H-3

PANELS ABCD
1" = 27 NM

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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)

H-4

PANELS EFGH
1" = 24 NM

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 Diffs → IAO DIFFS

Home (ICAO) 123.4 ① 124.4 ② 123.4 ③ 123.4 ④ 109.5

Indicates Fixed-Wing operations are prohibited

Elevation in Feet MSL

Automatic Terminal Information Service. Number in parenthesis indicates operation (on less than continuous).

Home (ICAO)

No runway lighting

Runway lighting available. Asterisk indicates lighting on request. Oval 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/done Magnetic North (when known) or to Magnetic North (when assigned/done is unknown). 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)

Frequency and Controlling Agency

RCO Facility Name

DATA BOXES FOR RADIO AIDS TO NAVIGATION

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

123.6 122.6* 122.1R (HONOLULU)

NAME 000.0 (MIE) 000.0 (ADC) 000.0 (ADF)

*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/Altitude in thousands of feet or FL. Figure represents the lowest of known restriction values.

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.

⊙ indicates Enroute Supplement contains variations in frequency protection data.

Coordinates are shown when the NAVAID is used to define an ATS route.

Overprinted data indicates abnormal data.

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

ATS ROUTE DATA

VHF/UHF data is depicted in BLACK. RNAV/GPS data is depicted in BLUE. 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 Route Corridor
- Advisory Route

Advisory Route width is portrayed as 10 NM each side of airway centerline when the host country value is unknown or exceeds 20 NM total width.

- Military IFR Route

Route Structures. See Route Structures. See NOTAMs for facility outages.

- ⊸210/V832/⊸030⊸ Direct Route
- V232 ATS Routes B12
- V232 RNAV/GPS Routes
- D215 Advisory Routes D215
- A202 Oceanic Routes A202
- L832 One Direction Flight L832
- Conditional Routes
- Unusable Segment
- Facility Location and Formation of reporting points
- 000 Radial outbound from a VHF/UHF NAVAID
- 000 Bearing inbound to a LF/MF NAVAID
- (000) Unusable Radial or Bearing
- 000 Total Mileage between Reporting Points and/or Compulsory Reporting Points
- Mileage between other Reporting Points, NAVAIDs, and/or Mileage Breakdown
- Denotes DME fix (distance name as ATS Route mileage)
- DME Radial Line and Mileage
- Mileage Breakdown on Computer Non-Fix (CNF) (no ATC function)
- VHF/UHF Changeover Point giving mileage to NAVAIDs. (Not shown at mid-point locations)

FLIGHT ALTITUDE AND DIRECTION

Cruising levels that apply when flying on airways routes where opposite the cruising level diagram. (A-N/A-N-Pilot airspace)

A - For one-way or two-way routes (00, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, etc. If levels apply in the opposite direction.

B - For one-way routes (odd+5 FL/FL 45, 85,.... 200, 230, 260, 290, 320, 350, 380, 410, 440, etc.

- 5000 Vertical Limits of Control
- MAA-00000 Maximum Authorized Altitude (MAA)
- 00000 Minimum Flight Altitude (MFA) (Applies to DOD Flight Plans)
- Minimum Flight Altitude (MFA) (# indicates MFA derived by MOA)
- MFA or Vertical Limit change made at other than NAVAIDs.
- Minimum Obstruction Altitude (MOCA)
- Minimum Crossing Altitude (MCA)

REPORTING POINTS

- Compulsory
- Non-compulsory
- RNAV/GPS WAYPOINTS
- Fly Over Wpt
- Fly By Wpt
- Non-Compulsory
- Fly Over Wpt
- Fly By Wpt
- Pointed/Rounded Indicates Computer Non Fix (CNF)
- (NAC00) Computer Non Fix (CNF) (no ATC function)
- Off-set arrows indicate facility forming a reporting point (Overlap) (if VHF, every other facility)

BOUNDARIES

- Air Defense Identification Zone (ADIZ) or German Air Traffic Control Zone
- Flight Information Region (FIR)
- FIR Sector
- Upper Information Region (UIR)
- UIR Sector
- Combined FIR/UIR
- Control Zone (CTZ), Special Rules Zone (SRZ)
- Control Area (CTA), Special Rules Area (SRA), and Oceanic Control Areas (OCA)
- CTA/TCA Sector, Special Rules Area (SRA)
- ARTCC, ACC Advisory Area
- Non-Free Flying Area (not applicable to some international boundaries)
- Buffer Zone
- Trench Peripheral Classification Line
- Radar Area Boundary
- De Facto Boundary

International Boundary - (without area in conflict with other important aeronautical information shown on this chart) (Where areas are shown where applicable)

Sea Blue Up, Terminal Area Charts, Enroute Charts, Terrain for Complete detail.

- Chart Overlap Area
- Official Time Zone

AIRSPACE INFORMATION

Open areas (white) indicates Controlled Airspace (includes CTA, CTZ, SRA).

Shaded areas (brown), other than LF/MF ATS Route ribbons, indicates uncontrolled airspace.

Type of Air Traffic Service

ICAO Identifier

Airspace Classification

Vertical limits of control

TCA/ATCA

A/G Voice Comm. and frequency

MISCELLANEOUS

- Off Route Terrain Clearance Altitude (ORTCA)
- Isogonic line and value
- Holding Pattern (Standard)

COORDINATES NOTED IN DEGREES OF A MINUTE WHEN AVAILABLE.

BEARINGS AND RANGES ARE MAGNETIC.

"T" INDICATES TRUE BEARINGS FOR RNAV/GPS WAYPOINTS.

ALTITUDES ARE MSL UNLESS OTHERWISE INDICATED.

