H-11 PANELS ABCD 1" = 65 NM

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H-12 PANELS EFGH 1" = 41 NM.

DOD
FLIGHT INFORMATION PUBLICATION
ENROUTE HIGH ALTITUDE EUROPE NORTH AFRICA AND MIDDLE EAST

All Geographic coordinates are compatible with the World Geodetic System (WGS-84)

LEGEND

AIRPORTS

Airports shown in BLUE have an appropriate (High and/or Low) approved DOD Instrument Approach Procedure and/or DOD Radar Minima published in FLIPs. Airports shown in BROWN do not have a DOD Instrument Approach Procedure or approved Radar Minima published in FLIPs. Airport Symbols may be offset for navigation aids.

- Military
- Civil
- Joint Military-Civil
- Heliport

Indicates Fixed-Wing DVRS — NO DVRS operations are prohibited

Elevation in feet MSL

Automatic/Terminal Information Service (ATIS) frequency (Star = Indicates operation less than continuous).

Name (ICAO) 913 ft. 8778 ft. 124.1 124.4

No runway lighting

Runway lighting available. Asterisk (*) indicates Pilot Controlled Lighting (PCL). NOTE: Lighting not shown on High Altitude Enroute charts.

Length of longest runway including displaced thresholds.

indicates other than hard surface

RADIO AIDS TO NAVIGATION AND COMMUNICATION BOXES

NAVAIDS

(VHF/UHF Data is depicted in BLACK. LF/MF Data is depicted in BROWN.)

Compass Rose with Magnetic North Indicator

Compass Rose and Magnetic North indicator- VHF/UHF NAVAIDS oriented to assigned/derive Magnetic North (when known) or to Magnetic North (if assigned/derive is unknown). All LF/MF NAVAIDS oriented to Magnetic North.

VORTAC VOR VOR/DME TACAN

LF/MF NDB or Marine Radio Beacon

UHF NDB

NDB/DME

Remote Communications Outlet (RCO)

RCO Facility Name

DATA BOXES FOR RADIO AIDS TO NAVIGATION

(VHF/UHF Data is depicted in BLACK. LF/MF Data is depicted in BROWN.)

* Indicates operation is less than continuous.

Underline indicates no voice on this frequency. TACAN channels are without voice, but are not underlined.

Frequency protected effective range in nautical miles (Unless otherwise Noted on FL. Figure represents the lowest of known restriction values.

123.6 122.65* HONOLULU

NAME (ICAO) 114.2 (DME) 116.9 (VOR) 108.6 (ILS)

Overprinted data indicates abnormal status

Flight Service Station (FSS) Frequencies and Controlling Name. T-transmit only. R-receive only.

(T) Indicates TACAN must be placed in "T" mode to receive distance information.

O Indicates Enroute Supplement contains variations in frequency protection data.

Channel and bearing shown when the NAVAID is used to define an ATS route.

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

ATS ROUTE DATA

VHF/UHF data is depicted in BLACK. LF/MF data is depicted in BROWN. (LF/MF data is depicted in BROWN)

Route data for identical VHF/UHF and LF/MF route segments are shown in BLACK only.

- VHF/UHF ATS Route
- RNAV/GPS Route
- LF/MF ATS Route
- Advisory Route and Flight Information Region (FIR) Special limits.

Advisory Route width is portrayed as 10 NM each side of airway centerline when the host country airway width is assumed to be 20 NM total width.

- Military IFR Route
- Substitute/Alternate Route Structure. See NOTAMs for facility outages.
- Direct Route
- ATS Routes
- RNAV/GPS Routes
- Advisory Routes
- Oceanic Routes
- One Direction Flight
- Conditional Routes
- Unusable Segment

Facility Locators used in formation of reporting points

Radial outbound from a VHF/UHF NAVAID

Bearing inbound to a LF/MF NAVAID

Unusable Radial or Bearing

Total Mileage between NAVAIDs and/or Compulsory Reporting Points

Mileage between other Reporting Points, NAVAIDs, and/or Mileage Breakdown

Denotes DME fix (distance same as ATS Route mileage)

DME Recall Line and Mileage

Mileage Breakdown or Computer Nav Fix (CNF) (no ATC function)

VHF/UHF Changeover Point giving mileage to NAVAIDs. (Not shown at mid-point locations)

FLIGHT ALTITUDE AND DIRECTION

CAUTION: THE REPRESENTATION OF INTERNATIONAL BOUNDARIES ON THIS CHART IS NOT NECESSARILY AUTHORITATIVE

Cruising altitudes are shown within the airway central lines when opposite the cruising altitude is shown.

(a-b-c) is a-b-c for eastbound.

A+ for one-way or two-way routes: refers to FL310, FL390, 330, 350, 370, 390, 410, 430, 450 (eastbound in the opposite direction)

B+ on one-way routes: refers to FL430, 450, 470, 490, 510, 530, 550, 570, 590, 610, 630, 650, etc.

