

SERIES 1501 AIR SHEET NN 46-7 EDITION 2
SERIES 1501 COMPANION SHEET IS EDITION 1

- POPULATED PLACES**
- Over 100,000 **MOSKVA**
 - 50,000 to 100,000 **KUMERTAU**
 - 10,000 to 50,000 **Dkva**
 - 2,000 to 10,000 **Kvva**
 - Less than 2,000 **Kvsk**
- ROADS**
- Dual highway **4 LANES DUAL**
 - 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
 - Track; trail
 - Route marker
- RAILROADS**
- Normal gauge 5'11.52m
 - Narrow gauge
- BOUNDARIES**
- International
 - First-order administrative division
- OTHER FEATURES**
- Landmark
 - Horizontal control point
 - Levee; Burial mound
 - Mine
 - Dam or lock
- VEGETATION**
- Woods
- HYDROGRAPHY**
- Well; Perennial; Intermittent
 - Intermittent streams: Single; Double line
 - Disappearing stream: Swamp or marsh
 - Intermittent lake; Dry lake
- TERRAIN ELEVATIONS**
- Spot elevation: normal; critical
 - HIGHEST KNOWN elevation is **4118** feet at the following coordinates:
Geographic: 53°29'N, 90°02'30"E
Grid: G2429
- 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 FACILITIES**
- VOR (OMNI RANGE (VOR))
 - VORTAC
 - TACAN
 - VOR with DME
 - Other facilities
- 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
 - 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 location or height are exact.

CAUTION
AIR INFORMATION CURRENT THROUGH 10 DECEMBER 1998
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.

CAUTION
LINES OF EQUAL MAGNETIC VARIATION FOR 1995
(Annual rate of change 3" 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.).
125
EXAMPLE: 12,500 feet

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

54°00'	54°00'	54°00'	54°00'	54°00'	54°00'
53°00'	53°00'	53°00'	53°00'	53°00'	53°00'
52°00'	52°00'	52°00'	52°00'	52°00'	52°00'
51°00'	51°00'	51°00'	51°00'	51°00'	51°00'
90°00'	90°00'	90°00'	90°00'	90°00'	90°00'



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JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

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

CONTOUR INTERVAL APPROXIMATELY 165 FEET

COORDINATE CONVERSION WGS 84 TO WGS 72
Grid: Subtract 10m; Subtract 4m;
Geographic: Subtract 1° Long; Subtract 1° Lat.

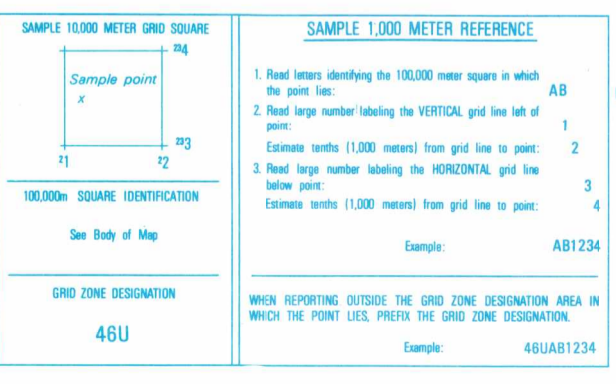
USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1 800 445-0089; COMNAVSTA 314 500 5022; OR 460 46022; OR WRITE TO: ATTN: CDD, MAIL STOP J-52, NATIONAL IMAGERY AND MAPPING AGENCY, 4600 SANGAMORE ROAD, BETHESDA, MD 20815-5003.

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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
100	46	1500	457
100	31	1000	305



CONTOUR INTERVAL APPROXIMATELY 165 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 46, WORLD GEODETIC SYSTEM 1984 ELLIPSOID.

GLOSSARY

- Canal
- Channel
- Contour
- Key
- Dam
- Pass
- Reservoir
- State
- Station
- Structure
- Unincorporated
- Village
- Zeliv

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

1995 1997

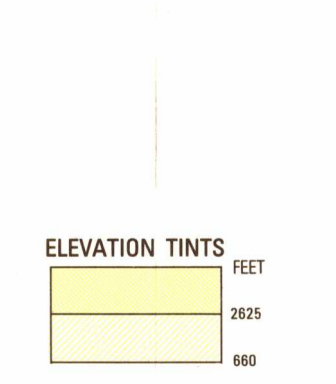
PLOTTING ACCURACY 90% ASSURANCE

Horizontal: within 425 ft.
Contours: within 100 ft.

GRAPHIC FEATURE DATE OF INFORMATION

All features: See diagram

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



NOTES

Powerlines are shown except within populated place tints.
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.
DEPICTION OF INTERNATIONAL BOUNDARY HAS CHANGED SINCE THE LAST EDITION.

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SCALE 1:250,000
ABAKAN, RUSSIA
SERIES 1501 AIR SHEET NN 46-7 EDITION 2
SERIES 1501 COMPANION SHEET IS EDITION 1