TIME IS COORDINATED UNIVERSAL TIME (UTC).

1 NAUTICAL MINUTE OF ELEVATION CHANGE FOR 6 NM OR GREATER FOR 6 NM, 80 FOR HIGH ENROUTE FLIGHT LEVELS.

SPECIAL USE AIRSPACE

- P (UR-123) ①
- ARTA (123) ②
- TO FLOOD ③
- ALTRV (ARTA 123) ④
- MOA (ARTA 123) ⑤
- NAVD CENTER ARTA (123) ⑥

Indicates boundary defined by navigational aids or fixed points, Radials, Radars, Lines or Blue Ids.

IMPORTANT OPERATIONAL AREA (IAOA)

SPECIAL USE AIRSPACE DATA INCLUDES:

① Nationality (name and area identification). If a country has not been assigned a complete name, designator, the missing elements, enclosed in parenthesis, are assigned by the IAGA.

② Effective Altitude when other than unlimited.

③ Operating Times. When continuous, no time is shown. DAYS-TIME-TZ: MOON-SUN-LIGHT

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 the area. No A/G unless indicated.

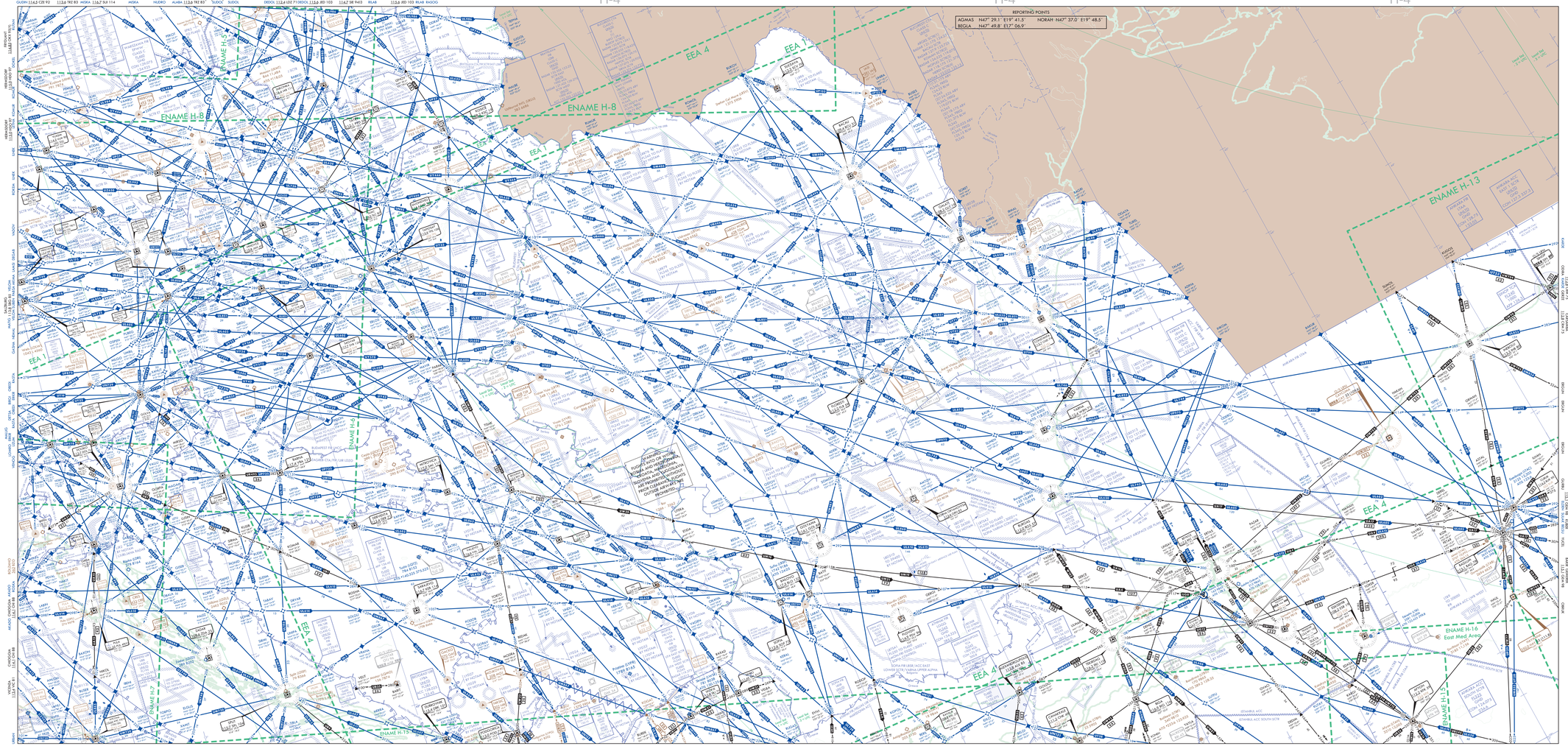
EXAMPLE OF GROUPING

ATC Route centerline. Pilot may fly anywhere within or on edge of that route.

Parallelness indicates Pilot may fly anywhere in FIRA airspace.

NAVAID not part of airway.

Water Vignette

HONOLULU Kalaeo 119.9 306.9

A	·—	H	····	O	———	V	···—	1	·————	6	—····
B	—···	I	··	P	·——·	W	·——	2	··———	7	——···
C	—·—·	J	·———	Q	——·—	X	—··—	3	···——	8	———··
D	—··	K	—·—	R	·—·	Y	—·——	4	····—	9	————·
E	·	L	·—··	S	···	Z	——··	5	·····	0	—————
F	··—·	M	——	T	—						
G	——·	N	—·	U	··—