

SERIES 1501 AIR SHEET NE 39-4 EDITION 1

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

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

**BOUNDARIES**  
International

- OTHER FEATURES**
- 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
  - Orchard, vineyard; Scrub
- HYDROGRAPHY**
- Rocks, uncovering or awash
  - Exposed wreck
  - Limit of danger, Reef
  - Foreshore flat
  - Depth curve; Lighthouse

**TERRAIN ELEVATIONS**  
Spot elevation, normal; critical  
HIGHEST KNOWN elevation is 1385 feet at the following coordinates: 19°00'N, 52°46'E  
Grid: X88602

**AERODROMES (Military or Civil)**  
Runway pattern known

**HELIPORT**  
Field limits and runway pattern unknown

**RADIO FACILITIES**  
VOR VORTAC  
TACAN VOR/DME  
RADIO RANGE LF/MF

**MULTIPLE RADIO FACILITIES**  
CONTROLLED AIRSPACE  
ADIZ

**VISUAL AIDS AND OBSTRUCTIONS**  
ADIZ  
Obstruction  
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  
Aero light; Marine light

**CAUTION**  
Vertical obstructions, including powerlines, have been removed from the map unless otherwise available. However, there is no assurance that all are shown, or that their location or height are exact.

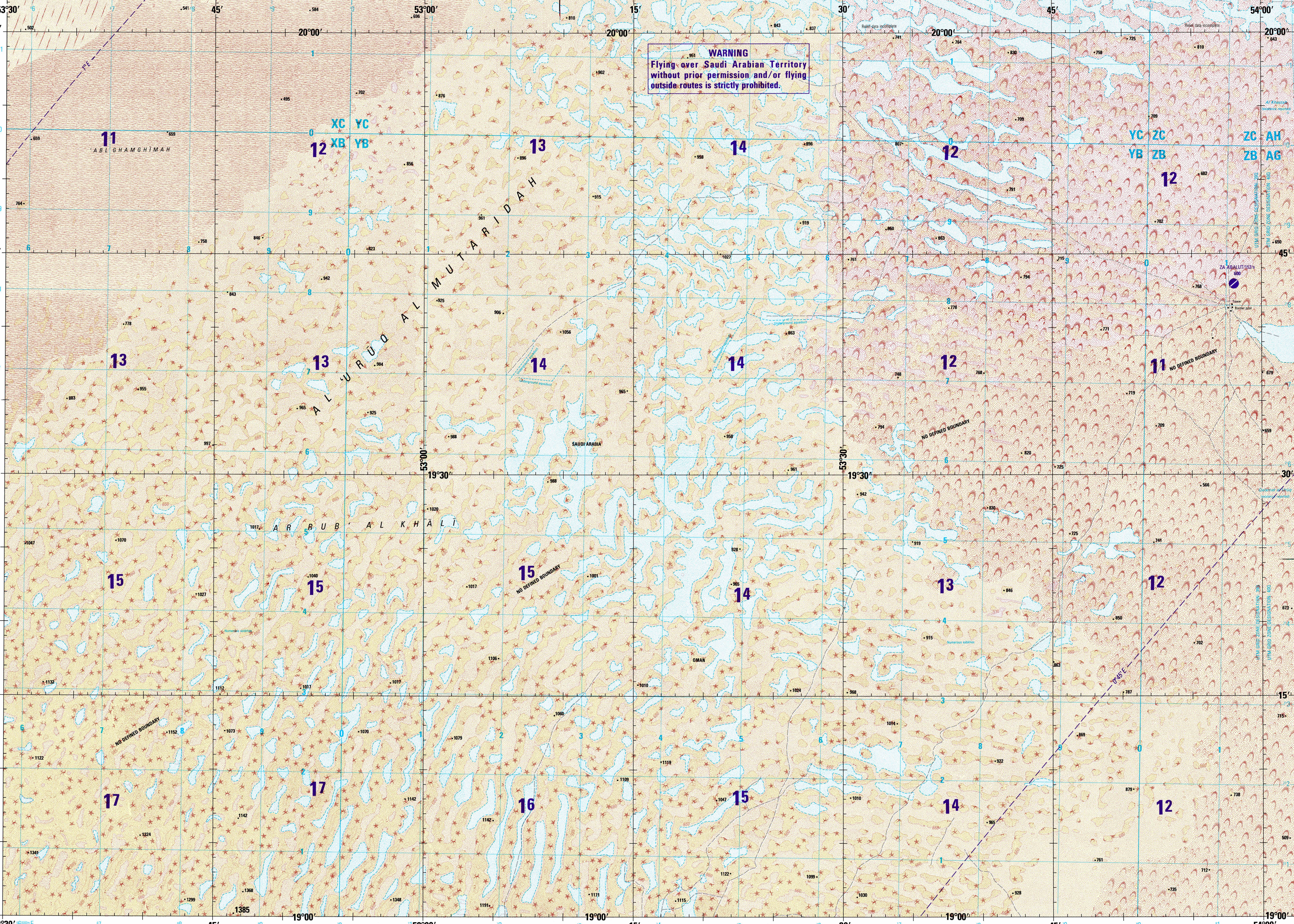
**CAUTION**  
AIR INFORMATION CURRENT THROUGH 1 JULY 1991  
Consult NOTAMS and Flight Information Publications for the latest air information; the DMA Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

