SERIES 1501 AIR
SHEET NI 38-16
EDITION 4

SERIES 1501 COMPANION SHEET IS EDITION 2

POPULATED PLACES
Over 100,000 ..... TEHRĀN
50,000–100,000 ..... ESFAHĀN
10,000–50,000 ..... Mashad
2,000–10,000 ..... Sāveh
Less than 2,000 ..... Ḥasanābād

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 10

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

BOUNDARIES
International
First-order administrative division

OTHER FEATURES
Area name ..... RŪDAK
Mine or quarry
Landmark feature or object; Tank; Well
School; Mosque, shrine
Disappearing stream
Well; Spring or cistern
Underground aqueduct with shafts; Sebkha (Kavir)
Wadi; Intermittent lake
Marsh
Mound; Levee
Distorted surface
Sand, flat or rolling; Ripple dunes.
Dam

VEGETATION
Scattered trees
Orchard, Vineyard

TERRAIN ELEVATIONS
Spot elevation: normal; critical ..... .646 .840
HIGHEST KNOWN elevation is 7549 feet at the following coordinates:
Geographic ..... 33°01'N, 47°31'E
Grid 083557
=following elevation value indicates accuracy is not within 100 feet

AERODROMES (Military or Civil)
Runway pattern known EDNA/50/s 725
EDNA–Name
50–Length of longest runway to nearest hundreds of feet
s–Soft or unimproved surface
u–Unknown surface
725–Elevation
Runway pattern unknown
HELIPORT/HELIPAD
HELIPORT/HELIPAD AT HOSPITAL

RADIO FACILITIES
RADIO RANGE LF/MF ..... RNG HURN
MULTIPLE RADIO FACILITIES ..... NDB-RNG PARIS

CONTROLLED AIRSPACE
ADIZ ..... IRAN 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 ..... <150 ft, ≥150 ft
Power transmission line
Visual ground sign ..... M
Aero light; Marine light

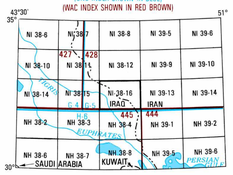
CAUTION
Vertical obstructions, including powerlines, have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

CAUTION
AIR INFORMATION CURRENT THROUGH
08 MARCH 1999
Consult NOTAMS and Flight Information Publications for the latest air information, the NIMA Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

MAGNETIC VARIATION FOR 1995 IS APPROXIMATELY
3° 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 feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).
EXAMPLE: 12,500 feet 12⁵

LOCATION DIAGRAM
(ONC INDEX SHOWN IN BLUE)
(WAC INDEX SHOWN IN RED BROWN)



SCALE 1:250,000
DEHLORĀN, IRAN; IRAQ

SERIES 1501 AIR
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CAUTION
FLIGHT OUTSIDE AIRWAYS AND CONTROL AREAS IS PROHIBITED WITHIN IRAQI TERRITORIES.

Prepared and published by the National Imagery and Mapping Agency.
Compiled January 1991. Revised July 1998.

ELEVATIONS IN FEET

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

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

CONTOUR INTERVAL APPROXIMATELY 330 FEET

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

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4884; DSN 693-4884; OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN.: ES, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

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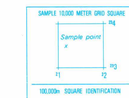
CONVERSION OF ELEVATIONS

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	30	1000	305

FOR REFERENCING, GRID AND GEOGRAPHIC VALUES MAY BE CONSIDERED AS EITHER EUROPEAN OR WGS DATUM SINCE POSITION PLOTTING DIFFERENCES ARE NOT SIGNIFICANT AT THIS SCALE.

SAMPLE 10,000 METER GRID SQUARE



100,000m SQUARE IDENTIFICATION
See Body of Map
GRID ZONE DESIGNATION
38S

SAMPLE 1,000 METER REFERENCE
1. Read letters identifying the 100,000 meter square in which the point lies: AB
2. Read large number labeling the VERTICAL grid line left of point: 1
Estimate tenths (1,000 meters) from grid line to point: 2
3. Read large number labeling the HORIZONTAL grid line below point: 3
Estimate tenths (1,000 meters) from grid line to point: 4
Example: AB1234
WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.
Example: 38SAB1234

GLOSSARY

Āb ..... stream
Bīr ..... well
Chāy ..... stream
Hawr ..... intermittent lake, marsh(es)
Jabal ..... hill
Jisr ..... bridge, ford
Kūh ..... hill(s), mountain(s)
Muḥāfaẓat ..... first-order administrative division
Nahr ..... stream
Ostān ..... first-order administrative division
Pāsgāh ..... police post
Rūdkhāneh ..... stream
Shaṭṭ ..... stream
Tall ..... hill
Tappeh ..... hill

ELEVATION TINTS

FEET
5905
2625
660
330
BSL

GEOREF BASIC 15° QUADRANGLE
RJ
33°
32°
BC CC
46°30' 47° 48°

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

1998
1996
1997

PLOTTING ACCURACY 90% ASSURANCE	
Horizontal	within 561 ft.
Contours	within 154 ft.
GRAPHIC FEATURE	DATE OF INFORMATION
All features	See diagram

Horizontal Datum: World Geodetic System 1984
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

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NOTES
Powerlines are shown except within populated place tints. Other obstructions are shown if they are 150 feet or more above ground level. See caution note.
On this graphic a lana is generally considered as being 8 feet (2.5 meters) in width.
Names for symbolized populated places are omitted where information is not available or where density of detail does not permit their inclusion.
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.
Road classification should be referred to with caution.
ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.
CAUTION: Power transmission lines indicated with the vertical obstruction symbol range from 2024 feet to 4767 feet in height above sea level or from (151) feet to (466) feet in height above ground level over the entire sheet.

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