 HC Heringsdorf (NDB) GM
 HD Hodeidah (NDB) YM
 HDH Hodeidah (VOR-DME) YM
 HDL Heidelberg (NDB) GM
 HDM Coleman (VOR), (NDB) GM
 HDO Hermsdorf (VOR-DME) GM
 HDR Den Helder (VOR-DME) NL
 HDW Haverfordwest (DME) UK
 HEI Heidrun (NDB-DME) NO
 HEK Heka (NDB) FI
 HEL Helsinki (VOR-DME) FI
 HEN Henton (NDB) UK

IDENT NAME/COUNTRY

HER Iraklion (NDB) GR
 HET Hetta (NDB) FI
 HFA Haifa (NDB) IS
 HFR Hafr Al-Batin (VORTAC) SA
 HFX Hohenfels (NDB) GM
 HG Wroclaw (NDB) PL
 HGD Hurghada (VOR-DME) EG
 HIE Hierro (NDB) SP
 HIG San Sebastian (NDB-DME) SP
 HIJ Hinojosa (VOR-DME) SP
 HIL Hail (VORTAC) SA
 HIO Chios (NDB) GR
 HJ Hjalteyri (NDB) IC
 HK Hasvik (NDB) NO
 HKI Hassi Khebi (NDB) AG
 HL Helgafell (NDB), (DME) IC
 HLF Halaifa (VOR-DME) SA
 HLV Holesov (NDB) EZ
 HLZ Hehlingen (VOR-DME) GM
 HMB Hammam Bou Hadjar (NDB) AG
 HMD Hassi Messaoud (NDB) AG
 HME Hassi Messaoud (VOR-DME) AG
 HMF Hammerfest (VOR-DME) NO
 HMM Hamm (VOR-DME) GM
 HMR Hammar (VOR-DME) SW
 HN Hohn (NDB) GM
 HN Hornafjordur (NDB) IC
 HND Hahn (DME) GM
 HNS Hinojosa (NDB) SP
 HNS Hoynes (NDB) NO
 HNT Hohn (TACAN) GM
 HNU Hanau (NDB) GM
 HOC Hochwald (VOR-DME) SZ
 HOD Hof (DME) GM
 HOF Hof (NDB) GM
 HOL Villacoublay (NDB) FR
 HON Hon (NDB) LY
 HON Honiley (VOR-DME) UK
 HOS Hamburg (NDB) GM
 HOS Chios (VOR-DME) GR
 HOZ Holzdorf (TACAN), (NDB) GM
 HP Esbjerg (NDB) DA
 HR Hericourt (NDB) FR
 HR Hierro (DME) SP
 HRZ Herzlia (NDB) IS
 HSA Al Ahsa (VORTAC) SA
 HSA Hesa (NDB-DME) IR
 HSD Haamstede (VOR) NL
 HT Horta (NDB) PO
 HTK Hestvik (NDB) NO
 HUL Huldernberg (VOR-DME) BE
 HUM Hummelfjell (TACAN) NO
 HW Hannover (NDB) GM
 HYE Hyeres (TACAN) FR

I

IAS Iasi (NDB) RO
 IB Tallinn (NDB) EN
 IBA Ibiza (VOR-DME) SP
 ID Das Island (NDB) AE
 IFN Esfanan (TACAN), (NDB) IR
 IFR Ifrane (NDB) MO
 IGL Ingolstadt (TACAN), (NDB) GM

THEATER FLIGHT DATA/PROCEDURES C-31

IDENT NAME/COUNTRY

IGZ In Guezzam (VOR), (NDB) AG
 IKA Ikaria (NDB) GR
 IKA Imam Khomeini (VOR-DME) IR
 IL Ilstad (NDB) NO
 ILB Bistrica (VOR-DME), (NDB) SI
 ILM Ilam (VOR-DME), (NDB) IR
 ILM Illesheim (NDB) GM
 ILZ Illizi (VOR) AG
 IMN In Amenas (VOR-DME) AG
 IMR Izmir (VOR-DME) TU
 IN Zinder (NDB) NG
 INB Inebolu (VOR-DME) TU
 ING Ingo (VOR-DME) IC
 ING St Inglevert (NDB) FR
 INN Innsbruck (NDB) AU
 INS Inverness (VOR-DME) UK
 IOA Ioannina (NDB) GR
 IOF Flotta (NDB) UK
 IOG Ogur (DME) IC
 IOM Isle of Man (VOR-DME) IM
 IPT Isparta (VOR-DME), (NDB) TU
 IRA Iraklion (VOR-DME) GR
 IRM Jerusalem (NDB) WE
 IS Ajaccio/Campo Dell Oro (NDB) FR
 IS Isafjordur (NDB) IC
 ISA Istrana (TACAN), (NDB) IT
 ISD Isfjord (NDB) SV
 ISK Iskenderun (NDB) TU
 ISN Esfahan (VOR-DME) IR
 ISR Iran Shahr (VOR-DME), (NDB) IR
 IST Istanbul (VORTAC) TU
 ISY Islay (DME) UK
 ITA Latina (NDB) IT
 ITR Istres (TACAN), (NDB) FR
 IVR Inverness (NDB) UK
 IZA Ibiza (NDB) SP
 IZD Mizda (NDB) LY
 IZD Ohrid (NDB) MK
 IZK Izki (VOR-DME) MU

J

JA Beograd (NDB) YI
 JAB Jablonka (VOR-DME), (NDB) PL
 JAM Jam (VOR-DME), (NDB) IR
 JAN Jan Mayen (NDB) JN
 JAN Janovce (VOR-DME) LO
 JBA Djerba (VOR-DME) TS
 JBL Jubail (VOR-DME) SA
 JBR Jaszbereny (NDB) HU
 JD Jebel Dhana (NDB) AE
 JDW King Abdulaziz (VORTAC) SA
 JED Jedow (VOR-DME) PL
 JER Jerez (NDB) SP
 JI Jiwani (VOR-DME), (NDB) PK
 JIL Jijel (VOR-DME) AG
 JIR Jiroft (NDB) IR
 JNS Josie (VOR-DME) FI
 JOA Palma De Mallorca (VOR-DME) SP
 JOE Joensuu (NDB) FI
 JON Jonkoping (VOR-DME) SW
 JP Juliett-Papa (NDB) FI
 JR Juliett-Romeo (NDB) FI
 JRM Jahrom (NDB) IR

IDENT NAME/COUNTRY

JRZ Jerez (VOR-DME) SP
 JSK Jask (TACAN) IR
 JSY Jersey (VOR-DME) JE
 JX Vaxjo (NDB) SW
 JYO Amman (NDB) JO
 JYT Qatranah (NDB) JO

K

K Oksywie (NDB) PL
 KA Karup (NDB) DA
 KAD Kadifekale (NDB) TU
 KAD Khaldah (VOR-DME) LE
 KAE Kaedi (NDB) MR
 KAJ Kajaani (NDB) FI
 KAL Kalmar (VOR-DME) SW
 KAL Kalotina (VOR-DME) BU
 KAM Dolsko (NDB) SI
 KAM Kalamata (VOR-DME) GR
 KAM Kamsar (NDB) GV
 KAM Khamis Mushait (VORTAC) SA
 KAN Kano (VOR-DME) NI
 KAR Kars (VOR-DME), (NDB) TU
 KAR Karup (TACAN) DA
 KAS Kastoria (VOR-DME) GR
 KAS Kastrup (VOR-DME) DA
 KAU Kauhava (VOR-DME) FI
 KAV Kavran (NDB) HR
 KAY Kayes (VOR-DME) ML
 KAZ Kahrizak (NDB) IR
 KBA Karlsruhe Baden Baden (NDB) GM
 KBD Karlsruhe Baden Baden (DME) GM
 KBG Karlsborg (NDB) SW
 KBO Koln/Bonn (VOR-DME) GM
 KBV Kobbe (NDB) NO
 KC Nouakchott (VOR-DME) MR
 KD Kbely (NDB) EZ
 KDN Tunis (NDB) TS
 KDR Kadra (NDB) LY
 KE Kosice (NDB) LO
 KEA Kea (VOR-DME) GR
 KEB Sarajevo (VOR-DME) BK
 KEF Kefallinia (NDB) GR
 KEF Keflavik (VORTAC) IC
 KEK Kerkira (NDB) GR
 KEM Kemi (NDB) FI
 KER Kerman (VOR-DME), (TACAN), (NDB) IR
 KER Kerry (NDB) EI
 KF Keflavik (NDB) IC
 KF Kiffa (NDB) MR
 KF Tiksi (NDB) RS
 KFA Damman (VORTAC) SA
 KFK Afyon (VOR-DME), (TACAN), (NDB) TU
 KFN Kefallinia (VOR-DME) GR
 KFR Kufra (VOR-DME), (NDB) LY
 KFR Wafra (VOR-DME) KU
 KFT Klagenfurt (VOR-DME), (NDB) AU
 KG Kobiljaca (NDB) BK
 KHA Khurais (NDB) SA
 KHD Adiyaman (VOR-DME), (NDB) TU
 KHD Kiel Holtenau (DME) GM
 KHG El Kharga (VOR-DME) EG

C-32 THEATER FLIGHT DATA/PROCEDURES

IDENT NAME/COUNTRY

KHGKhark Island (VOR-DME), (NDB) IR
 KHMDayrestan (NDB-DME) IR
 KHMKahramanmaras (VOR-DME),
 (NDB) TU
 KHR.....Chrisoupolis (NDB) GR
 KHY.....Khoy (NDB) IR
 KIAKing Khaled (VORTAC) SA
 KIHKish Island (TACAN), (NDB) IR
 KIKKirkenes (VOR-DME) NO
 KIL.....Kiel Holtenau (NDB) GM
 KIR.....Kirn (VORTAC) GM
 KIS.....Kish Island (VOR-DME) IR
 KIT.....Kithira (NDB) GR
 KIT.....Kittila (NDB) FI
 KKSKirkenes (NDB) NO
 KLAKantola (VOR-DME) FI
 KLAKlaipeda (VOR-DME) LH
 KLCKaklic (TACAN) TU
 KLFKlasdorf (VOR-DME) GM
 KLHKalaleh (NDB) IR
 KLIKasteli (TACAN) GR
 KLM.....Kalamata (TACAN) GR
 KLO.....Kloten (VOR-DME) SZ
 KLPKolocep (NDB) HR
 KLYKilliney (NDB) EI
 KMArkhangelsk (NDB) RS
 KMCKing Khaled Military City
 (VORTAC) SA
 KMIKmiecin (VOR) PL
 KML.....Kamishly (VOR-DME), (NDB) SY
 KMSKermanshah (VOR-DME), (NDB) IR
 KN.....Beograd (NDB) YI
 KN.....Kankan (NDB) GV
 KN.....Oksywie (NDB) PL
 KNAKaunas (VOR-DME) LH
 KNAKenana (VOR-DME), (NDB) SU
 KNE.....Kunovice (NDB) EZ
 KNGKonig (NDB) GM
 KNIKainuu (VOR-DME) FI
 KNK.....Connaught (NDB) EI
 KNOKautokeino (TACAN) NO
 KNS.....Kaunis (VOR-DME) FI
 KNY.....Konya (VOR-DME), (NDB) TU
 KO.....Kozala (NDB) HR
 KOKKoksy (VORTAC) BE
 KONKonya (TACAN) TU
 KOR.....Korinthos (NDB) GR
 KOR.....Korsa (VOR-DME) DA
 KOR.....Korso (NDB) FI
 KOS.....Kos (VOR-DME), (NDB) GR
 KOZ.....Kozani (VOR-DME) GR
 KPLKavala (VOR-DME) GR
 KPTKempten (VOR-DME) GM
 KR.....Conakry (NDB) GV
 KR.....Kaliningrad (NDB) RS
 KRA.....Aden (VOR-DME) YM
 KRA.....Kiruna (VOR-DME) SW
 KRC.....Karpachos (NDB) GR
 KRD.....Khoram Abad (VOR-DME), (NDB)
 IR
 KRH.....Karlsruhe (VOR-DME) GM
 KRK.....Kerkira (VOR-DME) GR
 KRK.....Kirkuk (TACAN) IZ

IDENT NAME/COUNTRY

KRMKarmoy (VOR-DME) NO
 KRNKarnice (VOR-DME) PL
 KRNKotroni (TACAN) GR
 KROKaristos (VOR-DME) GR
 KRP.....Kavala (TACAN) GR
 KRSKaristos (NDB) GR
 KRS.....Kuressaare (VOR-DME) EN
 KRT.....Kartuzy (VOR-DME) PL
 KRU.....Kruunu (NDB) FI
 KRWKrakow (NDB) PL
 KSKilo-Sierra (NDB) FI
 KSKinloss (NDB) UK
 KSC.....Kosice (VOR-DME) LO
 KSD.....Karlstad (VOR-DME) SW
 KSH.....Kermanshah (TACAN) IR
 KSLKassel (NDB) GM
 KSOKastoria (NDB) GR
 KSR.....Errachidia (NDB) MO
 KSR.....Kayseri (VOR-DME), (TACAN) TU
 KSS.....Kinloss (TACAN) UK
 KTKatsina (NDB) NI
 KTA.....Kalamata (NDB) GR
 KTG.....Kitzingen (VOR) GM
 KTIKuhtai (NDB) AU
 KTM.....Khartoum (VOR-DME) SU
 KTN.....Kariatain (VOR-DME), (NDB) SY
 KTR.....Kithira (TACAN) GR
 KUAKuwait (VOR-DME) KU
 KUNKunovice (NDB) EZ
 KUR.....Kurki (NDB) FI
 KUS.....Kaunas (NDB) LH
 KUT.....Kutahya (TACAN) TU
 KVKvalsund (NDB) NO
 KVB.....Kvernberget (VOR-DME) NO
 KVR.....Kavouri (NDB) GR
 KVV.....Klarlovy Vary (VOR-DME) EZ
 KWKirkwall (NDB) UK
 KWKlagenfurt (NDB) AU
 KWLKirkwall (VOR-DME) UK
 KZNKozani (NDB) GR