**CAUTION**  
LINES OF EQUAL MAGNETIC VARIATION FOR 1990  
(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 quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).  
EXAMPLE: 12,500 feet

**LOCATION DIAGRAM**  
Boundary Representation is Not Necessarily Authoritative  
DMC INDEX SHOWN IN BLUE  
MAC INDEX SHOWN IN RED/BROWN

NF 29-10	NF 29-11	NF 29-12	NF 29-13	NF 29-14
NF 29-14	NF 29-15	NF 29-16	NF 29-17	NF 29-18
NE 29-2	NE 29-3	NE 29-4	NE 29-5	NE 29-6
NE 29-7	NE 29-8	NE 29-9	NE 29-10	NE 29-11
NE 29-12	NE 29-13	NE 29-14	NE 29-15	NE 29-16

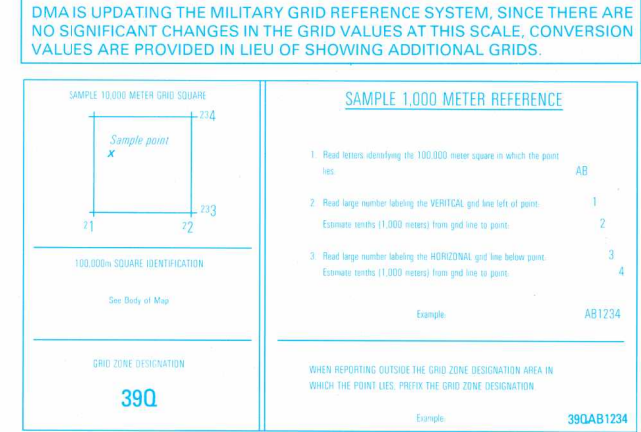


Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis, Missouri. Compiled MAY 1991

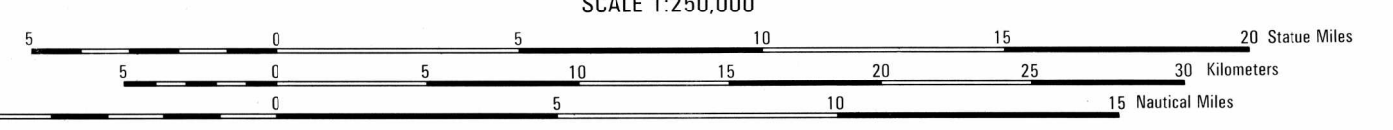


**CONVERSION OF ELEVATIONS**

FEET	METERS	FEET	METERS
1000	304.8	8000	2438.4
800	243.8	6000	1828.8
600	182.9	4000	1219.2
400	121.9	2000	609.6
200	60.9	1000	304.8
100	30.5	50	15.2



### JOINT OPERATIONS GRAPHIC (AIR)



CONTOUR INTERVAL APPROXIMATELY 300 FEET

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

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0882; COMMERCIAL 314-263-4884; DSN 883-4884; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: ES, MAIL STOP 4-68, 4800 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

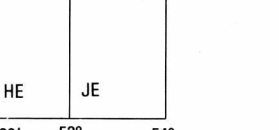
(UK Users) DIRECTORATE OF MILITARY SURVEY, MINISTRY OF DEFENCE, ELKHEDD AVENUE, FELTHAM, MIDDLESEX, ENGLAND TW13 7AE.

### ELEVATIONS IN FEET

1000	304.8
800	243.8
600	182.9
400	121.9
200	60.9
100	30.5

**GLOSSARY**  
Dotted ..... well  
Dashed ..... dunes

### GEOREF BASIC 15° QUADRANGLE RH



**ELEVATION TINTS**  
FEET  
600  
300  
50

### RELIABILITY OF THIS GRAPHIC

PLOTTING ACCURACY 90% ASSURANCE	AREA	
	AREA I	AREA II
Horizontal	±0.5	±0.5
Vertical	±0.5	±0.5

GRAPHIC FEATURE	SCALE OF ACCURACY	
	AREA I	AREA II
All other features	1:500	1:500

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°4' 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 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.  
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITY.

ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.  
Road classification should be referred to with caution.

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