

SERIES 1501 AIR SHEET NG 38-5 EDITION 1

- POPULATED PLACES**
- Over 100,000 **AR RIYAD**
 - 50,000 to 100,000 **AL KHUBAR**
 - 10,000 to 50,000 **Buqayq**
 - 2,000 to 10,000 **Al-Huwwah**
 - Less than 2,000 **Buraydah**
- ROADS**
- Dual highway **4 LANES DUAL**
 - All weather, hard surface **4 LANES**
 - More than two lanes wide **4 LANES**
 - Two lanes wide **4 LANES**
 - One lane wide **4 LANES**
 - All weather, loose or light surface **3 LANES**
 - More than two lanes wide **3 LANES**
 - Two lanes wide **3 LANES**
 - One lane wide **3 LANES**
 - Fair or dry weather, loose surface **3 LANES**
 - Cart track **3 LANES**
 - Footpath, trail **3 LANES**
 - Route marker **3 LANES**
- RAILROADS**
- Normal gauge, single track 1.44m (4'8 1/2") Double track **3 LANES**
 - Narrow gauge **3 LANES**

- BOUNDARIES**
- International **3 LANES**
- OTHER FEATURES**
- Area name **AQ MIRA**
 - Mine or quarry **AQ MIRA**
 - Campsite, Ruins, Watermill **AQ MIRA**
 - School, Church, Landmark **AQ MIRA**
 - Mosque, Muslim shrine **AQ MIRA**
 - Small reservoir or cistern **AQ MIRA**
 - Well, Perennial, Intermittent, Spring **AQ MIRA**
 - Underground aqueduct with shafts **AQ MIRA**
 - Sakha or Dry Lake, Intermittent lake **AQ MIRA**
 - Single line intermittent stream, Wadi **AQ MIRA**
 - Marsh or swamp; Land subject to inundation **AQ MIRA**
 - Mound, Levee **AQ MIRA**
 - Mudflat; Distorted surface **AQ MIRA**
 - Sand, flat or rolling; Sand dunes **AQ MIRA**
 - Horizontal control point **AQ MIRA**
- VEGETATION**
- Woods, Broadwood, Scattered trees **AQ MIRA**
 - Orchard, vineyard, Scrub **AQ MIRA**
- HYDROGRAPHY**
- Rocks, uncovering or awash **AQ MIRA**
 - Exposed wreck **AQ MIRA**
 - Limit of danger, Reef **AQ MIRA**
 - Foreshore flat **AQ MIRA**
 - Depth curve, Lighthouse **AQ MIRA**

- TERRAIN ELEVATIONS**
- Spot elevation, normal, critical **AQ MIRA**
 - HIGHEST KNOWN ELEVATION IS **4859** feet at the following coordinates: Geographic: **26°59' N, 42°04' E**; Grid: **K0088**
 - following elevation value indicates accuracy is not within 100 feet
- AERODROMES (Military or Civil)**
- EDNA/50/5 **725**
 - Runway pattern known **725**
 - Field limits and runway pattern unknown **725**
- HELIPORT**
- VOR/VORTAC **725**
 - TACAN/VOR/DME **725**
 - RADIO RANGE LF/MF **725**
 - MULTIPLE RADIO FACILITIES **725**
- CONTROLLED AIRSPACE**
- ADIZ **ATLANTIC ADIZ**

- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction **1108 (259)**
 - 1108-Elevation of obstruction top, above sea level **1108 (259)**
 - (259)-Elevation of obstruction top, above ground level **1108 (259)**
 - Group obstruction **1108 (259)**
 - Radio facility obstruction **1108 (259)**
 - Power transmission line **1108 (259)**
 - Visual ground sign **1108 (259)**
 - Aero light, Marine light **1108 (259)**

