SERIES 1501 AIR
SHEET NG 38-3
EDITION 5

SERIES 1501 COMPANION SHEET IS EDITION 3-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
More than two lanes wide (3 LANES)
Two lanes wide
One lane wide
Fair or dry weather, loose surface
Cart track
Footpath, trail
Route marker (50)

RAILROADS
Normal gauge, single track 1.44m (4'8½"); Double track
Narrow gauge

BOUNDARIES
International
First-order administrative

OTHER FEATURES
Area name ..... None
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
Woods, brushwood; Scattered trees (None None)
Orchard, vineyard (None None)

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 2083 feet at the following coordinates:
Geographic ..... 27°02'N, 45°13'E
Grid NQ2291
± following elevation value indicates accuracy is not within 100 feet

AERODROMES (Military or Civil)
Runway pattern known (EDNA/50/5 725)
Field limits and runway pattern unknown
HELIPORT

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
10 JULY 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°30' EAST OVER THE ENTIRE AREA
(Annual rate of change, no change)

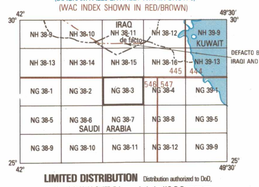
ATTENTION

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
Boundary Representation is Not Necessarily Authoritative
(DIAGRAM FALLS ENTIRELY WITHIN ONC H-6)
(WAC INDEX SHOWN IN RED/BROWN)



DEFACTO BOUNDARY AS SHOWN ON OFFICIAL IRAQI AND SAUDI MAPS (ALIGNMENT APPROXIMATE)

Produced under the direction of the Director of Military Survey.
Ministry of Defence, United Kingdom, 1987
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SCALE 1:250,000
MADĪNAT AL MALIK
KHĀLID AL'ASKARĪYAH, SAUDI ARABIA

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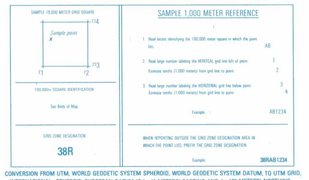
ELEVATIONS IN FEET

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
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	31	1000	305



CONVERSION FROM UTM, WORLD GEODETIC SYSTEM SPHEROID, WORLD GEODETIC SYSTEM DATUM, TO UTM GRID, INTERNATIONAL SPHEROID, EUROPEAN DATUM IS (+ 13 METERS EASTING AND (+ 178 METERS) NORTHING.

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

5 0 5 10 15 20 Statue Miles
5 0 5 10 15 20 25 30 Kilometers
5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 165 FEET
WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 85 FEET

BLUE NUMBERED TICKS INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 38 WORLD GEODETIC SYSTEM ELLIPSOID

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0899; COMMERCIAL 1-314-260-1236; DSN 480-1236; OR WRITE TO: ATTN: CSD, MAIL STOP P-37, NATIONAL IMAGERY AND MAPPING AGENCY, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

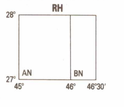
WARNING
Flying over Saudi Arabian Territory without prior permission and/or flying outside routes is strictly prohibited.

ELEVATIONS IN FEET

GLOSSARY

Abraq ..... mountain or rocky hill with sandy slope
'Ayn ..... spring
Bir; pl. Ābār, Qalib ..... well
Birkah(t) ..... cistern, pond or rainpool
Darb ..... road or trail
Dawhah(t) ..... bay
Dil'; pl. Dil'an, Dulay'; pl. Dulay'āt ..... small ridge
Fayd(āh) ..... land subject to inundation
Haḍabah(t) ..... plateau
Ḥarrah(t) ..... field of lava and volcanic ejecta
Ḥazm; pl. Ḥuzūm ..... hill
Ḥiṣn ..... fort
'Idd ..... perennial well
'Irq; pl. 'Urūg ..... long linear and ridge or dunes
Jabal; pl. Jibāl ..... mountain, hill
Jaww ..... depression
Jazīrah(t); pl. Jazā'ir ..... island
Khaba'ah(t) ..... mud flat and silt surface
Markaz ..... (police) post
Mintaqah(t) ..... province, district or area
Mishash ..... waterhole
Qā' ..... mud flat
Qarn; pl. Qurūn ..... horn
Ra's ..... headland, cape
Sabkhah(t) ..... sabkha; dry lake (often salt)
Sadd ..... dam
Sha'ib or Sh'ib ..... small rugged wādi or ravine
Tarīq ..... dry watercourse
Wādi ..... road or trial
Zawr ..... neck (of land)

GEOREF
BASIC 15° QUADRANGLE



RELIABILITY OF THIS GRAPHIC

Compiled from best available source materials.

Horizontal Datum: WGS 84
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

Datum Conversion from World Geodetic System Datum to European Datum is +4.3" Latitude and +.4" Longitude.

ELEVATION TINT (FEET 880)

NOTES

Powerlines are shown except within populated place tints.
On this graphic a lane is generally considered as being 8 feet (2.5 meters) in width.
THE REPRESENTATION OF BOUNDARIES IS NOT NECESSARILY AUTHORITATIVE.
ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.
Powerline information and obstructions have been extracted from the most reliable source available. However, there is no assurance that all powerlines and obstructions are shown or that their locations and heights are correct.

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