L

LAArlanda (NDB) SW
 LALangholt (NDB) IC
 LALyneham (NDB) UK
 LANamest (NDB) EZ
 LAA.....Laanila (NDB) FI
 LAB.....Labraq (NDB) LY
 LAB.....Landsberg (TACAN) GM
 LAG.....Laage (TACAN) GM
 LAJ.....Lajes (TACAN) PO
 LAK.....Banja Luka (VOR-DME) BK
 LAMLambourne (VOR-DME) UK
 LAMLamerd (NDB) IR
 LAP.....La Praz (DME) SZ
 LAR.....Arruda (NDB) PO
 LAR.....Lar (VOR-DME), (NDB) IR
 LAR.....Larisa (TACAN) GR
 LATLatina (VOR-DME), (NDB) IT
 LAU.....Lichtenau (NDB) GM
 LAV.....Landvetter (VOR-DME) SW
 LAYIslay (NDB) UK
 LAYLaayoune (VOR-DME) WI

THEATER FLIGHT DATA/PROCEDURES C-33

IDENT NAME/COUNTRY

LB Bahrain (NDB) BA
 LB Labe (NDB) GV
 LBA Leeds Bradford (NDB) UK
 LBE Elbe (VOR-DME) GM
 LBN Trakshi (VOR-DME) LG
 LBU Luburg (VOR-DME) GM
 LCA La Chatre (VOR) FR
 LCA Larnaca (VOR-DME), (NDB) CY
 LCC Lecce (VORTAC) IT
 LCH Lechfeld (TACAN) GM
 LCY City (NDB) UK
 LCZ Murcia/San Javier (NDB) SP
 LDV Landivisiau (TACAN) FR
 LDZ Lodz (VOR-DME) PL
 LE Leicester (NDB) UK
 LED Leipzig South (DME) GM
 LEE Leeming (TACAN) UK
 LEG Leipzig (VOR-DME) GM
 LEN Bandar Lengeh (VOR-DME), (NDB) IR
 LEN Leon (NDB) SP
 LEQ Lesquin (VOR-DME) FR
 LEV Levaldigi (NDB) IT
 LEZ Nice (NDB) FR
 LF Ronneby (NDB) SW
 LG Liege (NDB) BE
 LGE Liege (VOR-DME) BE
 LGL L'Aigle (VOR) FR
 LGM La Gomera (VOR-DME) SP
 LHR Lahr (NDB) GM
 LIC Lichfield (NDB) UK
 LIE Liepaja (VOR-DME) LG
 LIE Lieto (NDB) FI
 LIN Linate (VOR-DME), (NDB) IT
 LIN Linin (VOR-DME) PL
 LIO Limnos (NDB) GR
 LIS Lisboa (VOR-DME) PO
 LJ Koln/Bonn (NDB) GM
 LJU Ljungbyhed (VOR-DME) SW
 LK Tallinn (NDB) EN
 LKH Lakenheath (TACAN) UK
 LLB Lalibella (NDB) ET
 LL Leirin (NDB) NO
 LL Tel Aviv (NDB) IS
 LM Lajes (VOR) PO
 LM Le Mans (NDB) FR
 LM Malta (DME) MT
 LMA Lima (NDB) GM
 LMG Limoges (VOR-DME) FR
 LMN Limnos (TACAN) GR
 LMO Limnos (VOR-DME) GR
 LMT Lamezia Terme (VOR-DME) IT
 LN Lannion (NDB) FR
 LNA Lena (NDB) SW
 LND Lands End (VOR-DME) UK
 LND Leipzig North (DME) GM
 LNE Luonet (VOR-DME) FI
 LNO Olno (VOR-DME) BE
 LNZ Linz (VOR-DME), (NDB) AU
 LO Billund (NDB) DA
 LO Luxor (NDB) EG
 LON London (VOR-DME) UK
 LON Longyear (NDB) SV

IDENT NAME/COUNTRY

LOO Linton On Ouse (TACAN) UK
 LOR Dabra (NDB) LY
 LOR Lorient (TACAN), (NDB) FR
 LOS Losinj (NDB) HR
 LOT Eilott (VOR-DME) IS
 LP Ronneby (NDB) SW
 LPA Logrono (VOR-DME) SP
 LPC Gran Canaria (VOR-DME) SP
 LPD Lampedusa (VOR-DME), (NDB) IT
 LPS Les Eplatures (NDB) SZ
 LQ Landsberg (NDB) GM
 LQA Luqa (NDB) MT
 LRA La Coruna (VOR-DME) SP
 LRA Lara (VOR-DME) TU
 LRD Lahr (DME) GM
 LRD Lerida (NDB) SP
 LS Langeneset (NDB) NO
 LSA Larisa (NDB) GR
 LSE Lyon/Saint Exupery (VOR-DME) FR
 LST Lista (TACAN), (NDB) NO
 LSV Lesvos (VOR-DME) GR
 LT Chokurdakh (NDB) RS
 LTE Lanzarote (VOR-DME) SP
 LTK Bassel Al Assad (VOR-DME), (NDB) SY
 LTP La Tour Du Pin (VOR-DME) FR
 LU Le Luc (NDB) FR
 LUB Lubeck (VOR) GM
 LUB Lubin (NDB) PL
 LUC Le Luc (VOR-DME) FR
 LUD Lubeck Blankensee (DME) GM
 LUE Lunde (NDB) SW
 LUK Leuchars (TACAN) UK
 LUL Luxeuil (VOR) FR
 LUP Laupheim (NDB) GM
 LUX Luxembourg (VOR-DME) LU
 LV Koln/Bonn (NDB) GM
 LVA Lavan Island (VOR-DME), (NDB) IR
 LVO Lesvos (NDB) GR
 LW Koln/Bonn (NDB) GM
 LWB Lowenberg (VOR-DME) GM
 LWD Leeuwarden (TACAN) NL
 LXI Luxeuil (TACAN), (NDB) FR
 LXR Luxor (VOR-DME) EG
 LYD Lydd (VOR-DME) UK
 LYE Lubeck Blankensee (NDB) GM
 LYE Lyneham (TACAN) UK
 LZ Lanzarote (NDB) SP
 LZR Lanzarote (VOR-DME) SP

M

MA Al Dhafra (VORTAC) AE
 MA Leipzig (NDB) GM
 MA Matam/Ouro Sogui (NDB) SG
 MAA Al Asad (TACAN) IZ
 MAC Machrihanish (VOR-DME) UK
 MAD Madeira (NDB) PO
 MAG Magdeburg (VOR-DME) GM
 MAH Mahshahr (VOR-DME) IR
 MAH Maisach (VOR-DME) GM
 MAK Mackel (NDB) BE
 MAK Marrakech (VOR-DME) MO
 MAK Marsa Alam (VOR-DME) EG

C-34 THEATER FLIGHT DATA/PROCEDURES

IDENT	NAME/COUNTRY
MAL . . . .	.Malayer (VOR-DME) IR
MAL . . . .	.Malpensa (VOR-DME), (NDB) IT
MAM . . . .	.Marham (TACAN) UK
MAR . . . .	.Houari Boumediene (NDB) AG
MAR . . . .	.Marie (VOR-DME) FI
MAR . . . .	.Marseille/Provence (NDB) FR
MAR . . . .	.Martin (VOR-DME) SP
MAS . . . .	.Maastricht (VOR-DME) NL
MAT . . . .	.Al Taqaddum (TACAN) IZ
MAY . . . .	.Mayfield (VOR-DME) UK
MB . . . . .	.Dakhla (NDB) EG
MB . . . . .	.Marsa Brega (NDB) LY
MBA . . . .	.Smara (VOR-DME) WI
MBG . . . .	.Moosburg (VOR-DME) GM
MBY . . . .	.Moulins/Montbeugny (VOR) FR
MC . . . . .	.Montlucon (NDB) FR
MCH . . . .	.Manchester (NDB) UK
MCH . . . .	.Mechria (NDB) AG
MCT . . . .	.Manchester (VOR-DME) UK
MCT . . . .	.Seeb (VOR-DME) MU
MDB . . . .	.Queen Alia (NDB) JO
MDF . . . .	.Milldorf (VOR-DME) GM
MDM . . . .	.Mont De Marsan (TACAN) FR
ME . . . . .	.Menderes (NDB) TU
MEA . . . .	.El Golea (NDB) AG
MEG . . . .	.Mengen (NDB) GM
MEL . . . .	.Melilla (VOR-DME) SP
MEL . . . .	.Metlika (NDB) SI
MEN . . . .	.Mende (VOR-DME) FR
MEN . . . .	.Menderes (VOR-DME), (TACAN) TU
MER . . . .	.Aleppo (NDB) SY
MES . . . .	.Mesnali (VOR-DME) NO
MES . . . .	.Mesta (VOR-DME) GR
MET . . . .	.Metz (TACAN) FR
MEZ . . . .	.Mezze (NDB) SY
MG . . . . .	.Ljubljana (NDB) SI
MGA . . . .	.Magala (VOR-DME) SA
MGA . . . .	.Malaga (VOR-DME) SP
MGB . . . .	.Monchengladbach (NDB) GM
MGD . . . .	.Magdeburg (DME) GM
MGL . . . .	.Ponta Delgada (NDB) PO
MGR . . . .	.Megara (NDB) GR
MGV . . . .	.McGovern (NDB) BK
MHD . . . .	.Monchengladbach (DME) GM
MHN . . . .	.Menorca (VOR-DME) SP
MHV . . . .	.Monchengladbach (VOR) GM
MIA . . . .	.Melilla (NDB) SP
MIC . . . .	.Michaelsdorf (VOR) GM
MID . . . .	.Midhurst (VOR-DME) UK
MIK . . . .	.Mikra (TACAN) GR
MIL . . . .	.Milos (VOR-DME) GR
MIO . . . .	.Montijo (NDB) PO
MIQ . . . .	.Mike (NDB) GM
MIS . . . .	.Masjed Soleiman (NDB) IR
MIS . . . .	.Misurata (VOR-DME) LY
MIU . . . .	.Maiduguri (VOR-DME) NI
MJ . . . . .	.Marseille/Provence (NDB) FR
MJV . . . .	.Palma De Mallorca (VOR-DME) SP
MK . . . . .	.Mekele (NDB) ET
MKA . . . .	.Mikra (TACAN) GR
MKN . . . .	.Mikonos (VOR-DME) GR
MKO . . . .	.Mikonos (NDB) GR

IDENT	NAME/COUNTRY
MKR . . . .	.Mikra (VOR-DME) GR
MKS . . . .	.Meknes (VOR) MO
MKT . . . .	.Cairo (NDB) EG
ML . . . . .	.Aarhus (NDB) DA
MLA . . . .	.Maella (VOR-DME) SP
MLD . . . .	.Mildenhall (TACAN) UK
MLG . . . .	.Malaga (VOR-DME) SP
MLL . . . .	.Melilla (DME) SP
MLN . . . .	.Melun (VOR-DME) FR
MLN . . . .	.Mitilini (VOR-DME) GR
MLO . . . .	.Milos (NDB) GR
MLS . . . .	.Milos (TACAN) GR
MLT . . . .	.Malta (NDB) MT
MLX . . . .	.Morlaix (NDB) FR
MM . . . . .	.Montceau-Les-Mines (NDB) FR
MM . . . . .	.Parsabade Moghan (NDB) IR
MMD . . . .	.Montmedy (VOR) FR
MN . . . . .	.Menorca (NDB) SP
MNA . . . .	.El Golea (VOR-DME) AG
MND . . . .	.Mannheim (DME) GM
MNE . . . .	.Munchen (NDB) GM
MNF . . . .	.Moron (NDB) SP
MNI . . . .	.Merzifon (TACAN) TU
MNL . . . .	.Amendola (TACAN) IT
MNR . . . .	.Monor (VOR-DME), (NDB) HU
MNT . . . .	.Manantali (NDB) ML
MNW . . . .	.Munchen (NDB) GM
MOD . . . .	.Munster (DME) GM
MOJ . . . .	.Mojkovac (NDB) YI
MOJ . . . .	.Montijo (TACAN) PO
MOK . . . .	.Bordj Mokhtar (VOR), (NDB) AG
MON . . . .	.Monastir (VOR-DME) TS
MOS . . . .	.Mosjoen (TACAN) NO
MOS . . . .	.Mostaganem (VOR-DME), (NDB) AG
MOT . . . .	.Montana (VOR-DME) SZ
MOU . . . .	.Moulins (VOR-DME), (NDB) FR
MR . . . . .	.Maribor (NDB) SI
MR . . . . .	.Masirah (NDB) MU
MRA . . . .	.Mragowo (VOR-DME) PL
MRB . . . .	.Marib (NDB) YM
MRD . . . .	.Mardin (VOR-DME), (NDB) TU
MRH . . . .	.Masirah Island (VORTAC) MU
MRL . . . .	.Marmul (VOR-DME) MU
MRM . . . .	.Marseille/Provence (VOR-DME) FR
MRN . . . .	.Moron (VOR-DME), (TACAN) SP
MRW . . . .	.Merowe (VOR-DME) SU
MS . . . . .	.Massawa (NDB) ER
MSD . . . .	.Mashhad (VOR-DME), (TACAN), (NDB) IR
MSE . . . .	.Munchen (NDB) GM
MSK . . . .	.Morskogen (NDB) NO
MSR . . . .	.Mostar (VOR-DME) BK
MST . . . .	.Greven (NDB) GM
MSW . . . .	.Munchen (NDB) GM
MT . . . . .	.Saint Nazaire/Montoir (NDB) FR
MTD . . . .	.Montdidier (VOR) FR
MTG . . . .	.Martigues (VOR-DME) FR
MTG . . . .	.Mitiga (VOR) LY
MTI . . . .	.Mopti/Ambodedjo (VOR) ML
MTL . . . .	.Monte Real (NDB) PO
MTL . . . .	.Montelimar (VOR-DME) FR
MTN . . . .	.Salamanca (NDB) SP

