SERIES	1501 AIR
SHEET	NI 41-2
EDITION	3

SERIES 1501 COMPANION SHEET IS EDITION

POPULATED PLACES

First importance ..... KĀBUL
Second importance ..... SHEBERGHĀN
Third importance ..... Khadir
Fourth importance ..... Sinay
Fifth importance ..... Sorkhak

ROADS

Dual highway ..... 4 LANES DUAL
All weather, hard surface ..... 3 LANES
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 59

RAILROADS

Normal gauge 1.52m (5') ..... Single track / Multiple track
Narrow gauge

BOUNDARIES

International
First-order administrative division

OTHER FEATURES

Landmark, Mosque; School; Mine
Nomad camp; Pen; Horizontal control point
Escarpment
Sand; Gravel; Mud pans
Dunes: Crescent; Lateral; Ripple; Mounds
Area name ..... MANTADA–I–SIKĀLĀK

VEGETATION

Scattered trees
Orchard; Vineyard

HYDROGRAPHY

Underground aqueduct with shafts
Reservoir; Spring; Well
Sabkha
Intermittent lake; Dry lake
Land subject to inundation; Swamp
Glacier; Glacial moraine
Dissipating Stream
Spot elevation: normal; critical 2789 4005
HIGHEST KNOWN elevation is 4649 feet at the following coordinates:
Geographic ..... 35°02'N, 61°30'E
Grid LU6318
±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 ..... 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
3 JUNE 1992

Consult NOTAMS and Flight Information Publications for the latest air information; the DOD Aeronautical Chart Updating Manual or MOD (U. K.) Aeronautical Chart Amendment document, for other chart revision information.

MAGNETIC VARIATION FOR 1990 IS APPROXIMATELY 3°E OVER THE ENTIRE AREA (Annual rate of change, no change)

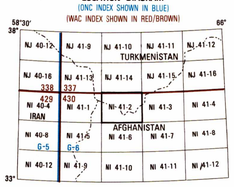
ATTENTION

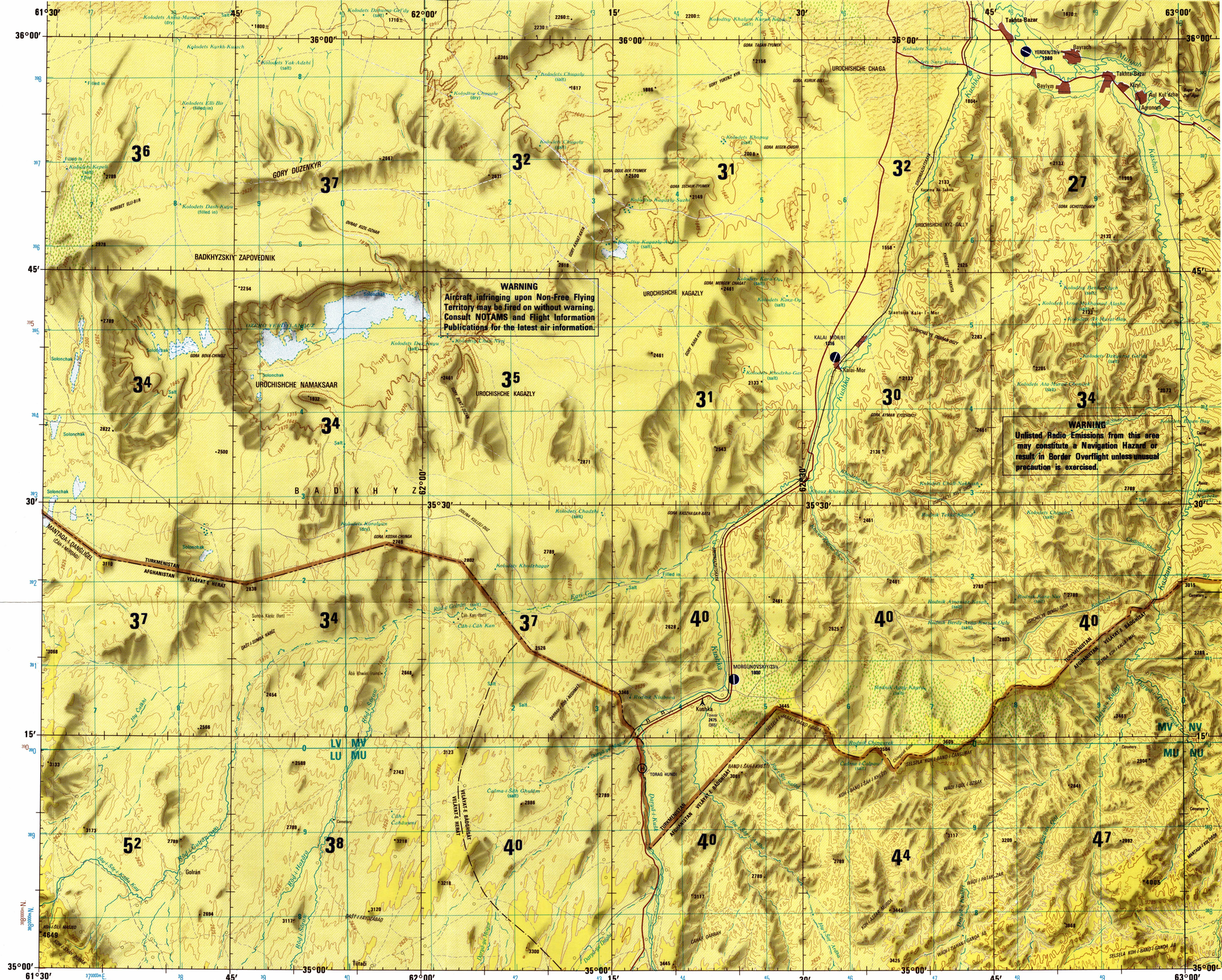
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)

