SERIES	1501 AIR
SHEET	NF 37-4
EDITION	2

SERIES 1501 COMPANION SHEET IS EDITION 1-GSGS

POPULATED PLACES

Over 100,000 — DIMASHQ (DAMAS)

50,000 to 100,000 — AL ḤUDAYDAH

10,000 to 50,000 — 'Ajmān

2,000 to 10,000 — Dār al Amīr

Less than 2,000 — Khaysā

ROADS

Dual highway — 4 LANES DUAL

All weather, hard surface

More than two lanes wide — 4 LANES

Two lanes wide

One lane wide

All weather, loose or light surface — 3 LANES

More than two lanes wide

Two lanes wide

One lane wide

Fair or dry weather, loose surface

Cart track

Footpath, trail

Route marker — 50

RAILROADS

	Single track	Multiple track
Normal gauge, single track 1.44m (4'8 1/2")		
Narrow gauge		

BOUNDARIES

International

First-order administrative

OTHER FEATURES

Area name — HAUD

Mine or quarry

Campsite; Ruins; Watermill

School; Church; Landmark

Mosque; Moslem shrine

Small reservoir or cistern

Well; Perennial; Intermittent; Spring

Underground aqueduct with shafts

Sabkha or Dry lake; Intermittent lake

Single line intermittent stream; Wadi

Marsh or swamp; Land subject to inundation

Mound; Levee

Mudflat; Distorted surface

Sand, flat or rolling; Sand dunes

Horizontal control point

VEGETATION

	None	
Woods, brushwood; Scattered trees		
Orchard, vineyard; Cultivation		

HYDROGRAPHY

Rocks, uncovering or awash

Exposed wreck

Limit of danger; Reef

Foreshore flat

Depth curve; Lighthouse

TERRAIN ELEVATIONS

Spot elevation, normal; critical — •646 *840

HIGHEST KNOWN elevation is 5069 feet at the following coordinates:

Geographic 23°09'N. 41°20'E

Grid GF3962

± following elevation value indicates accuracy is not within 100 feet

AERODROMES (Military or Civil) — EDNA/50/4

Runway pattern known — 725

Field limits and runway pattern unknown

HELIPORT — H

RADIO FACILITIES

VOR VORTAC

TACAN VOR/DME

RADIO RANGE LF/MF — RNG HURN

MULTIPLE RADIO FACILITIES — NDB RNG PARIS

CONTROLLED AIRSPACE

ADIZ — ATLANTIC ADIZ

VISUAL AIDS AND OBSTRUCTIONS

Obstruction — 1108 (259)

1108 Elevation of obstruction top, above sea level

(259) Elevation of obstruction top, above ground level

Group obstruction

Radio facility obstruction

Power transmission line

Visual ground sign — M

Aero light; Marine light

CAUTION

Vertical obstructions, including powerlines, have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

CAUTION

AIR INFORMATION CURRENT THROUGH
26 MARCH 1991

Consult NOTAMS and Flight Information Publications for the latest air information; the DMA Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

MAGNETIC VARIATION FOR 1990 IS APPROXIMATELY
2°15' EAST OVER THE ENTIRE AREA
(Annual rate of change, no change)

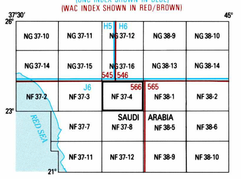
ATTENTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)

The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quandrangle, including terrain and obstructions (trees, towers, antennas, etc.).

EXAMPLE: 12,500 feet — 125

LOCATION DIAGRAM
(UNC INDEX SHOWN IN BLUE)
(WAC INDEX SHOWN IN RED/BROWN)



SCALE 1:250,000
MAHD ADH DHAHAB,
SAUDI ARABIA

SERIES	1501 AIR
SHEET	NF 37-4
EDITION	2

SERIES 1501 COMPANION SHEET IS EDITION 1-GSGS

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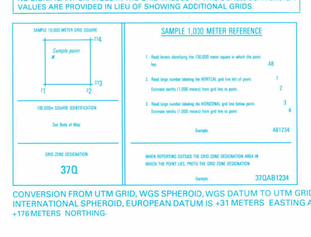
Compiled 1985 Revised DMAAC, April 1991

DMA IS UPDATING THE MILITARY GRID REFERENCE SYSTEM. SINCE THERE ARE NO SIGNIFICANT CHANGES IN THE GRID VALUES AT THIS SCALE, CONVERSION VALUES ARE PROVIDED IN LIEU OF SHOWING ADDITIONAL GRIDS.



CONVERSION FROM UTM GRID, WGS SPHEROID, WGS DATUM TO UTM GRID INTERNATIONAL SPHEROID, EUROPEAN DATUM IS +31 METERS EASTING AND +176 METERS NORTHING.

CONVERSION OF ELEVATIONS

FEET	METRES	FEET	METRES
1000	305	10000	3048
900	274	9000	2743
800	244	8000	2438
700	213	7000	2134
600	183	6000	1829
500	152	5000	1524
400	122	4000	1219
300	91	3000	914
200	61	2000	610
150	46	1500	457
100	30	1000	305

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

5 0 5 10 15 20 Statute Miles
5 0 5 10 15 20 25 30 Kilometres
5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 330 FEET WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 85 FOOT INTERVALS

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 37, WORLD GEODETIC SYSTEM SPHEROID

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4864; DSN 693-4864; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN.: ES, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

(UK Users) DIRECTORATE OF MILITARY SURVEY, MINISTRY OF DEFENCE, ELMWOOD AVENUE, FELTHAM, MIDDLESEX, ENGLAND TW13 7AE.

ELEVATIONS IN FEET

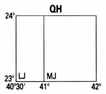
ELEVATIONS IN FEET

WARNING
Flying Over Saudi Arabian Territory Without Permission And/Or Flying Outside Routes Is Strictly Prohibited.

GLOSSARY

Āzāz	wells
Bi'r	well
Dahlat	depression
Dā', Dā'at	hill
Dil'ān	hills
Dulay'	hill
Dulay'āt	hills
Faydat	depression
Ghadīr	rainpool
Hadbat	hill, ridge
Ḥarrat	lava field
Ḥiḍāb	hill
Jabal	hill(s), mountain(s)
Jibāl	hills, mountains
Niq'at	marsh, depression
Qā'	depression
Sabkhat	salt marsh
Sha'īb	wadi
Tilāl	hill
Wādī	wadi

GEOREF BASIC 15° QUADRANGLE



ELEVATION TINT — FEET 2625

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

PLOTTING ACCURACY 90% ASSURANCE	AREA I	AREA II	AREA III	AREA IV	AREA V
Horizontal	within 850 ft.	within 850 ft.	within 850 ft.	within 850 ft.	within 850 ft.
Contours	330 ft.	330 ft.	330 ft.	330 ft.	330 ft.
DATE OF INFORMATION					
GRAPHIC FEATURE	AREA I	AREA II	AREA III	AREA IV	AREA V
Manmade features	1983	1978	1984	1987	1987-90
All other features	1985	1985	1985	1985	1985

Horizontal Datum: World Geodetic System
Vertical datum: Mean Sea Level
Transverse Mercator Projection
Datum Conversion from WGS Datum to European Datum is +4".6 Latitude and +0".8 Longitude

NOTES

No obstructions 200 feet or more above ground level are known to exist in this area.
On this graphic a lane is generally considered as being 8 feet (2.5 meters) in width.
Road classification should be referred to with caution.

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