THEATER FLIGHT DATA/PROCEDURES C-35

IDENT NAME/COUNTRY

MTR. Metro (VOR) GM
MTR. Monte Real (TACAN) PO
MU. Magdeburg (NDB) GM
MUN. Munchen (VOR-DME) GM
MUR. Muri (NDB) SZ
MUS. Mus (VOR-DME), (NDB) TU
MUS. Nice Cote D Azur (NDB) FR
MUT. Mut (VOR-DME) TU
MXR. Almaza (TACAN) EG
MY. Maradi (NDB) NG
MY. Myggenes (NDB) FO
MYN. Munster (NDB) GM
MZ. Mezen (NDB) RS
MZD. Metzada (VOR-DME) IS

N

N. Oksywie (NDB) PL
N. Titan (NDB) HU
NA. Salekhard (NDB) RS
NAK. Nacka (NDB) SW
NAN. Nea Anchialos (NDB) GR
NAT. Natania (VOR-DME) IS
NAT. Natta (VOR-DME) SW
NAY. Nancy (TACAN) FR
NB. Bordeaux (NDB) FR
NB. Botn (NDB) IC
NB. Bromma (NDB) SW
NCS. Nagycserkesz (NDB) HU
ND. Banjul (NDB) GA
NDG. Nordlingen (NDB) GM
NDO. Nordholz (TACAN), (NDB) GM
NEA. Tabanera (VOR-DME) SP
NEG. Neubrandenburg (TACAN) GM
NEJ. Nejran (VORTAC) SA
NER. Neratovice (VOR-DME) EZ
NEU. Neuburg (TACAN) GM
NEV. Nevers (VOR) FR
NEW. Newcastle (VOR-DME) UK
NF. Nordfjordur (NDB) IC
NG. Nimes/Garons (NDB) FR
NGD. Nurnberg (DME) GM
NGY. New Galloway (NDB) UK
NH. Nouakchott (NDB) MR
NID. Niederrhein (DME) GM
NIE. Nienburg (VOR) GM
NIK. Nicky (VOR-DME) BE
NIK. Niksic (NDB) YI
NIM. Nimes (TACAN) FR
NIS. Nis (VOR-DME) YI
NIT. Nitra (VOR-DME), (NDB) LO
NIZ. Nice (VOR-DME) FR
NK. Oksywie (NDB) PL
NL. Nols (NDB) FO
NM. Nema (VOR) MR
NM. N Mora (NDB) SW
NMN. Mendig (NDB) GM
NMS. Namsos (NDB) NO
NOA. Nora (VOR) DA
NOL. Nolvik (VOR) SW
NOR. Norvenich (VORTAC) GM
NOT. Nottingham (NDB) UK
NOV. Novara (NDB) IT
NRG. Neubrandenburg (NDB) GM

IDENT NAME/COUNTRY

NS. Sturup (NDB) SW
NSA. Nisa (VORTAC) PO
NSL. In Salah (VOR-DME) AG
NSN. Niederstetten (NDB) GM
NSR. Noshahr (NDB) IR
NSY. Navy Sigonella (TACAN) IT
NT. Titan (NDB) HU
NTD. Notodden (NDB) NO
NTL. Nortel (VOR-DME) SW
NTM. Nattenheim (VORTAC) GM
NTS. Nantes (VOR-DME) FR
NV. Vilhelmina (NDB) SW
NVS. Navas (VOR-DME) SP
NW. Maastricht (NDB) NL
NWB. Nuweibaa (NDB) EG
NY. Niamey (VOR-DME) NG
NYL. Nyala (VOR-DME) SU
NYR. Nyiregyhaza (VOR) HU

O

O. Opera (NDB) HU
OA. Khatanga (NDB) RS
OA. Marmul (NDB) MU
OA. Opera (NDB) HU
OA. Samah (NDB) LY
OAN. Orleans (TACAN), (NDB) FR
OB. Brussels (NDB) BE
OB. Giallo (NDB) LY
OB. Marseille/Provence (NDB) FR
OB. Stefanik South (NDB) LO
OBD. El Obeid (VOR-DME), (NDB) SU
OBI. Oberpfaffenhofen (NDB-DME) GM
OBR. Beograd (NDB) YI
OCK. Ockham (VOR-DME) UK
OCT. October (NDB) EG
ODH. Odiham (TACAN) UK
ODN. Odin (VOR-DME) DA
ODR. Odderoy (NDB) NO
OEM. Kristianstad (NDB) SW
OF. Filton (NDB) UK
OG. Gallivare (NDB) SW
OG. Gavle (NDB) SW
OG. Onega (NDB) RS
OG. Ouagadougou (VOR-DME) UV
OHR. Ohrid (VOR-DME) MK
OHT. Arlanda (NDB) SW
OJ. Essider (NDB) LY
OJD. Oujda (VOR-DME) MO
OK. Boke (NDB) GV
OK. Connaught (NDB) EI
OK. Oscar Kilo (NDB) IC
OKE. Okecie (VOR-DME) PL
OKF. Desna (VOR-DME) EZ
OKG. Cheb (VOR-DME) EZ
OKL. Praha (VOR-DME) EZ
OKR. Stefanik North (NDB) LO
OKT. Kortrijk (NDB) BE
OKX. Frydlant (VOR-DME) EZ
OL. Ghaba (NDB) MU
OL. Orly (VOR-DME) FR
OL. Szczecin (NDB) PL
OMA. Omarska (VOR-DME) BK
OMD. Omidiyeh (VORTAC), (NDB) IR

C-36 THEATER FLIGHT DATA/PROCEDURES

IDENT	NAME/COUNTRY
ONC	Charleroi (NDB) BE
ONL	Liege (NDB) BE
ONO	Oostende (NDB) BE
ONT	Kleine Brogel (NDB) BE
ONW	Antwerpen (NDB) BE
OP	Kiruna (NDB) SW
OPA	Oppaker (NDB) NO
OPE	Otopeni (NDB) RO
OPW	Otopeni (NDB) RO
OR	Rzeszow (NDB) PL
OR	Warehouse 59A (NDB) LY
ORA	Oradea (NDB) RO
ORA	Oran (VOR-DME) AG
ORG	Orange (TACAN), (NDB) FR
ORI	Orio Al Serio (VOR-DME), (NDB) IT
ORL	Orland (TACAN) NO
ORM	Orimaa (VOR-DME) FI
ORT	Ortanova (TACAN) IT
ORZ	Ouarzazate (NDB) MO
OSB	Osnabruck (TACAN) GM
OSJ	Osijek (NDB) HR
OSK	Ornskoldsvik (VOR-DME) SW
OSN	Osnabruck (VOR) GM
OSS	Ostersund (VOR-DME) SW
OST	Ostia (VOR-DME), (NDB) IT
OTA	Ostrava (VOR-DME) EZ
OTL	Otopeni (NDB) RO
OTR	Ottringham (VOR-DME) UK
OU	Bromma (NDB) SW
OUA	Ouagadougou (NDB) UV
OUK	Oulu (VOR-DME) FI
OV	Nafoora M4 (NDB) LY
OVD	Ovda (VOR-DME), (NDB) IS
OVR	Ovar (TACAN) PO
OWT	Shark El Oweinat (NDB) EG
OX	Oxford (NDB), (DME) UK
OXY	Alpha 103 (NDB) LY
OY	Aldergrove (NDB) UK
OY	Sveg (NDB) SW
OYA	Andoya (TACAN) NO
OYE	Orly (NDB) FR
OZ	Brussels (NDB) BE
OZ	Kardla (NDB) EN
OZ	Skallen (NDB) SW
OZE	Bolzano (VOR-DME) IT
OZT	Ouarzazate (VOR-DME) MO

P

PA	Pajuostis (NDB) LH
PA	Patreksfjordur (NDB) IC
PAD	Paderborn/Lippstadt (NDB-DME) GM
PAD	Parsabade Moghan (NDB) IR
PAH	Schwerin-Parchim (NDB) GM
PAK	Preveza (NDB) GR
PAL	Palermo (VOR-DME), (NDB) IT
PAL	Palmyra (NDB) SY
PAM	Pamplona (NDB) SP
PAM	Pampus (VOR-DME) NL
PAN	Pantelleria (VOR-DME), (NDB) IT
PAO	Paros (NDB) GR
PAP	Pamplona (VOR-DME) SP
PAR	Paradisi (VOR-DME) GR

IDENT	NAME/COUNTRY
PAR	Parma (NDB) IT
PAS	Passeiry (VOR-DME) SZ
PC	Parduc (NDB) HU
PD	Ponta Delgada (NDB) PO
PDT	Perales (VOR-DME) SP
PDV	Padova (NDB) IT
PDV	Plovdiv (VOR-DME) BU
PE	Nouadhibou (VOR-DME) MR
PE	Tatry (NDB) LO
PED	Perdasdefogu (TACAN) IT
PEP	Prilep (NDB-DME) MK
PES	Pescara (VOR-DME) IT
PF	Murmansk (NDB) RS
PG	Porto (NDB) PO
PG	Ruzyne Middle (NDB) EZ
PGS	Charles De Gaulle (VOR-DME) FR
PHA	Pafos (VOR-DME), (TACAN), (NDB) CY
Pl	Pico (NDB) PO
Pl	Poitiers (NDB) FR
Pl	Schwerin-Parchim (NDB) GM
PIA	Piacenza (TACAN), (NDB) IT
PIK	Prestwick (NDB) UK
PIM	Payam (VOR-DME), (NDB) IR
PIN	Pisa (TACAN) IT
PIR	Pirkka (VOR-DME) FI
PIS	Pisa (VOR-DME), (NDB) IT
PIS	Pisarovina (NDB) HR
PK	Pevek (NDB) RS
PK	Prvek (NDB) EZ
PLA	Pula (NDB) HR
PLH	Paleochora (VOR-DME) GR
PMA	Prince Mohammad Bin Abdulaziz (VOR-DME) SA
PMD	Schwerin-Parchim (DME) GM
PN	Palanga (NDB) LH
PND	Valencia (NDB) SP
PNO	Piaseczno (NDB) PL
PNZ	Ponza (VORTAC), (NDB) IT
PO	Potiskum (VOR-DME) NI
POD	Podgorica (VOR-DME), (NDB) YI
POI	Poitiers (VOR) FR
POL	Pole Hill (VOR-DME) UK
POM	Pomigiano (VOR-DME), (NDB) IT
PON	Pontoise (VOR) FR
POR	Pori (NDB) FI
POR	Porto (NDB) PO
POS	Pollensa (VOR-DME) SP
POZ	Pozarevac (NDB) YI
POZ	Poznan (NDB) PL
PP	Pecs-Pogany (NDB) HU
PPD	Tatry (VOR-DME), (NDB) LO
PPG	Perpignan (VOR-DME) FR
PPN	Pamplona (VOR-DME) SP
PR	Ruzyne North (NDB) EZ
PRA	El Prat (VOR-DME) SP
PRA	Pratica Di Mare (NDB) IT
PRB	Sabah 74 (NDB) LY
PRC	Zella 74 (NDB) LY
PRI	Previk (VOR-DME) FI
PRN	Parnu (VOR-DME) EN
PRS	Raisi (VOR-DME), (NDB) IT
PRT	Peretola (VOR-DME) IT