Vertical Limits of Control Areas (MAX-00000)

Maximum Authorized Altitude (MAA)

Minimum Flight Altitude (MFA) (derived in DOD Chart only)

Minimum Flight Altitude (MFA) (If indicates MFA derived by NGA)

MFA or Vertical Limit change made on other side NAVAID.

Minimum Reception Altitude (MRA)

Minimum Crossing Altitude (MCA)

REPORTING POINTS

Compulsory — Non-compulsory

RNAV/GPS WAYPOINTS

Compulsory — Non-Compulsory

Fly Over Vigil — Fly By Vigil

Fly Over Vigil — Fly By Vigil

Parenthesis indicate Computer Nav Fix (CNF) or NGA derived name

Off-set arrows indicate fix/waypoint. Off-set reporting point (intersect of, TMT, every from VHF/UHF).

Non-compulsory reporting Waypoint. Not required but at next compulsory reporting point.

BOUNDARIES

Air Defense Identification Zone (ADIZ) Identification Zone

Flight Information Region (FIR)

FIR Sector

Upper Flight Information Region (UIR)

UIR Sector

Combined FIR/UIR

Control Zone (CTLZ), Special Rules Zone (SRZ)

Control Area (CTA), Special Rules Area (SRA), Upper Control Area (UCA)

Control Area (CTA), Upper Control Area (UTA)

CTA/TCA Sector, Upper Control Area (UTA)

ARTCC, ACC

Advisory Area

Non-Free Flying Area (made part in area of Flight Information Boundary)

Buffer Zone

Air Traffic French Peripheral Classification Line

Radar Area Boundary

De Facto Boundary

International Boundary (portrayal when in conflict with more authoritative representation or no claims or competence. Disclaimer applies to all boundaries)

Area of Enlargement / Chart Series Overlap Data is incomplete.

See Blue Ops, Terminal Area Charts, Enroute Supplement for complete details.

Chart Overlap Area

Official Time Zone

AIRSPACE INFORMATION

Open Area (White) indicates controlled airspace (includes CTA/UTA/TRA)

Shaded area (brown), other than U/FMP ATS Route ribbon, indicates unscheduled airspace.

Type of Air Traffic Service

ICAO Identifier

Airspace Classification

Vertical limits of control

FCA/MTCA

A/G Voice call and frequency

MISCELLANEOUS

Off Route Terrain Clearance Altitude (ORTCA)

Isogonic line and value (Standard)

Holding Pattern (Standard)

COORDINATES ARE TO TENTH OF A MINUTE WHEN AVAILABLE.

BEARINGS ARE MAGNETIC.

BEARINGS AND BEARINGS ARE MAGNETIC.

"T" INDICATES TRUE BEARING FOR RNAV ROUTES.

ALTITUDES ARE MSL UNLESS OTHERWISE INDICATED.

TIME IS COORDINATED UNIVERSAL TIME (UTC).

1 STANDARD PERIODS OF DAYLIGHT SAVING TIME (DST) EFFECTIVE HOURS WILL BE ONE HOUR EARLIER THAN STANDARD.

SPECIAL USE AIRSPACE

SPECIAL USE AIRSPACE DATA INCLUDES:

1 Nationality (when and Area Identification. If a country has not been assigned a complete airspace designator, the missing elements, enclosed in parentheses have been added by NGA.

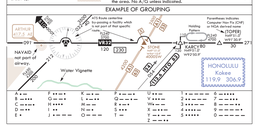
2 Effective Altitude when other than unlimited.

