

SERIES 1501 AIR SHEET NH 40-11 EDITION 3

POPULATED PLACES

Over 100,000
50,000 to 100,000
10,000 to 50,000
2,000 to 10,000
Less than 2,000

TEHRAN
Kerman
Khorramabad
Fariman
Bostanabad

ROADS

Dual highway
All weather, hard surface
More than two lanes wide
Two lanes wide
One lane wide

All weather, loose or light surface
More than two lanes wide
Two lanes wide
One lane wide
Fair or dry weather, loose surface
Cart track
Footpath, trail
Route marker

RAILROADS

Normal gauge, single track 1.44m (4'9 1/2")
Narrow gauge

OTHER FEATURES

Area name
Mine or quarry
Campsite, Ruins, Watermill
School, Church
Mosque, Muslim shrine
Small reservoir or cistern
Well, Spring
Underground aqueduct with shafts: Kafir
Wadi; Intermittent lake
Marsh or swamp; Mudpan
Mound; Levee
Distorted surface
Sand, flat or rolling; Sand dunes
Horizontal control point

TERRAIN ELEVATIONS

Spot elevation: Normal; Critical
HIGHEST KNOWN elevation is 14650 feet at the following coordinate
Geographic: 29°30'N, 57°16'E
Grid: ET 2065
Following elevation value indicates accuracy is not within 1% contour interval

VEGETATION

Woods

AERODROMES (Military or Civil)

Runway pattern known
EDNA - Name
50 - Length of longest runway to nearest hundreds of feet
S - Soft or unimproved surface
L - Unknown surface
725 - Elevation
Runway pattern unknown

HELIPORT / HELIPAD; AT HOSPITAL

RADIO FACILITIES

VOR, VORTAC
RADIO RANGE LF / MF
RNC, HURN, NDB RNC, PARIS
MULTIPLE RADIO FACILITIES

CONTROLLED AIRSPACE

ADIZ
IRAN ADIZ

VISUAL AIDS AND OBSTRUCTIONS

Obstruction
1100 - Elevation of obstruction top, above sea level
250 - Elevation of obstruction top, above ground level
Group obstruction

Radio facility obstruction
Power transmission line
Visual ground sign
Aero light; Marine light

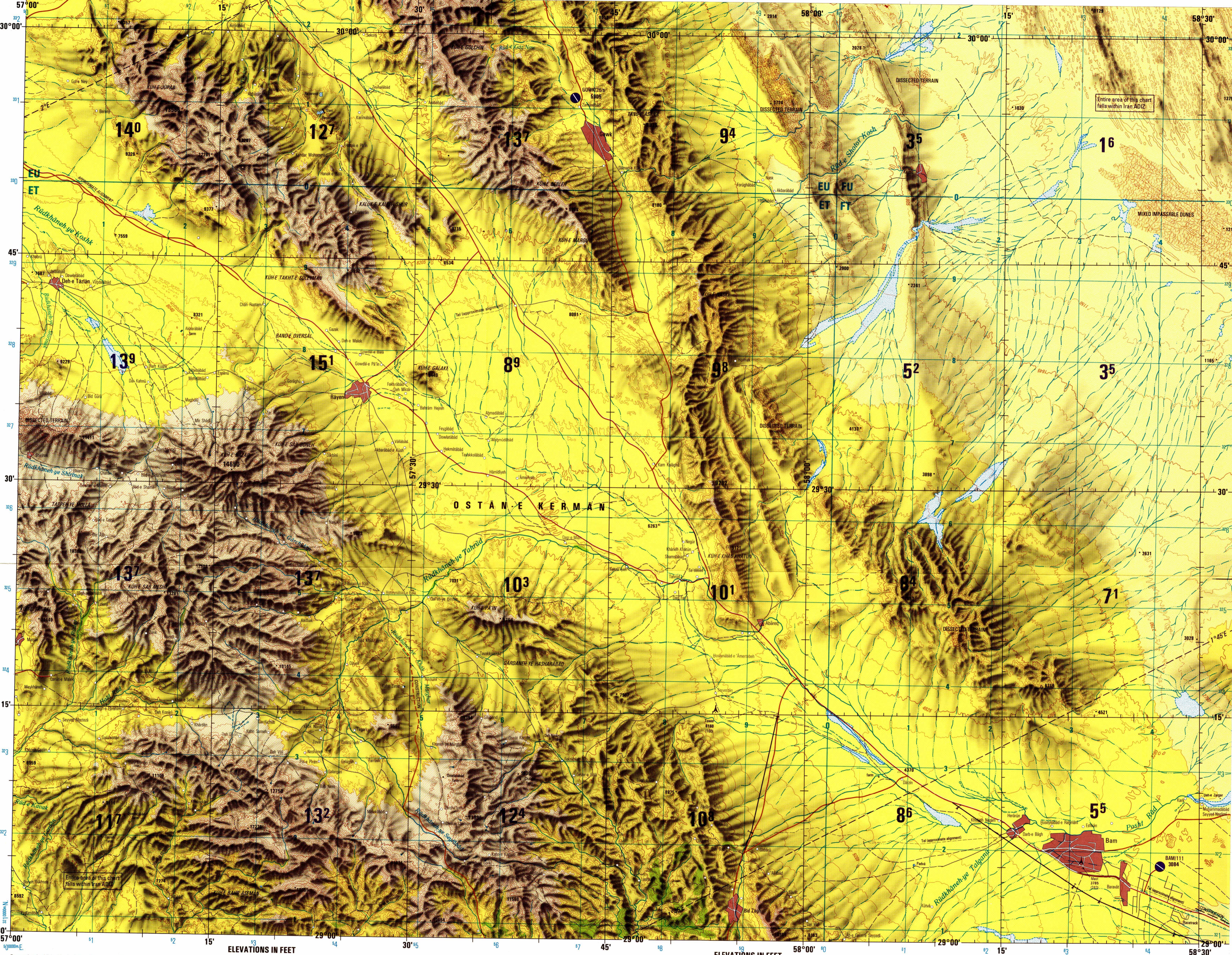
CAUTION
Vertical obstructions, including powerlines, have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