THEATER FLIGHT DATA/PROCEDURES C-37

IDENT	NAME/COUNTRY
PRT	Porto (VOR-DME) PO
PRT	Pristina (VOR-DME) YI
PRU	Perugia (VOR-DME) IT
PS0	Pump Station 10 (NDB) SA
PS3	Pump Station 3 (NDB) SA
PS6	Pump Station 6 (NDB) SA
PS9	Pump Station 9 (NDB) SA
PSA	Prince Sultan (VORTAC) SA
PSA	Spessart (NDB) GM
PSD	Port Said (VOR-DME) EG
PSD	Port Sudan (VOR-DME), (NDB) SU
PSJ	Seinajoki (NDB) FI
PST	Porto Santo (NDB) PO
PT	Katowice (NDB) PL
PTC	Porto Colom (NDB) SP
PTH	Perth (VOR) UK
PTV	Pithiviers (VOR) FR
PUL	Pula (VOR-DME) HR
PVO	Porvoo (VOR-DME) FI
PW	Prestwick (NDB) UK
PW	Tatry (NDB) LO
PY	Plymouth (NDB) UK
PZ	Portoroz (NDB) SI

Q

QA	Queen Alia (NDB) JO
QAA	Queen Alia (VOR-DME) JO
QHA	Mekele (VOR-DME) ET
QPR	Quimper (VOR-DME) FR
QTR	Qatranah (VOR-DME) JO
QUN	Qunfidah (VOR-DME) SA
QYW	Qayyarah West (TACAN) IZ

R

R	Parnu (NDB) EN
R	Varna (NDB) BU
RA	Raufarhofn (NDB) IC
RA	Rene Mouawad (NDB) LE
RAF	Raffa (VOR-DME) SA
RAF	Rafsanjan (NDB-DME) IR
RAK	Rakovnik (NDB) EZ
RAM	Ramme (VOR-DME) DA
RAN	Ranta (NDB) FI
RAS	Ras Mishab (VORTAC) SA
RAV	Ras Al Khaimah (VOR-DME) AE
RB	Orebro (NDB) SW
RBG	Rabigh (VOR-DME) SA
RBO	Robledillo (VOR-DME) SP
RBT	Rabat (VOR-DME) MO
RBT	Rambouillet (VOR-DME) FR
RBU	Rambu (NDB) NO
RC	Parnu (NDB) EN
RCA	Reggio Calabria (VOR-DME), (NDB) IT
RCH	Ronchi (VOR-DME) IT
RD	Murmansk (NDB) RS
RDG	Roding (VORTAC) GM
RDS	Rodos (VOR-DME) GR
RE	Reykjaneskoli (NDB) IC
REK	Reksten (NDB) NO
REM	Reims (VORTAC) FR
REN	Rennes (VOR-DME) FR

IDENT	NAME/COUNTRY
RES	Reus (VOR-DME) SP
RG	Tune (NDB) NO
RGB	Ragha (VOR-DME) SA
RGN	Reggan (NDB) AG
RH	Reykholt (NDB) IC
RIA	Riga (VOR-DME) LG
RID	Ried (VOR-DME) GM
RIM	Rimini (VORTAC), (NDB) IT
RIN	Riyan (VOR-DME) YM
RIV	Rivolto (TACAN), (NDB) IT
RIY	Riyadh (VORTAC) SA
RJK	Rijeka (VOR-DME) HR
RK	Reykjavik (NDB) IC
RK	Roskilde (NDB) DA
RKL	Iraklion (TACAN) GR
RKN	Rekken (VOR-DME) NL
RLP	Rolampont (VOR-DME) FR
RMA	Malaga (NDB) SP
RMS	Ramstein (TACAN) GM
RNZ	Arzanah (NDB) AE
RO	Romeo-Oscar (NDB) FI
RO	Rothenburg (NDB) GM
ROA	Roanne (VOR) FR
ROD	Rodos (TACAN) GR
ROE	Ronne (VOR-DME), (TACAN) DA
ROI	Rovani (VOR-DME) FI
ROM	Roma (VOR-DME) IT
RON	Ronchi (NDB) IT
ROP	Rosh Pina (VOR-DME) IS
ROS	Rodos (NDB) GR
ROT	Rotterdam (NDB) NL
ROU	Rouen (VOR) FR
RP	Malacky (NDB) LO
RPA	Karpathos (TACAN) GR
RPN	Rosh Pina (NDB) IS
RQ	Quimper (NDB) FR
RS	Roest (VOR-DME) NO
RSR	Rush (NDB) EI
RSH	Rush (NDB) EI
RSR	Ramsar (NDB-DME) IR
RST	Rasht (VOR-DME), (NDB) IR
RSY	Rennesoy (NDB) NO
RT	Ras Tanura (NDB) SA
RTB	Rothenbach (NDB) GM
RTM	Rotterdam (VOR-DME) NL
RTN	Romorantin (NDB) FR
RTT	Rattenberg (NDB) AU
RUS	Reus (NDB) SP
RUS	Rudeshur (NDB) IR
RUS	Ruse (NDB) BU
RUS	Rusko (VOR-DME) FI
RVK	Roerik (VOR-DME) NO
RW	Tegel West (NDB) GM
RYG	Rygge (TACAN) NO
RZ	Rzeszow (NDB) PL
RZE	Rzeszow (VOR-DME) PL

S

S	Bydgoszcz (NDB) PL
S	Sofia (NDB) BU
SA	Mielec (NDB) PL
SA	Santander (NDB) SP
SA	Skagi (NDB) IC
SA	Sorreisa (NDB) NO

C-38 THEATER FLIGHT DATA/PROCEDURES

IDENT	NAME/COUNTRY	IDENT	NAME/COUNTRY
SAA	.....Sanaa (VOR-DME) YM	SHA	.....Sharurah (VORTAC) SA
SAB	.....Sabiha Gokcen (NDB) TU	SHD	.....Sahand (NDB-DME) IR
SAB	.....St. Abbs (VOR-DME) UK	SHD	.....Schwabisch (DME) GM
SAD	.....Saarbrucken (DME) GM	SHD	.....Scotstown Head (NDB) UK
SAD	.....Sandsund (NDB) NO	SHJ	.....Sharjah (VOR-DME) AE
SAG	.....Sajohidveg (VOR-DME), (NDB) HU	SHM	.....Sharm El Sheikh (VOR-DME) EG
SAH	.....In Salah (NDB) AG	SHR	.....Shahroud (NDB) IR
SAH	.....Sanaa (NDB) YM	SHT	.....Sitia (VOR-DME) GR
SAL	.....Sal (NDB) CV	SHU	.....Schupberg (NDB) SZ
SAL	.....Sali (NDB) HR	SI	.....Shaikh Isa (NDB) BA
SAL	.....Salon (TACAN), (NDB) FR	SI	.....Siguiri (NDB) GV
SAM	.....Samos (VOR-DME) GR	SIA	.....Shaikh Isa (VORTAC) BA
SAM	.....Southampton (VOR-DME) UK	SIB	.....Sibiu (NDB) RO
SAN	.....Salalah (NDB) MU	SIE	.....Siedlce (VOR-DME) PL
SAN	.....Santorini (TACAN) GR	SIE	.....Siena (VOR-DME) IT
SAR	.....Sarajevo (VORTAC) BK	SIE	.....Somosierra (VOR-DME) SP
SAT	.....Eleftherios Venizelos (VOR-DME) GR	SIG	.....Sigdal (VOR-DME) NO
SAT	.....St Athan (TACAN) UK	SIG	.....Sigonella (TACAN), (NDB) IT
SAT	.....Satu Mare (VOR-DME), (NDB) RO	SIL	.....Siegerland (NDB) GM
SAU	.....Sauveterre (VOR) FR	SIN	.....Sinko (VOR-DME) MK
SAU	.....Siauliai (VOR-DME) LH	SIN	.....Sinop (VOR-DME), (NDB) TU
SAV	.....Saveh (NDB-DME) IR	SIO	.....Sion (VOR-DME) SZ
SAV	.....Saverne (VOR-DME) FR	SIR	.....Sirri Island (VOR-DME), (NDB) IR
SAY	.....Stornoway (NDB-DME) UK	SIT	.....Sitia (VOR-DME) GR
SAZ	.....Sarzana (TACAN) IT	SIV	.....Sivas (VOR-DME), (NDB) TU
SB	.....Assab (NDB) ER	SJA	.....Senja (NDB) NO
SB	.....Sambailo (NDB) GV	SK	.....Leipzig (NDB) GM
SBD	.....Sabadell (NDB) SP	SK	.....Sierra-Kilo (NDB) FI
SBG	.....Salzburg (VOR-DME), (NDB) AU	SKA	.....Skelleftea (VOR-DME) SW
SBH	.....Sabiha Gokcen (VOR-DME) TU	SKC	.....Skiathos (NDB) GR
SBH	.....Sumburgh (NDB) UK	SKD	.....Shahre Kord (VOR-DME), (NDB) IR
SBI	.....Rabat (NDB) MO	SKG	.....Kedougou (NDB) SG
SBN	.....Saarbrucken (NDB) GM	SKG	.....Skagen (VOR-DME) NO
SBZ	.....Sabzevar (VOR-DME), (NDB) IR	SKI	.....Skien (VOR-DME) NO
SCA	.....Salamanca (NDB) SP	SKJ	.....Skopje (VOR-DME) MK
SCL	.....Saint Christol (NDB) FR	SKK	.....Kaolack (NDB) SG
SCT	.....Socotra (NDB) YM	SKL	.....Skopelos (TACAN) GR
SCV	.....Suceava (VOR-DME) RO	SKN	.....Cap Skiring (NDB) SG
SDA	.....Seida (VOR-DME) NO	SKP	.....Skopelos (VOR-DME) GR
SDD	.....Schonefeld (DME) GM	SKR	.....Skrydstrup (VORTAC) DA
SDI	.....St Dizier (TACAN), (NDB) FR	SKS	.....Skiros (VOR-DME) GR
SDM	.....Alger (VOR) AG	SKY	.....Skyros (TACAN) GR
SDS	.....Dakar (NDB) SG	SL	.....Bydgoszcz (NDB) PL
SEB	.....Sebha (VOR-DME), (NDB) LY	SL	.....Svinafell (NDB) IC
SEL	.....Efes (NDB) TU	SLB	.....Solberg (NDB) NO
SEO	.....Seo De Urgel (NDB) SP	SLC	.....Sliac (VOR-DME) LO
SEP	.....Seppi (NDB) FI	SLD	.....Siegerland (DME) GM
SES	.....Genova Sestri (VOR-DME) IT	SLG	.....Sligo (NDB-DME) EI
SF	.....Sofia (NDB) BU	SLL	.....Sabadell (VOR-DME) SP
SFC	.....Saint Flour/Coltines (VOR) FR	SLL	.....Salalah (VOR-DME) MU
SFD	.....Seafood (VOR-DME) UK	SLN	.....Schonefeld (NDB) GM
SFH	.....Sheffield City (DME) UK	SLO	.....Saint Louis (NDB) SG
SFI	.....Safi (NDB) MO	SLP	.....Sleep (NDB) UK
SFX	.....Sfax (VOR) TS	SLT	.....Sylt (NDB) GM
SG	.....Sangaredi (NDB) GV	SLU	.....Lulea (VOR-DME) SW
SG	.....Stuttgart (NDB) GM	SLV	.....Spa (NDB) BE
SGD	.....Sheik Elgunied (VOR-DME) SU	SM	.....Fossmo (NDB) NO
SGD	.....Stuttgart (DME) GM	SM	.....St Mawgan (NDB) UK
SGO	.....Sagunto (NDB) SP	SMA	.....Santa Maria (NDB) PO
SGR	.....Sagres (VOR-DME) PO	SME	.....Olbia Costa Smeralda (VOR-DME), (NDB) IT
SH	.....Salekhard (VOR-DME) RS	SME	.....Sarmellek (NDB) HU
SHA	.....Shannon (VOR-DME) EI	SMF	.....Sheffield City (NDB) UK