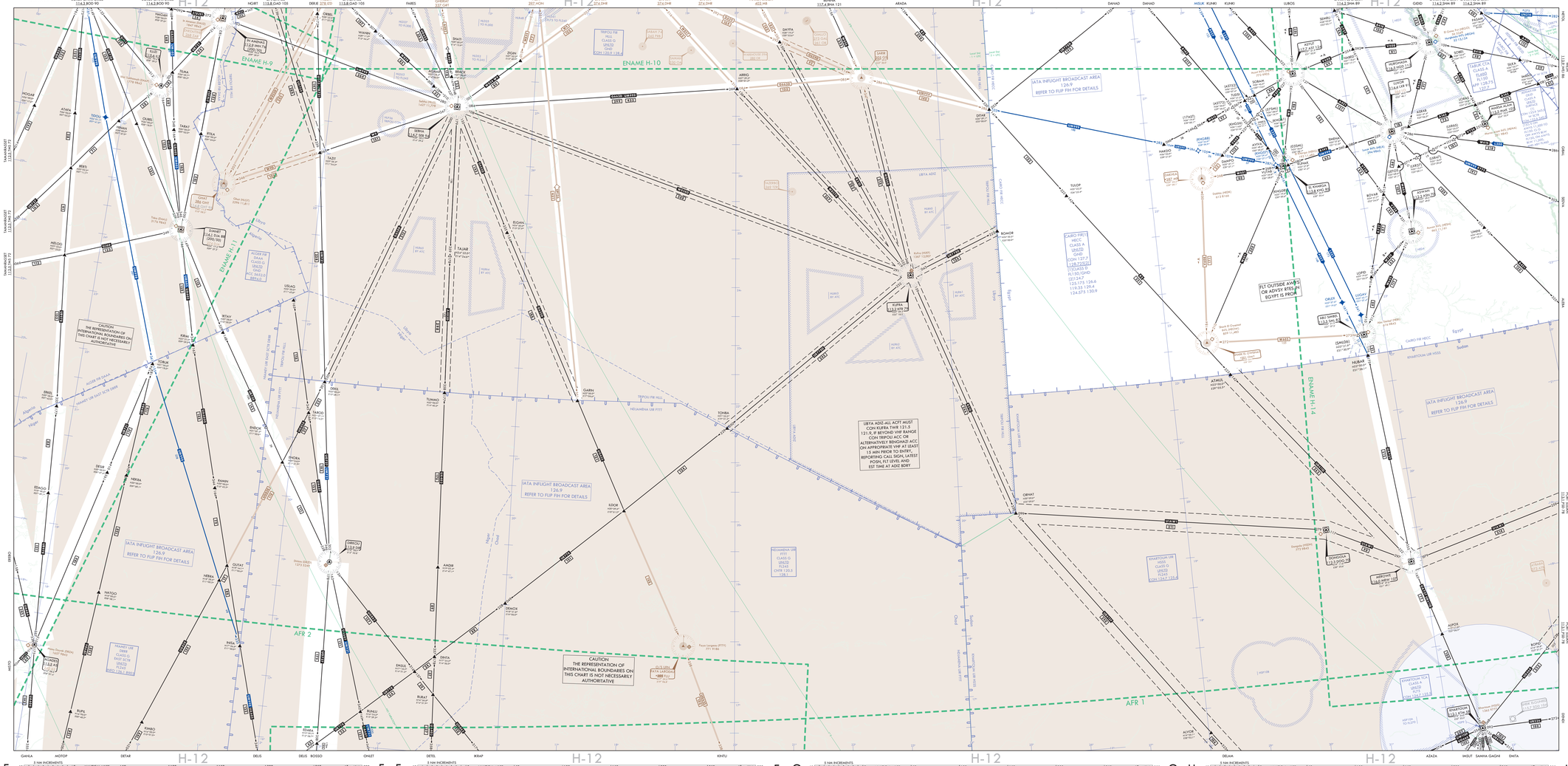
3 Operating Times. When continuous, no time is shown. DAYS/-SR-SS NIGHTS/-SS-SR

4 Weather conditions during which the area is in operation. When continuous, no weather is shown. VMC: Used only during VMC. IMC: Used only during IMC.

5 Voice call-sign of the Controlling Agency A/G for clearance through or operation within the area.

EXAMPLE OF GROUPING




ENAME H-9
ENAME H-10
ENAME H-11
ENAME H-14
AFR 1
AFR 2
IATA INFLIGHT BROADCAST AREA 126.9 REFER TO FLIP FIH FOR DETAILS
CAUTION THE REPRESENTATION OF INTERNATIONAL BOUNDARIES ON THIS CHART IS NOT NECESSARILY AUTHORITATIVE
FLT OUTSIDE AWYS OR ADVSY RTES IN EGYPT IS PROH
UBTA ADIZ-ALL ACFT MUST CON ELIFRA TWR 131.5 121.9, IF BEYOND VHF RANGE CON TRIPOLI ACC OR ALTERNATIVELY BENGHAZI ACC ON APPROPRIATE VHF ATLAS 15 MIN PRIOR TO ENTERING REPORTING CALLS WITH LATEST POSN, FLT LEVEL AND EST TIME AT ADIZ BDRY
CAIRO FIR/UIR HECC CLASS G UNLIMITED GND CON 127.7 118.7 132.5 ELEVATED FL150/GND 121.247 125.175 126.6 119.35 129.4 124.275 130.9
KHARTOUM UIR HSSS CLASS G UNLIMITED GND CON 124.7 125.6
TRIPOLI FIR HLLL CLASS G UNLIMITED GND CON 126.2 128.4
BENGHAZI UIR HLLB CLASS G UNLIMITED GND CON 126.9 128.1
ASMARA UIR HDRR CLASS G UNLIMITED GND CON 126.9 128.1
ADDIS ABABA UIR HAAA CLASS G UNLIMITED GND CON 126.9 128.1
ALGIERS UIR D