SERIES 1501 AIR
SHEET NH 42-1
EDITION 4

POPULATED PLACES
- Over 100,000 ..... KABUL
- 50,000 to 100,000 ..... SHEBERGHĀN
- 10,000 to 50,000 ..... Khadīr
- 2,000 to 10,000 ..... Sīnay
- Less than 2,000 ..... Sorkhak

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 A01

RAILROADS
- Narrow gauge, single track 1.44m (4'8½"); Double track
- Narrow gauge

BOUNDARIES
- International
- First-order administrative

VEGETATION
- Orchard, plantation, vineyard
- Woods

OTHER FEATURES
- Area name ..... JALET
- School; Church; Mosque
- Landmark feature
- Tank; Well; Wall; Fence
- Ruins; Pass; Mine or quarry
- Horizontal control point
- Dunes: Ripple
- Levee

HYDROGRAPHY
- Underground aqueduct with shafts
- Dry lake
- Intermittent stream: Single: Double line
- Well: Perennial; Intermittent; Disappearing stream
- Spring, fountain; Cistern; Dam; Salt evaporator
- Wadi; Land subject to inundation
- Rice paddy; Marsh or swamp

TERRAIN ELEVATIONS
- Spot elevation, normal; critical *1086 *3634
- HIGHEST KNOWN elevation is ..... feet at the following coordinates:
- Geographic ..... 31°43'N, 67°03'E
- Grid UA1511

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

RADIO AIDS TO NAVIGATION
- VHF OMNI RANGE (VOR)
- VORTAC
- TACAN
- VOR with DME
- Other facilities

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

CONTROLLED AIRSPACE
- ADIZ ..... CONUS 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
7 OCTOBER 1998

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.

LINES OF EQUAL MAGNETIC VARIATION FOR 1995
(Annual rate of change-no change)

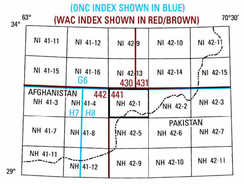
ATTENTION

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.).