THEATER FLIGHT DATA/PROCEDURES C-39

IDENT	NAME/COUNTRY	IDENT	NAME/COUNTRY
SMG	St Mawgan (TACAN) UK	STO	Stockerau (VOR-DME) AU
SMI	Mitrovica (VOR-DME) YI	STO	Stokka (VOR-DME) NO
SMI	Simenti (NDB) SG	STP	St. Tropez (VOR-DME) FR
SML	Abu Simbel (VOR-DME) EG	STR	Strasbourg (VOR-DME) FR
SMN	Sidi Slimane (VOR-DME) MO	STT	Stott (NDB) NO
SMO	Samos (NDB) GR	STU	Strumble (VOR-DME) UK
SMR	Houari Boumediene (NDB) AG	STV	Stefanovikion (VOR) GR
SMR	Mitrovica (NDB) YI	SU	Dikson (NDB) RS
SNE	Senetose (NDB) FR	SU	Stykkisholmur (NDB) IC
SNI	Santorini (VOR-DME) GR	SUD	Chania (VOR-DME), (NDB) GR
SNJ	Sanandaj (VOR-DME), (NDB) IR	SUD	Souda (TACAN) GR
SNO	Santiago (NDB) SP	SUI	Subi (VOR-DME) PL
SNR	Santander (VOR-DME) SP	SUL	Sulaymaniyah (VOR) IZ
SNT	Porto Santo (VOR-DME) PO	SUL	Sulz (VOR) GM
SNU	Sollenau (VOR-DME) AU	SUM	Storuman (VOR-DME) SW
SO	Eelde (NDB) NL	SUM	Sumburgh (VOR-DME) UK
SOA	Sola (TACAN) NO	SUN	Sounion (NDB) GR
SOF	Sofia (VOR-DME), (NDB) BU	SUN	Sundsvall (VOR-DME) SW
SOG	Sogndal (VOR-DME) NO	SUP	Sturup (VOR-DME) SW
SOK	Sokoto (VOR-DME) NI	SUR	Sur (VOR-DME) MU
SOR	Sorrento (VOR-DME), (NDB) IT	SUS	Susi (NDB) FI
SPA	Eleftherios Venizelos (VOR-DME) GR	SUW	Suwalki (VOR-DME) PL
SPA	Sleipner A (NDB-DME) NO	SVA	Svensheia (VOR-DME) NO
SPA	Spangdahlem (TACAN) GM	SVD	Sveda (VOR-DME) SW
SPL	Schiphol (VOR-DME) NL	SVL	Linna (VOR-DME) FI
SPL	Split (VOR-DME) HR	SVL	Sevilla (VOR-DME) SP
SPP	Sevilla (NDB) SP	SVR	Sagvar (VOR-DME), (NDB) HU
SPR	St. Prex (VOR-DME) SZ	SWB	Shawbury (VOR-DME) UK
SPY	Spijkerboor (VOR-DME) NL	SWG	Schleswig (TACAN) GM
SQQ	Siauliai (TACAN) LH	SWN	Swansea (NDB) UK
SR	Ensheim (NDB) GM	SWZ	Swansea (DME) UK
SR	Podor (NDB) SG	SY	Stuttgart (NDB) GM
SR	Saumur (NDB) FR	SYE	Saadah (NDB) YM
SR	Shiraz Shahid Dastghaib (NDB) IR	SYH	Shayba (NDB) SA
SRA	Sintra (VORTAC) PO	SYN	Sayun (NDB) YM
SRJ	Sirjan (VOR-DME) IR	SYT	Sivrihisar (TACAN) TU
SRN	Saravan (NDB) IR	SYZ	Shiraz Shahid Dastghaib (VOR- DME), (TACAN) IR
SRN	Saronno (VOR-DME), (NDB) IT	SZA	Solenzara (TACAN), (NDB) FR
SRS	Sarakhs (NDB) IR	SZR	Ziguinchor (NDB) SG
SRT	Siirt (VOR-DME), (NDB) TU		
SRT	Sirte (NDB) LY		
SS	Scatsta (NDB) UK		
SS	Sturup (NDB) SW		
SSB	Soesterberg (TACAN) NL		
SSD	Stansted (NDB) UK		
SSJ	Palma De Mallorca (TACAN) SP		
SSN	San Sebastian (VOR-DME) SP		
SSY	S.S. Reyes (VOR-DME) SP		
STD	Stad (NDB) NL		
STD	Stord (VOR-DME) NO		
STD	Tambacounda (NDB) SG		
STE	Steinhof (NDB) AU		
STF	Stefanovikion (NDB) GR		
STF	Twenty Nine Charlie (NDB) LY		
STG	Santiago (VOR-DME) SP		
STG	Stegen (NDB) NO		
STJ	Strejnic (VOR-DME) RO		
STK	Stadskanaal (NDB) NL		
STM	Strommen (NDB) NO		
STN	Prince Sultan (TACAN) SA		
STN	Stornoway (VOR-DME) UK		
STO	Porto Santo (TACAN) PO		

T

T	Lask (NDB) PL
T	Titan (NDB) HU
TA	Tahoua (NDB) NG
TA	Villacoublay (NDB) FR
TAB	Albacete (TACAN) SP
TAJI	Taji (NDB) IZ
TAL	Tallil (TACAN) IZ
TAM	Tamanrasset (NDB) AG
TAN	Lahitte (VOR) FR
TAN	Tan Tan (VOR) MO
TAN	Tanf (VOR-DME) SY
TAQ	Tarquinia (VOR-DME), (NDB) IT
TAU	Taunus (VORTAC) GM
TAV	Sde Dov (NDB) IS
TAZ	Taiz (VOR-DME) YM
TAZ	Tivat (NDB) YI
TB	Tombouctou (NDB) ML
TBA	Taba (VOR-DME), (NDB) EG
TBC	Talavera (TACAN) SP
TBK	Tabarka (VOR-DME) TS
TBK	Tabuk (VORTAC) SA

C-40 THEATER FLIGHT DATA/PROCEDURES

IDENT	NAME/COUNTRY	IDENT	NAME/COUNTRY
TBN.....	Trabzon (VOR-DME), (NDB) TU	TNO.....	Trano (VOR-DME) DA
TBO.....	Tarbes (TACAN) NO	TNT.....	Trent (VOR-DME) UK
TBS.....	Tabas (NDB-DME) IR	TO.....	Torfur (NDB) IC
TBS.....	Tebessa (VOR-DME) AG	TOB.....	Villatobas (NDB) SP
TBT.....	Tombouctou (VOR-DME) ML	TOE.....	Toulouse (NDB) FR
TBV.....	Trebova (NDB) EZ	TOF.....	Tempelhof (VOR-DME) GM
TBZ.....	Tabriz (VORTAC), (NDB) IR	TON.....	Tozeur (VOR-DME) TS
TD.....	Tambacounda (VOR) SG	TON.....	Torralba De Aragon (NDB) SP
TDF.....	Tindouf (VOR-DME) AG	TOP.....	Torino (VOR-DME), (NDB) IT
TE.....	Thisted (NDB) DA	TOR.....	Toramo (NDB) FI
TEA.....	Teano (VOR-DME), (NDB) IT	TOR.....	Torp (VOR-DME) NO
TEB.....	Tebby (VOR-DME) SW	TOU.....	Toulouse (VOR-DME) FR
TEO.....	Toledo (NDB) SP	TPI.....	Tripoli (VOR-DME) LY
TES.....	Tenerife Sur (NDB) SP	TPL.....	Topola (VOR-DME), (NDB) YI
TES.....	Tessera (VOR-DME) IT	TPO.....	Tripolis (TACAN) GR
TFN.....	Tenerife Norte (VOR-DME) SP	TPR.....	Pratica Di Mare (TACAN) IT
TFS.....	Tenerife Sur (VOR-DME) SP	TPS.....	Tapiosap (VOR-DME), (NDB) HU
TGA.....	Tolga (VOR-DME) NO	TR.....	Tirana (NDB) AL
TGG.....	Tanagra (VOR-DME) GR	TR.....	Tor (NDB) NO
TGL.....	Tegel (VOR-DME) GM	TR.....	Trencin (NDB) LO
TGM.....	Targu Mures (NDB) RO	TRA.....	Trasadingen (VOR-DME) SZ
TGN.....	Gran Canaria (TACAN) SP	TRB.....	Tiaret (VOR-DME), (NDB) AG
TGO.....	Tango (VORTAC) GM	TRB.....	Treblo (VOR) PL
TGR.....	Armilla (TACAN) SP	TRE.....	Treviso (NDB) IT
TGR.....	Tanagra (TACAN) GR	TRF.....	Turaif (VOR-DME) SA
TGU.....	Tougourt (VOR-DME) AG	TRF.....	Tyrfjord (NDB) NO
THN.....	Thorn (NDB) NL	TRI.....	Trogir (NDB) HR
THR.....	Tehran (TACAN) IR	TRL.....	Alcantarilla (TACAN) SP
THR.....	Thira (NDB) GR	TRL.....	Tripolis (VOR-DME) GR
THS.....	Thessaloniki (NDB) GR	TRM.....	Terminal (TACAN) PO
TIF.....	Taif (VORTAC) SA	TRM.....	Trondheim (VOR-DME) NO
TIL.....	Tiller (NDB) NO	TRN.....	Tehran (VOR-DME) IR
TIM.....	Timbakion (TACAN) GR	TRN.....	Tirana (VOR-DME) AL
TIO.....	Timimoun (VOR-DME), (NDB) AG	TRN.....	Turnberry (VOR-DME) UK
TIR.....	Tiree (VOR-DME) UK	TRO.....	Joday (NDB) LY
TIS.....	Thiers (VOR-DME) FR	TRO.....	Tromso (VOR-DME) NO
TJ.....	Ras Tanajib (NDB) SA	TRO.....	Troyes (VOR) FR
TJA.....	Torreon (NDB) SP	TRP.....	Trapani (VORTAC), (NDB) IT
TJZ.....	Torrejon (TACAN) SP	TRS.....	Trosa (VOR-DME) SW
TK.....	Tabarka 7 Novembre (NDB) TS	TRU.....	Trundon (NDB) SW
TKA.....	Tidjikja (NDB) MR	TRZ.....	Trzebnica (VOR-DME) PL
TKT.....	Al Sahra (NDB) IZ	TS.....	Toulouse (NDB) FR
TKT.....	Tokat (NDB-DME) TU	TS.....	Tunis (NDB) TS
TL.....	Tarbes (NDB) FR	TSC.....	Salamanca (TACAN) SP
TLA.....	Talla (VOR-DME) UK	TSL.....	Thessaloniki (VOR-DME) GR
TLA.....	Tulcea (VOR-DME) RO	TSR.....	Timisoara (NDB) RO
TLC.....	Tulcea (NDB) RO	TSU.....	Toussus (VOR) FR
TLD.....	Toledo (VOR-DME) SP	TTN.....	Tetouan (VOR-DME) MO
TLL.....	Tallinn (VOR-DME) EN	TU.....	Aarhus (NDB) DA
TLM.....	Tlemcen (VOR-DME), (NDB) AG	TU.....	Turbat (NDB) PK
TLN.....	Hyerres (NDB) FR	TU.....	Tuzla (NDB) BK
TLU.....	Toulouse/Francal (TACAN) FR	TUC.....	Tunis (VOR-DME) TS
TLZ.....	Lanzarote (TACAN) SP	TUN.....	Saniat Rmel (NDB) MO
TM.....	Lanes (NDB) NO	TUN.....	Tulln (VOR-DME), (NDB) AU
TMR.....	Thumrait (VORTAC) MU	TUR.....	Tours (TACAN), (NDB) FR
TMS.....	Tamanrasset (VOR-DME) AG	TUZ.....	Tuzla (TACAN) BK
TN.....	Bahir Dar (NDB) ET	TV.....	Talvik (NDB) NO
TN.....	Thorshofn (NDB) IC	TVD.....	Valladolid (TACAN) SP
TN.....	Titan (NDB) HU	TW.....	Toulouse (NDB) FR
TNA.....	Tan Tan (NDB) MO	TWN.....	Twenthe (TACAN), (NDB) NL
TND.....	Tandarei (NDB) RO	TX.....	Tenerife Norte (NDB) SP
TNG.....	Tanagra (NDB) GR	TZ.....	Lask (NDB) PL
TNG.....	Tanger (VOR-DME) MO	TZ.....	Taiz (NDB) YM

THEATER FLIGHT DATA/PROCEDURES C-41

IDENT NAME/COUNTRY

TZE Tessalit (NDB) ML
TZI Gao (NDB) ML
TZK Tuzkoy (VOR-DME), (NDB) TU
TZO Trezzo (VOR-DME), (NDB) IT
TZR Tazerbo (NDB) LY

U

UBR Ubari (NDB) LY
UDH Udhailiyah (NDB) SA
UDI Udaïri (NDB) KU
ULA Ula (NDB) NO
ULV Ulvingen (NDB) NO
UM. Tartu (NDB) EN
UME Umea (VOR-DME) SW
UMH Uromiyeh (VOR-DME), (NDB) IR
UNA Udbina (NDB) HR
UP Uppsala (NDB) SW
URB Urbe (NDB) IT
URF Sanliurfa (VOR-DME), (NDB) TU
USK Usak (NDB-DME) TU
UTH Uthaug (NDB) NO
UTT Utti (VOR-DME) FI
UW Edinburgh (NDB) UK

V

V Szentkiralysszabadja (NDB) HU
VA Amal V12 (NDB) LY
VA Vad (NDB) IC
VAB Albacete (VOR-DME) SP
VAD Bateen (VOR-DME) AE
VAE Vaernes (TACAN) NO
VAL Valjevo (VOR-DME), (NDB) YI
VAN Van (VOR-DME), (NDB) TU
VAR Varazdin (NDB) HR
VAR Varhaug (NDB) NO
VAS Vaasa (VOR-DME) FI
VBA Barna (VOR-DME) HR
VBG Valkenburg (TACAN) NL
VBZ Badajoz (VOR-DME) SP
VEG Gradiste (NDB) YI
VEH Vehkaa (VOR-DME) FI
VEN Venezia (NDB) IT
VES Asturias (VOR-DME) SP
VES Vesta (VOR-DME) DA
VEY Vedby (VOR) SW
VFA Faro (VOR-DME) PO
VFD Vitoria (VOR-DME) SP
VFL Horta (VORTAC) PO
VFL Vardefjell (VOR-DME) NO
VGA Vigra (NDB) NO
VGD Vitigudino (NDB) SP
VGE Getafe (TACAN) SP
VGO Vigo (VOR-DME) SP
VH Hofra V10 (NDB) LY
VI Vigo (NDB) SP
VI Vohma (VOR-DME) EN
VIA Burgos (VOR-DME) SP
VIA Vigra (TACAN) NO
VIB Viterbo (NDB) IT
VIC Vicenza (VOR-DME), (NDB) IT
VIE Vieste (VOR-DME), (NDB) IT