CAUTION
AIR INFORMATION CURRENT THROUGH 3 MAY 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.
LINES OF EQUAL MAGNETIC VARIATION FOR 1995 (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
GRID INDEX SHOWN IN BLUE
IRAC INDEX SHOWN IN RED/BROWN

NH 40-1	NH 40-2	NH 40-3	AFGHANISTAN	NH 41-7
NH 40-5	NH 40-6	NH 40-7	IRAN	NH 41-5
NH 40-9	NH 40-10	NH 40-11	AFGHANISTAN	NH 41-9
NH 40-13	NH 40-14	NH 40-15	IRAN	NH 41-13
548	NS 40-2	NS 40-3	AFGHANISTAN	NS 40-1



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JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000
0 5 10 15 20 25 30 Statute Miles
0 5 10 15 20 25 30 Kilometers
0 5 10 15 20 25 30 Nautical Miles

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

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 40, WORLD GEODETIC SYSTEM 1984 ELLIPSOID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, OR COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0899; COMMERCIAL 314-260-9802; 2234 NH-8002; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDD, MAIL STOP P-37, 4600 SANGAMORE ROAD, BETHESDA, MD 20818-3003. (FOR USERS) DIRECTORATE OF MILITARY SURVEY, MINISTRY OF DEFENCE, ELMWOOD AVENUE, FELTHAM, MIDDLESEX TW13 7AH.

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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	609
150	46	1500	457
100	31	1000	305

COORDINATE CONVERSION WGS 84 TO WGS 72
Grid: Subtract 15mE, Subtract 5mN
Geographic: Subtract 6" Long, Subtract 1" Lat.

COORDINATE CONVERSION WGS 84 TO ED 83
Grid: Subtract 29mE, Add 182mN
Geographic: Subtract 1.1" Long, Add 4.4" Lat.

THE DATUM AND ELLIPSOID FOR THIS AREA HAVE BEEN CHANGED FOR ADJACENT AND OVERLAPPING SHEETS. THERE ARE NO SIGNIFICANT CHANGES IN GRID OR GEOGRAPHIC VALUES AT THIS SCALE.

SAMPLE 1,000 METER GRID SQUARE

SAMPLE 1,000 METER REFERENCE

1. Read across identifying the 100,000 meter square in which the point lies.
2. Read large number labeling the VERTICAL grid line left of point.
3. Read large number labeling the HORIZONTAL grid line below point.

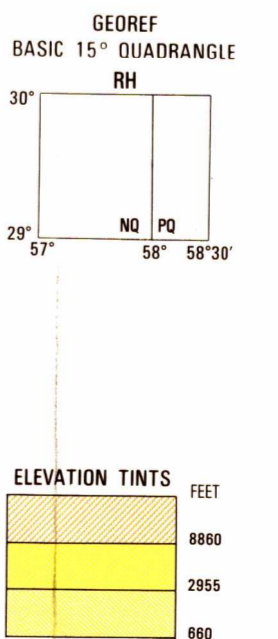
Example: AB1234

When reporting outside the grid zone designation area in which the point lies, prefix the grid zone designation.

Example: 40M81234

GLOSSARY

Band	ridge(s)
Gardaneh	pass
Kuh	mountain
Kuh	mountains
Chahin	first-order administrative division
Rud	stream
Rudkhaneh	stream
Tang	pass
Tappeh	hill



RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

1997	1998
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PLOTTING ACCURACY 90% ASSURANCE

Horizontal	within 410 ft.
Contours	within 195 ft.

GRAPHIC FEATURE DATE OR INFORMATION

ALL FEATURES See diagram

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

NOTES

Powerlines are shown except within populated place limits. Other obstructions are shown if they are 150 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.

Names for symbolized populated places are omitted where information is not available or where density of detail does not permit their inclusion.

Road classification should be referred to with caution.

SCALE 1:250,000
BAM, IRAN

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