- CAUTION**
- Vertical obstructions, including antennas, have been extracted from the most reliable sources available. However, there is no assurance that all antennas, or that their locations or heights are exact.
- CAUTION**
- AIR INFORMATION CURRENT THROUGH 9 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 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 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)
- | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|
| 26° 31'-15" | 42° 00'-00" | 42° 15'-00" | 42° 30'-00" | 42° 45'-00" | 43° 00'-00" |
| 26° 31'-15" | 42° 00'-00" | 42° 15'-00" | 42° 30'-00" | 42° 45'-00" | 43° 00'-00" |
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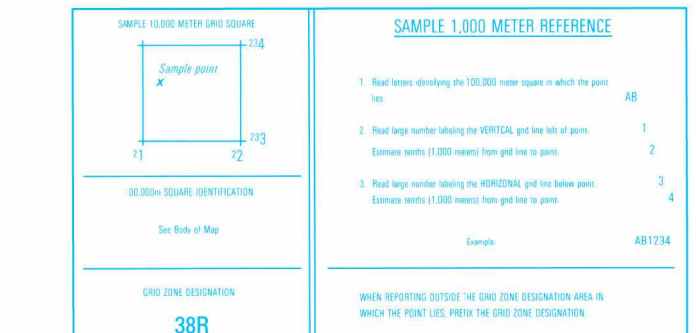
Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis, Missouri. Compiled March 1991.



CONVERSION OF ELEVATIONS

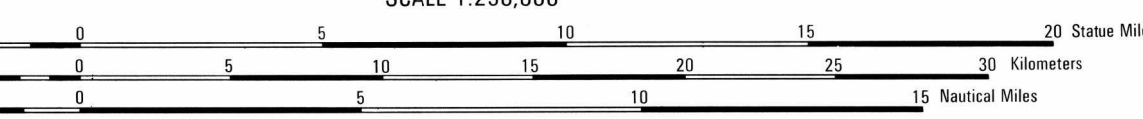
FEET	METERS	FEET	METERS
1000	305	3000	914
2000	610	4000	1219
3000	914	5000	1524
4000	1219	6000	1829
5000	1524	7000	2134
6000	1829	8000	2438
7000	2134	9000	2743
8000	2438	10000	3048
9000	2743		
10000	3048		

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-84 SPHEROID, WORLD GEODETIC SYSTEM DATUM TO UTM GRID, INTERNATIONAL SPHEROID, EUROPEAN DATUM IS +12 METERS EASTING AND +176 METERS NORTHING.

JOINT OPERATIONS GRAPHIC (AIR)



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

BLUE NUMBERED LINES INDICATE THE 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 38, WORLD GEODETIC SYSTEM ELLIPSOID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE DMA OPERATIONAL HELP DESK: 1-800-455-0898, COMMERCIAL 314-263-4884, DSN 693-4864, OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: IS, MAIL STOP 148, 4800 BANGAMORE ROAD, BETHESDA, MD 20816-9002.

GLOSSARY

- Dil'an: hills
- Jabal: mountains
- Shab: mountains
- Shab: wadi
- Wadi: wadi

RELIABILITY OF THIS GRAPHIC

(As determined by standard practice)

FLIGHTING ACCURACY 95% ASSURANCE	AREA 1		AREA 2	
	width	height	width	height
Horizontal	90 ft	45 ft	90 ft	45 ft
Vertical	90 ft	45 ft	90 ft	45 ft
GRAPHIC FEATURE	AREA 1		AREA 2	
Contours	1000	1000	1000	1000
All other features	1000	1000	1000	1000

Horizontal Datum: World Geodetic System
Vertical datum: Mean Sea Level
Transverse Mercator Projection

Datum Conversion from World Geodetic System Datum to European Datum is +4.4" Latitude and +0.7" Longitude

NOTES

- No obstructions 200 feet or more above ground level are known to exist in this area.
- Powerlines are shown except within populated place limits.
- On this graphic a line is generally considered as being 8 feet (2.5 meters) in width.
- BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITY.
- ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.
- Road classification should be referred to with caution.

Reprinted by NIMA 12-02