IDENT NAME/COUNTRY

VIG Vigra (VOR-DME) NO
VIL Villafranca (VORTAC), (NDB) IT
VIL Vilmas (VOR-DME) FI
VIS Viseu (VOR-DME) PO
VIW Villach (VOR-DME) AU
VJF Vejer (VOR-DME) SP
VJZ Torrejon (VOR-DME) SP
VKL Volkel (TACAN) NL
VLA Villafranca (VOR-DME) SP
VLC Valencia (VOR-DME) SP
VLD Valladolid (NDB) SP
VLM Vlasim (VOR-DME) EZ
VLN Yeovilton (TACAN) UK
VM Vestmannaeyjar (NDB) IC
VMG Sao Miguel (VORTAC) PO
VMP Chateaudun (VOR-DME) FR
VNA Vanja (NDB) SW
VNE Vienne (VOR) FR
VNO Vilnius (VOR-DME) LH
VNT Ventspils (VOR-DME) LG
VNV Villanueva (NDB) SP
VO Brezany (NDB) EZ
VO Ora V9 (NDB) LY
VOG Voghera (VOR-DME), (NDB) IT
VON Vigo (NDB) SP
VOO Vollo (VOR-DME) NO
VOZ Vozice (VOR-DME) EZ
VR Ras Lanuf V40 (NDB) LY
VR Varamin (NDB) IR
VR Vila Real (NDB) PO
VRA Vitoria (VOR-DME) SP
VRA Vrsac (NDB) YI
VRD Vardo (VOR-DME) NO
VRN Vranje (NDB) YI
VRS Vrsar (NDB) HR
VS Szentkiralysszabadja (NDB) HU
VS Vesilahti (NDB) FI
VSB Visby (VOR-DME) SW
VSJ Murcia/San Javier (VOR-DME), (TACAN) SP
VSM Santa Maria (VOR-DME) PO
VSN Vassen (VOR-DME) SW
VTB Villatobas (VOR-DME) SP
VTI Vihti (VOR-DME) FI
VTN Kraljevo (NDB) YI
VX Vaxjo (NDB) SW
VYL Valley (TACAN) UK

W

W Varna (NDB) BU
WA Kuressaare (NDB) EN
WAD Waddington (TACAN) UK
WAG Warszawa (NDB) PL
WAK Vakareli (NDB) BU
WAL Wallasey (VOR-DME) UK
WAO Warszawa (NDB) PL
WAR Zaborowek (VOR-DME) PL
WBA Wolverhampton (NDB) UK
WBD Wiesbaden (NDB) GM
WCK Wick (NDB) UK
WCO Westcott (NDB) UK
WDR Wadi Al Dawasir (VORTAC) SA
WDT Woensdrecht (TACAN) NL

C-42 THEATER FLIGHT DATA/PROCEDURES

IDENT NAME/COUNTRY

WEJ. Wejeh (VORTAC) SA
WES. Westerland (DME) GM
WGM. Wagram (VOR-DME) AU
WHI. Whitegate (NDB) UK
WIB. Wiesbaden (TACAN) GM
WIK. Wick (VOR-DME) UK
WIL. Willisau (VOR-DME) SZ
WIT. Wittering (TACAN) UK
WK. Wk (NDB) QA
WLD. Beni Walid (VOR-DME), (NDB) LY
WLD. Walda (VOR-DME) GM
WLU. Luxembourg (NDB) LU
WN. Varna (NDB) BU
WO. Schwechat (NDB) AU
WOD. Woodley (NDB) UK
WOL. Wolverhampton (DME) UK
WPL. Welshpool (NDB-DME) UK
WR. Varna (NDB) BU
WRB. Warburg (VOR-DME) GM
WRN. Varna (VOR-DME) BU
WSR. Weser (VOR) GM
WTD. Waterford (NDB) EI
WTM. Wittmundhafen (TACAN) GM
WTN. Warton (TACAN), (NDB) UK
WTZ. Wattisham (TACAN) UK
WUN. Wunstorf (TACAN), (NDB) GM
WUR. Wurzburg (VOR) GM
WW. Antwerp (NDB) BE
WYP. Wipper (VOR) GM

X

XS. Beda No 1 (NDB) LY
XU. Namest (NDB) EZ
XY. Booster (NDB) LY

Y

Y. Nyiregyhaza (NDB) HU
YAA. Yalova (VOR-DME), (NDB) TU
YEN. Yenisehir (TACAN) TU
YES. Yeste (VOR-DME) SP
YF. Dakar (VOR-DME) SG
YG. Enge (NDB) NO
YN. La Roche Sur Yon (NDB) FR
YNN. Ioannina (VOR-DME) GR

IDENT NAME/COUNTRY

YSJ. Yasouj (NDB-DME) IR
YT. Antalya (NDB) TU
YZD. Yazd Shahid Sadooghi (VOR-DME),
(TACAN), (NDB) IR

Z

ZAG. Zagreb (VOR-DME), (NDB) HR
ZAH. Zahedan (TACAN) IR
ZAJ. Zanjan (VORTAC), (NDB) IR
ZAK. Zakynthos (VOR-DME) GR
ZAL. Zabol (NDB) IR
ZAR. Zaragoza (VOR-DME) SP
ZAR. Zarzaitine (NDB) AG
ZAT. Zakynthos (NDB) GR
ZAW. Zawia (VOR-DME) LY
ZBN. Zweibrucken (NDB) GM
ZD. Zahedan (NDB) IR
ZDA. Zadar (VOR-DME) HR
ZDN. Zahedan (VOR-DME) IR
ZEM. Zemmouri (VOR-DME), (NDB) AG
ZFR. Zofar (VOR-DME) IS
ZG. Ziguinchor (VOR) SG
ZIG. Leipzig (NDB) GM
ZIR. Akinci (TACAN) TU
ZK. Zadar (NDB) HR
ZKU. Zirku (NDB) AE
ZLA. Zilina (NDB) LO
ZMR. Zamora (VOR-DME), (NDB) SP
ZN. Nefta (NDB) TS
ZND. Zweibrucken (DME) GM
ZO. Sola (NDB) NO
ZOL. Sola (VOR-DME) NO
ZR. Zinder (VOR) NG
ZRA. Kakma (NDB) HR
ZRT. Zouerat (VOR) MR
ZRZ. Zaragoza (NDB) SP
ZT. Agip C97 (NDB) LY
ZT. Khatanga (NDB) RS
ZT. Zouerat (NDB) MR
ZUE. Zuetina (NDB) LY
ZUE. Zurich East (VOR-DME) SZ
ZW. Zeltweg (NDB) AU
ZWN. Zweibrucken (VOR-DME) GM
ZZA. Zaragoza (TACAN), (NDB) SP

SECTION D

ARRIVAL/DEPARTURE GRAPHICS

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D-2 ARRIVAL/DEPARTURE GRAPHICS

GIBRALTAR - STARs

GIBRALTAR APP CON/RADAR

122.8 264.875

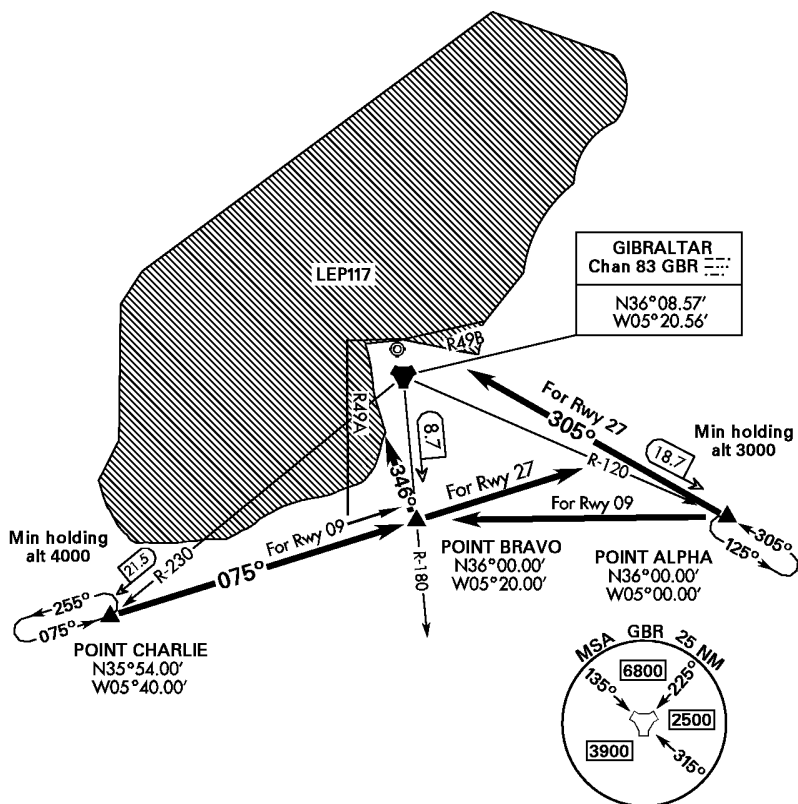
GIBRALTAR TALKDOWN

130.4 235.05

GIBRALTAR TOWER*

131.2 240.575 264.875

NOTE: Chart not to scale



NOTE: These host nation routes do not meet DOD criteria for Standard Terminal Arrival Charts (STAR) and are not published in Terminal FLIP.

NOTE: Aircraft arriving at Gibraltar will be directed by SRA (Rwy 09) or PAR/SRA (Rwy 27) to a visual decision point 3 NM from the rwy thld. From this position the approach must be continued with visual reference to the thld or a Missed App initiated, as drct by ATC. IF weather and traffic conditions allow, pilots familiar with Gibraltar procedures may be cleared for a visual approach but must route via the VDP. In all cases pilots will be given track guidance if they appear likely to infringe Spanish restricted or prohibited airspace.

NOTE: Contact Gibraltar APP CON/RADAR at 50NM inbound.

NOTE: Overflight of the Rock and harbour installations is prohibited.

(USN) (FEB 06)

GIBRALTAR - RADAR RWY 09

GIBRALTAR APP CON/RADAR

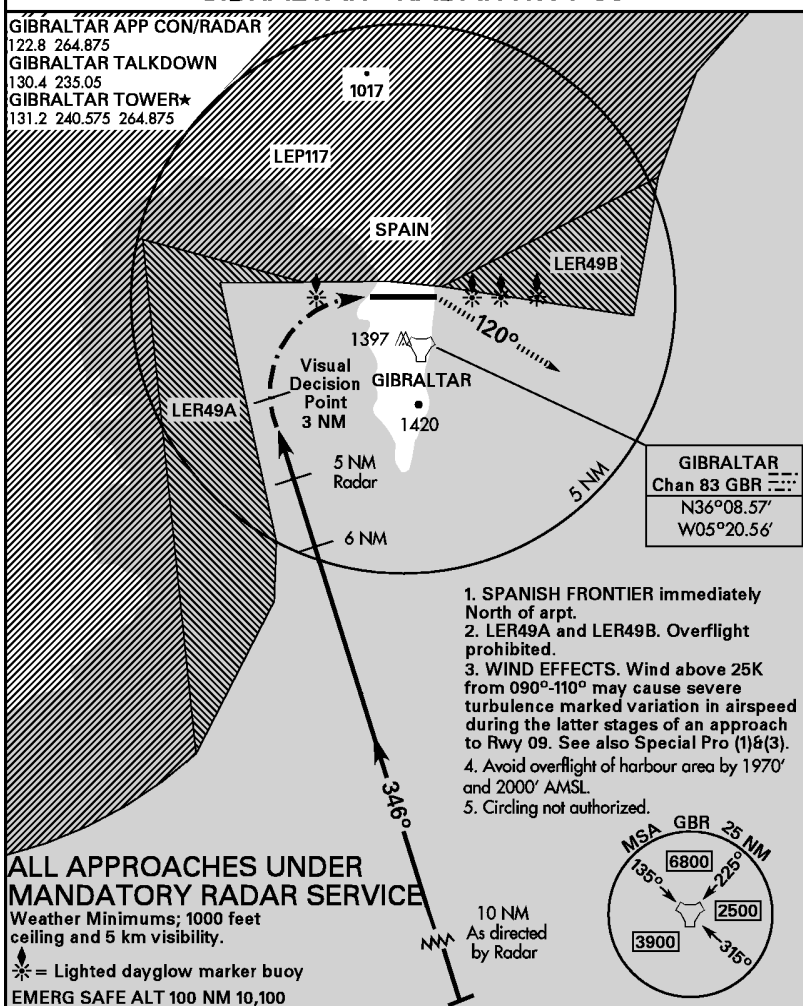
122.8 264.875

GIBRALTAR TALKDOWN

130.4 235.05

GIBRALTAR TOWER★

131.2	240.575	264.875
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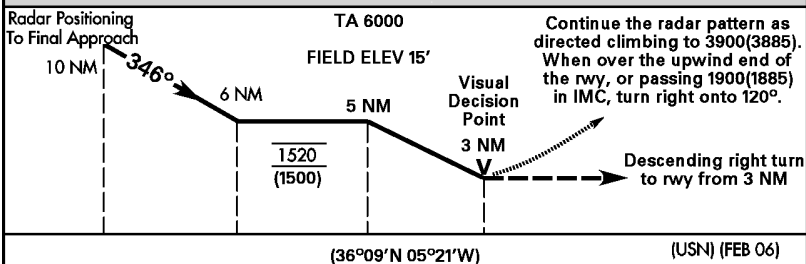


ALL APPROACHES UNDER MANDATORY RADAR SERVICE

Weather Minimums; 1000 feet ceiling and 5 km visibility.

