



SERIES 1501 AIR SHEET NE 38-5 EDITION 6

POPULATED PLACES

Over 100,000 **DIMASHQ (DAMAS)**
 50,000 to 100,000 **AL HUDAYDAH**
 10,000 to 50,000 **Al Amn**
 2,000 to 10,000 **Dar al Amir**
 Less than 2,000 **Khayri**

ROADS

4 LANE ROAD
 All weather, hard surface
 More than two lanes wide
 Two lanes wide
 One lane wide

3 LANE ROAD
 All weather, loose or light surface
 More than two lanes wide
 Two lanes wide
 One lane wide

2 LANE ROAD
 Fair or dry weather, loose surface

Cart track
 Footpath, trail
 Ridge marker

RAILROADS

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

BOUNDARIES

International
 First-order administrative

OTHER FEATURES

HAUD
 Area name
 Mine or quarry
 Campsite, Ruins, Watermill
 School, Church, Landmark
 Mosque, Muslim shrine
 Small reservoir or cistern
 Well, Perennial, Intermittent, Spring
 Underground aqueduct with shafts

Sakha or Dry lake, Intermittent lake
 Single line intermittent stream, Wadi
 Marsh or swamp; Land subject to inundation
 Mound, Level
 Mudflat, Distorted surface
 Sand, Hat or rolling; Sand dunes
 Horizontal control point

VEGETATION

Woods, brushwood, Scattered trees
 Orchard, vineyard, Cultivation
 NONE

HYDROGRAPHY

Rocks, unweathered or awash
 Fossilized waves
 Limit of danger; Reef
 Foreshore flat
 Depth curve; Lighthouse

TERRAIN ELEVATIONS

Spot elevation, normal; critical
 HIGHEST KNOWN elevation is 9892 feet at the following coordinates:
 Geographic: 18°19'N, 42°22'E
 Grid: K72121
 following elevation value indicates accuracy is not within 100 feet.

AERODROMES (Military or Civil)

EDNA/50/4
 Runway pattern known
 Field limits and runway pattern unknown

HELIPORT

RADIO FACILITIES

VOR VORTAC
 TACAN VOR/DME
 RADIO RANGE LF/MF
 VOR VORTAC
 MULTIPLE RADIO FACILITIES
 ATLANTIC ADIZ

CONTROLLED AIRSPACE

ADIZ

VISUAL AIDS AND OBSTRUCTIONS

Obstruction
 1108 (256)
 1108 Elevation of obstruction top, above sea level
 (256) Elevation of obstruction top, above ground level

Group obstruction
 Radio facility obstruction
 Power transmission line
 Visual ground sign
 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 30 APRIL 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 1°45' EAST OVER THE ENTIRE AREA
 (Annual rate of change, 1" increase)

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 features in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).

EXAMPLE: 12,500 feet. 125

LOCATION DIAGRAM

Boundary Representation is Not Necessarily Authoritative
 (WAC INDEX SHOWN IN RED/BROWN)

SCALE 1:250,000

ABHA, SAUDI ARABIA

SERIES 1501 AIR SHEET NE 38-5 EDITION 6

SERIES 1501 COMPANION SHEET IS EDITION 4 6565

Prepared under the direction of the Director of Military Survey, Ministry of Defence, United Kingdom, 1987.
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CONVERSION OF ELEVATIONS

FEET	METERS
100	30.5
200	61.0
300	91.5
400	122.0
500	152.5
600	183.0
700	213.5
800	244.0
900	274.5
1000	305.0
1100	335.5
1200	366.0
1300	396.5
1400	427.0
1500	457.5
1600	488.0
1700	518.5
1800	549.0
1900	579.5
2000	610.0
2100	640.5
2200	671.0
2300	701.5
2400	732.0
2500	762.5
2600	793.0
2700	823.5
2800	854.0
2900	884.5
3000	915.0
3100	945.5
3200	976.0
3300	1006.5
3400	1037.0
3500	1067.5
3600	1098.0
3700	1128.5
3800	1159.0
3900	1189.5
4000	1220.0
4100	1250.5
4200	1281.0
4300	1311.5
4400	1342.0
4500	1372.5
4600	1403.0
4700	1433.5
4800	1464.0
4900	1494.5
5000	1525.0
5100	1555.5
5200	1586.0
5300	1616.5
5400	1647.0
5500	1677.5
5600	1708.0
5700	1738.5
5800	1769.0
5900	1799.5
6000	1830.0
6100	1860.5
6200	1891.0
6300	1921.5
6400	1952.0
6500	1982.5
6600	2013.0
6700	2043.5
6800	2074.0
6900	2104.5
7000	2135.0
7100	2165.5
7200	2196.0
7300	2226.5
7400	2257.0
7500	2287.5
7600	2318.0
7700	2348.5
7800	2379.0
7900	2409.5
8000	2440.0
8100	2470.5
8200	2501.0
8300	2531.5
8400	2562.0
8500	2592.5
8600	2623.0
8700	2653.5
8800	2684.0
8900	2714.5
9000	2745.0
9100	2775.5
9200	2806.0
9300	2836.5
9400	2867.0
9500	2897.5
9600	2928.0
9700	2958.5
9800	2989.0
9900	3019.5
10000	3050.0

DMAS 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.

EXAMPLE 1:000 METER REFERENCE

1. The 1:000 METER REFERENCE GRID is shown in blue on this chart.

2. The 1:000 METER REFERENCE GRID is shown in blue on this chart.

3. The 1:000 METER REFERENCE GRID is shown in blue on this chart.

CONVERSION FROM UTM GRID, WGS SPHEROID, WGS DATUM TO UTM GRID, INTERNATIONAL SPHEROID, EUROPEAN DATUM IS +12 METERS EASTING AND -173 METERS NORTHING.

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

CONTOUR INTERVAL APPROXIMATELY 330 FEET WITH SUPPLEMENTARY CONTOURS AT 165 FOOT INTERVALS

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 38, WORLD GEODETIC SYSTEM SPHEROID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-2099, COMMERCIAL: 314-363-4864 (DIA) 803-8864 OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: ES, MAIL STOP L-88, 4600 AMMAN ROAD, BETHESDA, MD 20816-5003.

(UK Users) Directorate of Military Survey, Ministry of Defence, Elmwood Avenue, Feltham, Middlesex, England TW13 7AE.

GLOSSARY

Jabl mountain, volcanic cone
 S.M. station
 Shrub shrub
 Wad wadi

RELIABILITY OF THIS GRAPHIC

(As determined by standard protocol)

PLOTTING ACCURACY 90% ASSURANCE	AREA I	AREA II
Horizontal	±0.2%	±0.3%
Vertical	±0.2%	±0.3%
Common	±0.2%	±0.3%

ELEVATION TINTS

FEET
500
825
600
330

NOTES

Powerlines are shown except within populated place tints. Other obstructions are shown, if they are 200 feet or more above ground level. See caution note. On this graphic a lane is generally considered as being 8 feet (2.5 meters) in width. Road classifications should be referred to with caution.

Horizontal Datum: World Geodetic System
 Vertical Datum: Mean Sea Level
 Transverse Mercator Projection
 Datum Conversion from WGS Datum to European Datum is +4" 8" Latitude and +0" 7" Longitude.

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