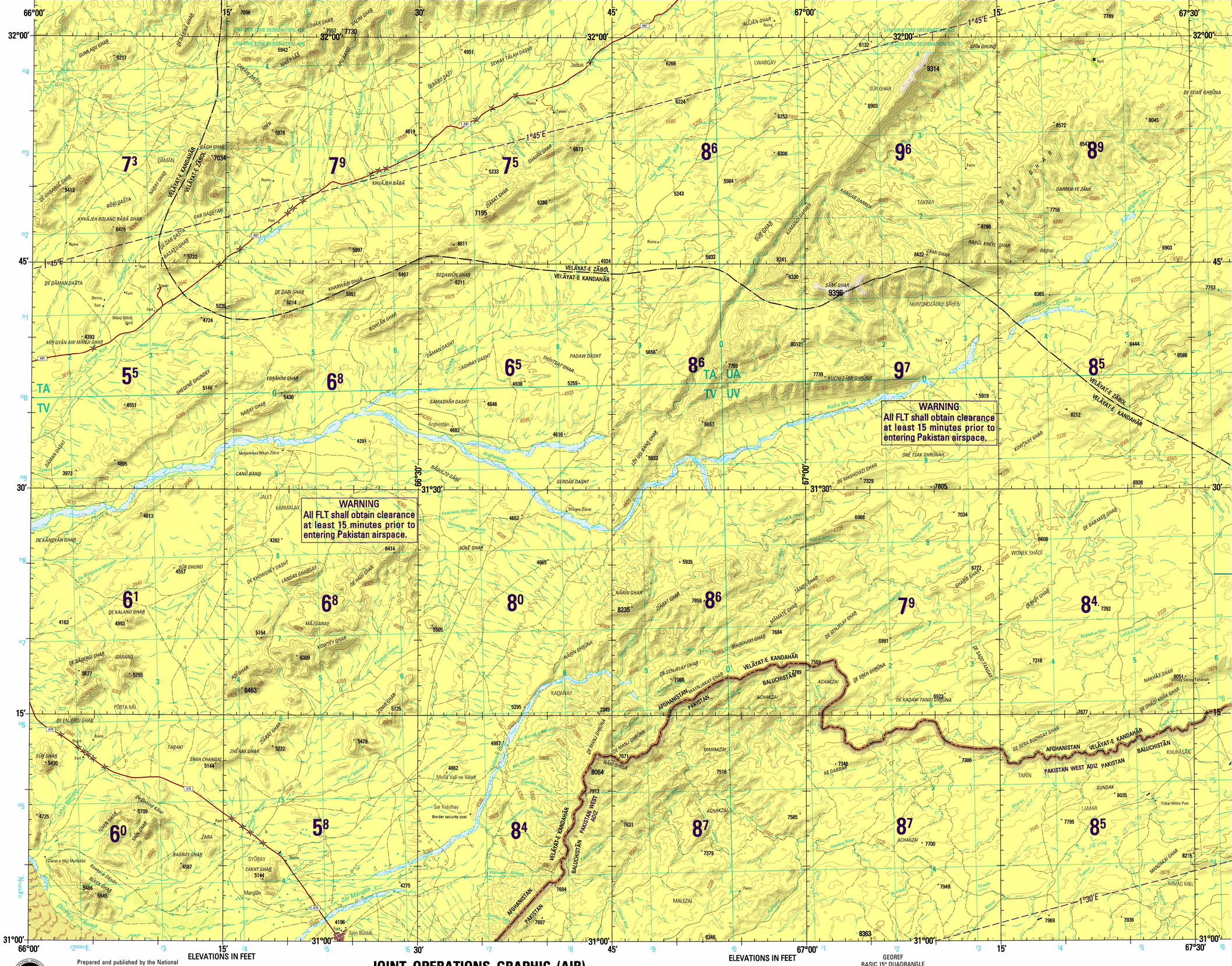
EXAMPLE: 12,500 feet ..... 12^{5}

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



SCALE 1:250,000
SPĪN BŪLDAK,
AFGHANISTAN; PAKISTAN

SERIES 1501 AIR
SHEET NH 42-1
EDITION 4



Prepared and published by the National Imagery and Mapping Agency. Compiled 1981. Revised November 1998.

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 42; 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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COORDINATE CONVERSIONS: WGS 84 TO HERAT NORTH
Grid: Subtract 231m E; Subtract 135m N.
Geographic: Subtract 8.3" Long; Subtract 6.2" Lat.

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	9145
200	61	2000	610
150	46	1500	457
100	31	1000	305

SAMPLE 10,000 METER GRID SQUARE
Sample point
314
21 22
233
100,000m SQUARE IDENTIFICATION
See Body of Map
GRID ZONE DESIGNATION
42R

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 lines to point: 2
3. Read large number labeling the HORIZONTAL grid line below point: 3
   Estimate tenths (1,000 meters) from grid lines to point: 4
Example: AB1234
WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.
Example: 42RAB1234

GLOSSARY

Band	mountain	Ghŭna	mountain
Bang	mountains	Ghŭna	mountains
Darreh	valley	Kowtal	pass
Dasht	plain(s)	Kārīz	underground irrigation canal(s)
Dašt	plain(s)	Kŭtal	pass
Daŝta	plain(s)	Māndah	stream
Daŝtah	plain(s)	Māndah	intermittent stream
Ghar	hill	Māndih	intermittent stream
Ghar	hills	Māndeh	stream
Ghar	mountain	Māndīh	intermittent stream
Ghar	mountains	Rowd	stream
Ghar	ridge(s)	Rŭd	stream
Ghaŝ	hill	Rŭd	intermittent stream
Ghaŝ	hills	Sīla	intermittent stream
Ghaŝ	mountain	Shēlah	intermittent stream
Ghaŝ	mountains	Shēlah	intermittent stream
Ghaŝ	ridge(s)	Tahānah	fort
Ghŭnah	mountain	Tangai	stream
Ghund	hill	Velāyat	first-order administrative division
Ghunj	hill	Zŭārat	shrine
Ghŭna	hills	Zyārat	shrine

GEOREF
BASIC 15° QUADRANGLE
SJ
32° 31° 66° GB 67° HB 67°30'

ELEVATION TINTS
FEET
8860
2955

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

1994

PLOTTING ACCURACY 90% ASSURANCE	
Horizontal _____	
Contours _____	
GRAPHIC FEATURE	DATE OF INFORMATION
Contours	1981
All other 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 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 AUTHORITATIVE.

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