☼ = Lighted dayglow marker buoy

EMERG SAFE ALT 100 NM 10.100



D-4 ARRIVAL/DEPARTURE GRAPHICS

GIBRALTAR - RADAR RWY 27

GIBRALTAR APP CON/RADAR

122.8 264.875

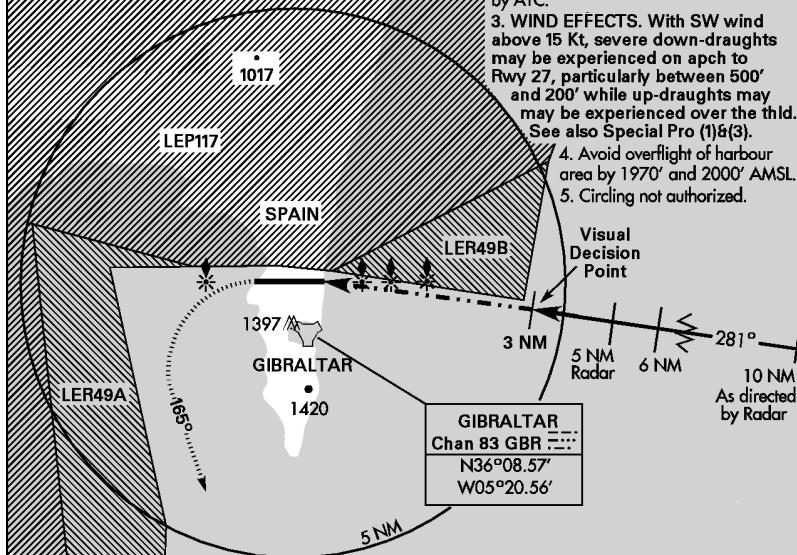
GIBRALTAR TALKDOWN

130.4 235.05

GIBRALTAR TOWER*

131.2 240.575 264.875

1. SPANISH FRONTIER immediately North of arpt.
2. LER49A and LER49B. Overflight normally prohibited. However, in extreme turbulence, or for flight safety reasons, centerline apch may be authorized by ATC.
3. WIND EFFECTS. With SW wind above 15 Kt, severe down-draughts may be experienced on apch to Rwy 27, particularly between 500' and 200' while up-draughts may be experienced over the thld. See also Special Pro (1)&(3).
4. Avoid overflight of harbour area by 1970' and 2000' AMSL.
5. Circling not authorized.

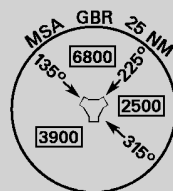


ALL APPROACHES UNDER MANDATORY RADAR SERVICE

Weather Minimums; 1000 feet ceiling and 5 km visibility.

✱ = Lighted dayglow marker buoy

EMERG SAFE ALT 100 NM 10,100



Continue the radar pattern as directed climbing to 3900 (3885). When over the upwind end of the rwy, or passing 1900 (1890) in IMC, turn left onto 165°.

TA 6000

Radar Positioning To Final Approach

FIELD ELEV 15'

Visual Decision Point 3 NM

5 NM RADAR

1520
(1500)

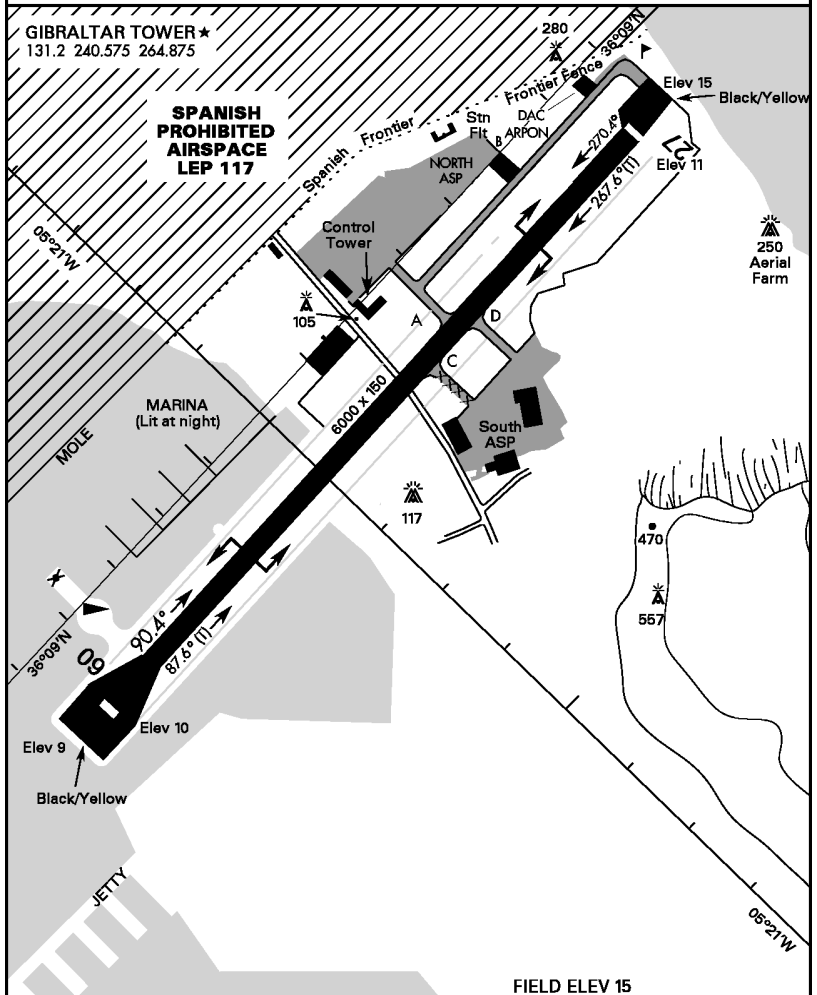
6 NM

10 NM

(36°09'N 05°21'W)

(USN) (FEB 06)

GIBRALTAR - LANDING CHART (INS)



1. Rwy 09. The lighting on La Línea Pier and Ferry Terminal may be mistaken for rwy lghts in poor vis and at ngt.
2. Rwy 27. End elev 15' but falls to 8' w/ fst 1000'. Dip not apparent til acft descends to aprx 300' on Final Apch.
3. Rwy Ends. Marked by black/yellow checkered areas.
4. Displaced Thresholds.
 - a. Rwy 09 - 300' from red extremity lghts.
 - b. Rwy 27 - 367' from red extremity lghts.
5. All areas of the A/D, other designated rwys, turnarounds, twys or aprons are to be treated as non-load bearing sfc.
6. Concrete security barriers adjacent to apron entrances. Pilots are to strictly observe twy centerline guidance when entering or leaving aprons.
7. Clearance Criteria. In ramp areas clnc criteria cannot be maintd from A/D obstacles.
8. Portable Aircraft Arresting Gear (PAAG). Normally de-rigged.
9. Overflights of rwy blw 500' rqr 4 min PN for the road to be clsd.

WGS DATUM

(USN) (FEB 06)

D-6 ARRIVAL/DEPARTURE GRAPHICS

GIBRALTAR - SPECIAL PROCEDURES (1)

TURBULENCE

1. Turbulence around the rock is influenced by both the surface wind and the 1000' wind. Generally a 1000' wind of less than 15K does not produce significant turbulence. However, with a wind direction between 130°(M) and 240°(M) and speed in excess of 15K, the severity of turbulence increases as the wind speed increases. In some cases the turbulence may make conditions dangerous or impossible for landing. The area of turbulence can often be seen on the water and is also shown on SPECIAL PRO (3). Wind speeds above 25K from 090°-110° may cause severe turbulence and marked variations in airspeed during the latter stages of an approach to Rwy 09.
2. Pilots are to observe wind limitations for landing as published by their appropriate Operating Authority. Where no such limitations are published, the following may be used for guidance:

Wind Direction (°M)	Wind Speed (K) (Steady or Gusting)
110	30
120	25
130	20
140	18
150	17
160	16
170	15
180	15
190	15
200	16
210	17
220	18
230	20
240	22
250	25

NOTE: Wind speeds in excess of the figures quoted are likely to cause severe turbulence and/or wind shear on Final Approach.

DEPARTURE MINIMUM

3. The minimum Met visibility for departure is 1 km.

APPROACH MINIMA

4. Neither PANS-OPS nor APATC-1 conforming procedures minima are available. Use of runway is limited to **visual approaches only**. The applicable weather minima for all approaches is: **Visibility 5km or 5km in the direction of approach path, Cloudbase 1000'**. Pilots not in visual contact with the threshold at 3nm Visual Descent Point (VDP) are to initiate a Missed Approach as directed by ATC.

HOOK EQUIPPED AIRCRAFT

5. When Portable Aircraft Arresting Gear (PAAG) is rigged in the "UP", position, hook equipped acft will not be permitted to land until the preceding landing acft is:
- a. Rwy 09. Clear of the pull-out area of the "UP" PAAG.
 - b. Rwy 27. Clear of the pull-out area of the "UP" PAAG, and cleared to hold on the N or S area of the W turnaround.

ARRIVAL/DEPARTURE GRAPHICS D-7

GIBRALTAR - SPECIAL PROCEDURES (2)

MISSED APPROACH

1. **Rwy 09.** Continue the radar pattern as directed climbing to 3900 QNH.
 - a. **VMC.** When over the upwind end of the rwy, right on Tr 120°.
 - b. **IMC.** When passing **1900** QNH, right on Tr 120°.
2. **Rwy 27.** Continue the radar as directed climbing to **3900** QNH.
 - a. **VMC.** When over the upwind end of the rwy, left on Tr 165°.
 - b. **IMC.** When passing **1900** QNH, left on Tr 165°.

COMM FAILURE DURING FINAL APPROACH

3. If radio contact is lost for more than 10 sec during Final Approach in IMC, commence immediate climb to **3900** QNH. If able to regain VMC, continue the radar pattern and land on receiving green light from ATC.

EMERGENCY ARRIVAL PROCEDURES - MILITARY AIRCRAFT

TACAN Let-down (for use in event of Surveillance Radar Failure)

4. **Initial Approach.** To be from the East on 105 rad at a safe quadrantal Flight Level. The acft is to be not below FL 70 at 10 DME and at 5000' when overhead. From overhead the TACAN left outbd on 105 rad. When established outbd descend to 2000 QFE. At 10 DME commence a procedure turn left to re-establish inbd on 105 rad maintaining 2000 QFE until visual with the Rock. **If visual contact with the Rock cannot be established by 2.5 DME climb to 3900 QFE and turn left to intercept and fly 165 rad.** Acft using 2 Nav aids (e.g. TACAN and INS) need not overfly the facility and are authorized to begin the outbd turn at 3 DME.

(JUNE 04)

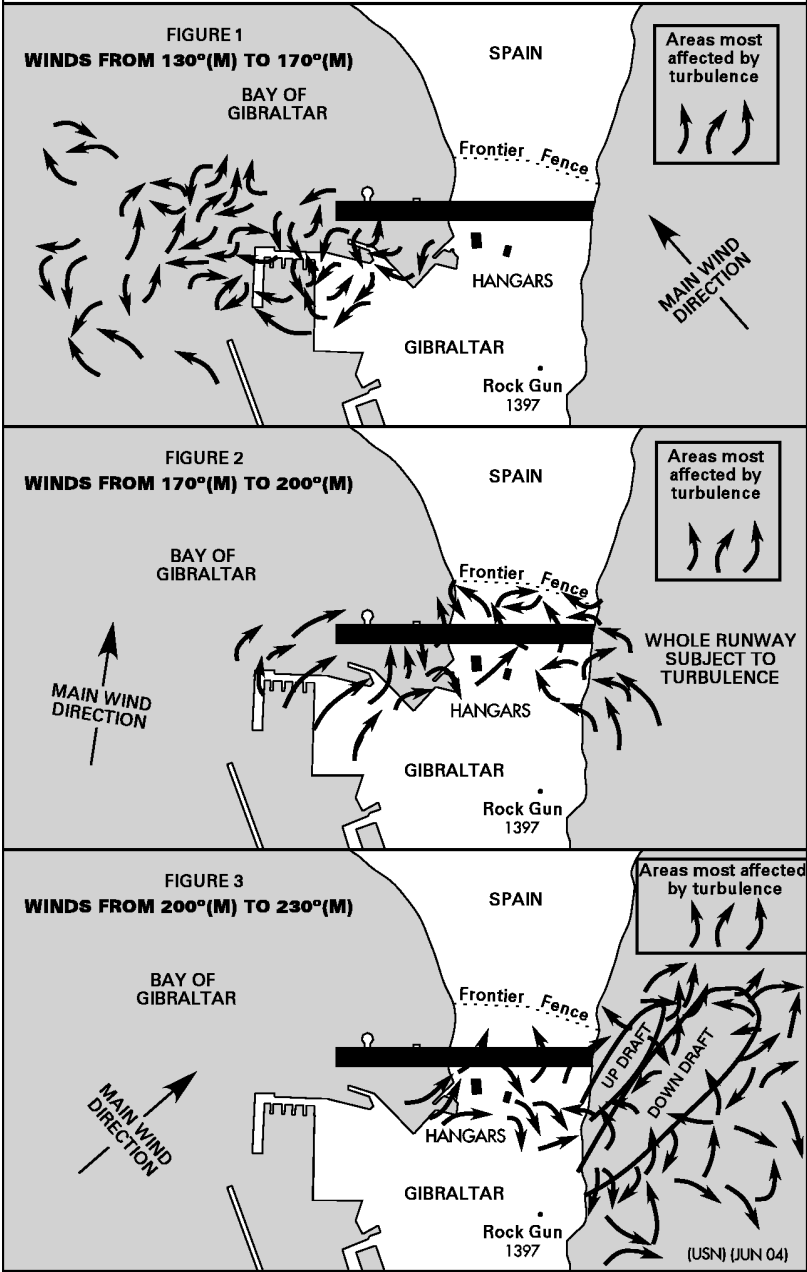
5. **WHEN Rock or Rwy in Sight.**

- a. **Rwy 09.** Turn left to position for a right-hand circuit to land. The circuit is to be flown so as to ensure no violation of Spanish Prohibited airspace.
- b. **Rwy 27.** Continue with visual approach to land.