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 quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).

EXAMPLE: 12,500 feet 12 5

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





ELEVATIONS IN FEET

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

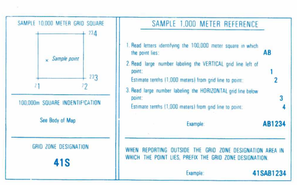
Prepared and published by the Defense Mapping Agency Hydrographic/Topographic Center, Bethesda, MD. Compiled 1981.

THE DATUM AND ELLIPSOID FOR THIS MAP HAVE CHANGED FROM PREVIOUS EDITIONS. FOR ADJACENT AND OVERLAPPING SHEETS, THERE ARE NO SIGNIFICANT CHANGES IN GRID OR GEOGRAPHIC VALUES AT THIS SCALE.

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

SAMPLE 10,000 METER GRID SQUARE



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: 41SAB1234

CONTOUR INTERVAL APPROXIMATELY 330 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 41, WORLD GEODETIC SYSTEM ELLIPSOID.

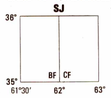
RED-BROWN NUMBERED TICKS INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 41, INTERNATIONAL ELLIPSOID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4864; DSN 693-4864; OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN.: ES, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

GLOSSARY

Ābād, ābād	village
Aul	village
Band	mountain range
Cāh	well
Cašma	spring
Darrah	valley
Darya	stream
Dašt, dašt	plain
Deh, deh	village
Dolina	valley
Gora	mountain
Gory	mountains
Jōy	stream
Kazarma	barracks
Kharaba	ruined
Khauz	pond
Khrebet	mountain range
Koh	mountain
Kolodets	well
Kolodtsy	wells
Kotal	pass, saddle
Kurgan	burial mound
Mantaqa	area, region
Ovrag	ravine
Ozero	lake
Rōd	stream
Rodnik	spring
Rud	stream
Selsela-i-jabal	mountain range
Selsela koh	mountain range
Solonchak	alkali flat, salt marsh
Stantsiya	station
Urochishche	tract, area
Ushchel'ye	gorge
Velāyat	first-order administrative division
Wādi	valley
Zapovednik	reservation
Ziyārat	shrine

GEOREF
BASIC 15° QUADRANGLE
SJ



RELIABILITY OF THIS GRAPHIC

Compiled from best available source materials.

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

ELEVATION TINTS

FEET
2955
660

9-92 Printed by the Defense Mapping Agency Hydrographic/Topographic Center
Reprinted by NGA 06-05

NOTES

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.

BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.

Names and boundaries of administrative divisions in Turkmenistan are not available.

On this graphic a lane is generally considered as being 8 feet (2.5 meters) in width.

Road classification should be referred to with caution. The reliability of vegetation information is undetermined.

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NGA Ref No. 1501ANI4102

ED. NO. 003

SCALE 1:250,000
KUSHKA, TURKMENISTAN; AFGHANISTAN

SERIES	1501 AIR
SHEET	NI 41-2
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SERIES 1501 COMPANION SHEET IS EDITION 2