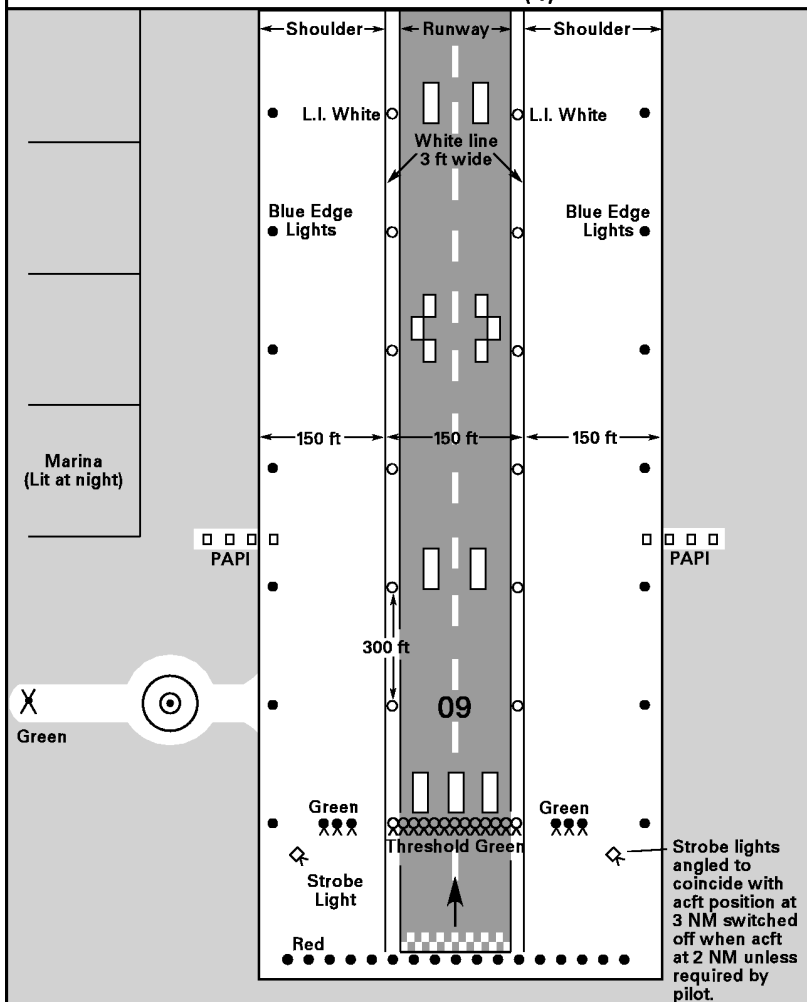
(USN) (JUL 98)

D-8 ARRIVAL/DEPARTURE GRAPHICS

GIBRALTAR-SPECIAL PROCEDURES (3) WIND EFFECTS



GIBRALTAR - SPECIAL PROCEDURES (4) LIGHTING RWY 09

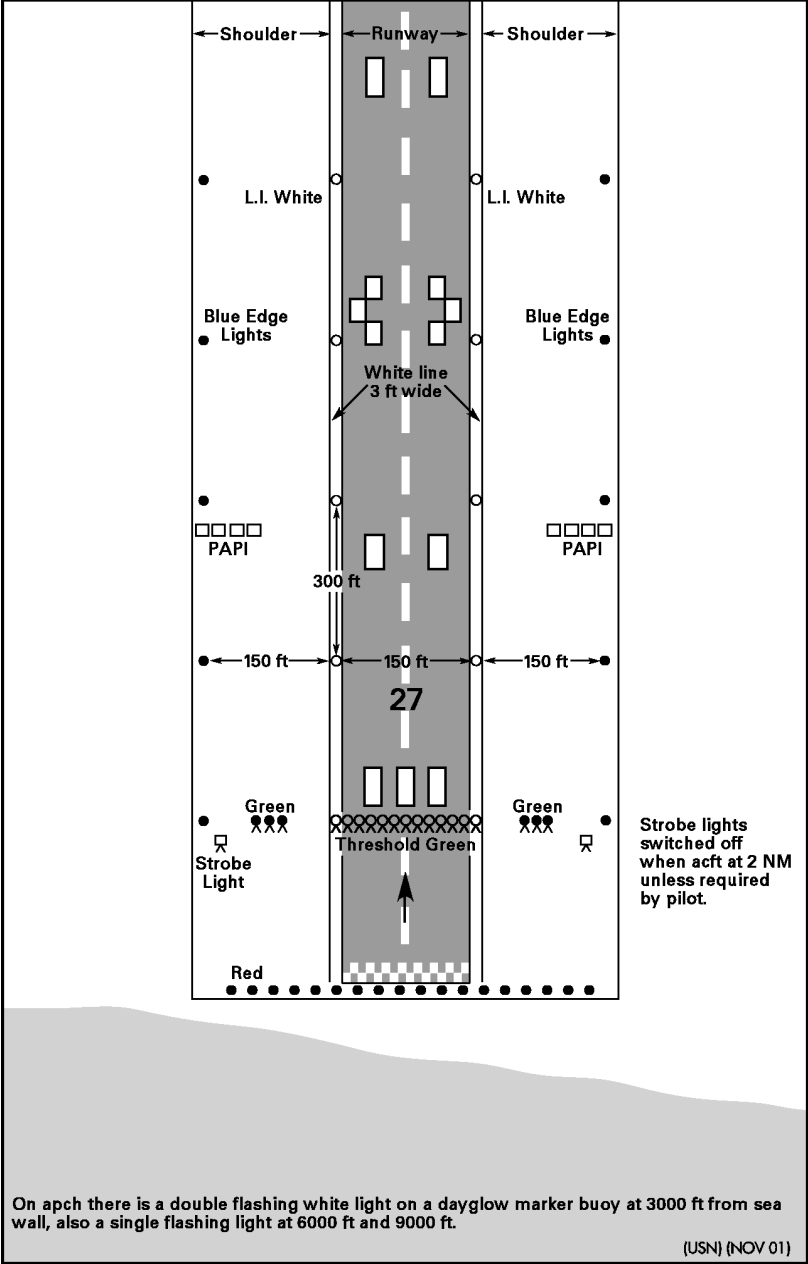


Single flashing white light on a dayglow marker buoy 4500 ft from sea wall marks the extended centerline.

CAUTION: Sodium street lights 900 ft south of threshold parallel to rwy.

D-10 ARRIVAL/DEPARTURE GRAPHICS

GIBRALTAR - SPECIAL PROCEDURES (5) LIGHTING RWY 27



I. POSITION REPORTS (FAA)

A. INSTRUMENT FLIGHT RULES (IFR) POSITION REPORT

- | | |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 1. Identification | 5. Type of Flight Plan (not required in IFR position reports made direct to ARTCC). State "VFR Conditions on Top" if so cleared. |
| 2. Position | 6. Next reporting point and ETA. |
| 3. Time | 7. Name only of the next succeeding reporting point along the route of flight. |
| 4. Altitude/FL (include actual altitude/FL when operating on a "VFR Conditions on Top" clearance.) | 8. Remarks |

If entering ADIZ give appropriate ADIZ position reports listed under ADIZ Procedures.

B. VISUAL FLIGHT RULES (VFR) POSITION REPORT

- | | |
|-------------------|--------------------|
| 1. Identification | 4. Altitude |
| 2. Position | 5. VFR Flight Plan |
| 3. Time | 6. Destination |

If entering ADIZ give appropriate ADIZ position reports listed under ADIZ Procedures.

II. CHANGE OF FLIGHT PLAN

A. CHANGE OF ROUTE OR DESTINATION

- | | |
|-----------------------------------------|----------------------------------------------|
| 1. Type of flight plan | 7. Position and time |
| 2. Aircraft identification | 8. New route and altitude/FL |
| 3. Type of aircraft/TD Code | 9. New destination (if applicable) |
| 4. Estimated true airspeed | 10. ETE or ETA |
| 5. Original destination (if applicable) | 11. Fuel endurance |
| 6. Departure point | 12. Alternate (if required) |
| | 13. Station where original flight plan filed |

B. CHANGE FROM VFR TO IFR ONLY

- | | |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1. Aircraft identification and type | 6. Alternate airport |
| 2. Position and time | 7. Name, rank, and honors code of VIP if aboard (only if destination is being changed) |
| 3. Route, altitude, and destination | |
| 4. True air speed in knots | |
| 5. ETE from point of change to destination and hours of fuel remaining | |

C. CHANGE OF ETA BY MORE THAN 30 MIN

- | | |
|----------------------------|------------------------------------------|
| 1. Aircraft identification | 3. "IFR (or VFR) to (destination)" |
| 2. Position and time | 4. "New ETA and hours of fuel remaining" |

III. FILING FLIGHT PLANS IN FLIGHT

- | | |
|-----------------------------|-----------------------------------------------------|
| 1. Type of flight plan | 10. ETE |
| 2. Aircraft identification | 11. Remarks |
| 3. Type of aircraft/TD code | 12. Fuel endurance |
| 4. Estimated true airspeed | 13. Alternate |
| 5. Point of departure | 14. Aircraft Unit of Assignment |
| 6. Proposed departure time | 15. Number of Persons on Board |
| 7. Cruising altitude | 16. Color of Aircraft |
| 8. Route of flight | 17. Destination Contact/Telephone Number (Optional) |
| 9. Destination | |

NOTE: Request available NOTAM and weather information for new route and destinations.

I. POSITION REPORTS: (ICAO)

A. IFR/VFR POSITION REPORTS

- | | |
|----------------------------|--------------------------------|
| 1. Aircraft identification | 4. Flight level or altitude |
| 2. Position | 5. Next position and time over |
| 3. Time | 6. Ensuing significant point |

If entering ADIZ, give appropriate ADIZ position reports listed under ADIZ procedures.

B. IF REQUESTED (or when deemed necessary by pilot)

- | | |
|-------------------------------|------------------------------|
| 1. Operating information | |
| a. Estimated time of arrival | b. Endurance |
| 2. Meteorological information | |
| a. Air Temperature | d. Aircraft icing |
| b. Wind | e. Supplementary information |
| c. Turbulence | |

II. CHANGE OF FLIGHT PLAN:

A. CHANGE OF ROUTE OR DESTINATION

- | | |
|--------------------------------------------------|----------------------------------------------------------------------------------|
| 1. Aircraft identification and type of aircraft. | 5. Alternate, if required. |
| 2. Position and time. | 6. "Departed IFR (or VFR) to" |
| 3. New route and/or destination. | 7. Rank and honors code of VIP if aboard (only if destination is being changed). |
| 4. ETE and hours of fuel remaining. | |

B. CHANGE FROM VFR TO IFR ONLY

- | | |
|--------------------------------------|---------------------------------------------------------------------------------|
| 1. Aircraft identification and type. | 5. ETE from point of change to destination and hours of fuel remaining. |
| 2. Position and time. | 6. Alternate airport. |
| 3. Route, altitude, and destination. | 7. Rank and honor code of VIP if aboard (only if destination is being changed). |
| 4. True air speed in knots. | |

C. CHANGE OF ETA BY MORE THAN 30 MINUTES

- | | |
|-----------------------------|-------------------------------------|
| 1. Aircraft identification. | 3. "IFR (or VFR) to (destination)". |
| 2. Position and time. | 4. "New ETA and fuel remaining". |

NOTE: Request available NOTAM and weather information for new routes and destination.

ENAMEL

6 JUL 2006 to 3 AUG 2006