

SERIES 1501 AIR SHEET NO 45-12 EDITION 2

POPULATED PLACES

Over 100,000 IRKUTSK
 50,000 to 100,000 SHELEKHOV
 10,000 to 50,000 Slyudyanka
 2,000 to 10,000 Meget
 Less than 2,000 Tal'ma

ROADS

Dual highway 4 LANES DUAL
 All weather, hard surface
 More than two lanes wide 3 LANES
 Two lanes wide
 One lane wide
 All weather, loose or light surface
 More than two lanes wide 2 LANES
 Two lanes wide
 One lane wide
 Fair or dry weather, loose surface
 Cart track
 Footpath, trail

RAILROADS

Normal gauge, single track 5 feet (1.52m)
 Narrow gauge

BOUNDARIES

International
 First-order administrative division

OTHER FEATURES

Area name RUDAK
 Mine or quarry
 Landmark feature or object
 School, Mosque, shrine
 Disappearing stream
 Well, Spring or cistern
 Underground aqueduct with shafts, Kavar
 Wadi; Intermittent lake
 Swamp; Land subject to inundation
 Mound; Levee
 Distorted surface NONE
 Sand, silt or rolling; Sand dunes NONE
 Horizontal control point NONE

VEGETATION

Woods, Scattered trees NONE
 Orchard, Vineyard NONE

TERRAIN ELEVATIONS

Spot elevation normal; critical *338' 1108
 Highest known elevation is 1755 feet at the following coordinates:
 Geographic 56°03'N, 89°30'E
 Grid XC5614

AERODROMES (Military or Civil)

Runway pattern known EDNA/50's
 Runway pattern unknown 725

HELIPORT/HELIPAD

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RADIO FACILITIES

VHF OMNI RANGE (VOR)
 VORTAC
 TACAN
 VOR WITH DME
 Other facilities

CONTROLLED AIRSPACE

ADIZ CONUS ADIZ

VISUAL AIDS AND OBSTRUCTIONS

Obstruction 1108
 (259)
 (259)-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 5 AUGUST 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.

LINE OF EQUAL MAGNETIC VARIATION FOR 1995
 (Annual rate of change 3' increase.)

ATTENTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)

The Maximum Elevation Figure shown in quadrangles located 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 (towers, towers, antennas, etc.).

EXAMPLE: 12,000 feet **12⁵**

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

NO 45-4	NO 45-5	NO 45-6	NO 45-7	NO 45-8
NO 45-9	NO 45-10	NO 45-11	NO 45-12	NO 45-13
NO 45-14	NO 45-15	NO 45-16	NO 45-17	NO 45-18
NO 45-19	NO 45-20	NO 45-21	NO 45-22	NO 45-23

Prepared and published by the National Imagery and Mapping Agency, Completed November 1998. MAP INFORMATION AS OF 1998



CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1500	457	10000	2948
400	122	9000	2743
300	91	8000	2438
200	61	7000	2134
150	46	6000	1829
100	31	5000	1524
50	15	4000	1219
0	0	3000	914
		2000	610
		1500	457
		100	31

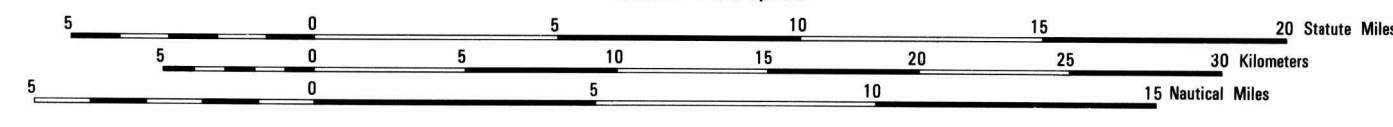
SCALE 1:250,000
BOGOTOL, RUSSIA

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JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000



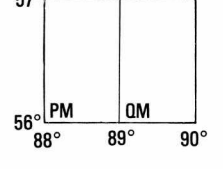
CONTOUR INTERVAL APPROXIMATELY 85 FEET

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

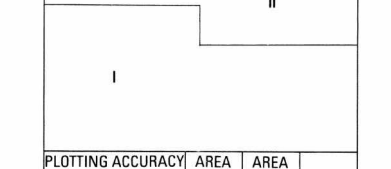
USERS SHOULD REFER TO THE NIMA CUSTOMER HELP DESK: 1-800-495-8888; COMMERCIAL 314-266-8822; OR BY E-MAIL: DIR.NIMA@NIMA.MIL; NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: COO, MAIL STOP P-37, 4800 SANGAMORE ROAD, BETHESDA, MD 20818-5003.

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GEOREF
 BASIC 15° QUADRANGLE



RELIABILITY OF THIS GRAPHIC
 (as determined by standard practices)



PLOTTING ACCURACY

90% ASSURANCE	AREA I	AREA II
Horizontal	425 ft.	425 ft.
Contours	75 ft.	85 ft.

DATE OF INFORMATION

GRAPHIC FEATURE	AREA I	AREA II
Contours	1988	1988
All other features	1997	1998

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

ELEVATION TINTS

FEET	TINT
660	
330	

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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.

A one lane road is from 8 to 18 feet (2.5 to less than 5.5 meters) wide. For roads two or more lanes wide a lane is considered to be from 9 to 13 feet (2.7 to 4.1 meters) wide.

BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE. Alignment of administrative boundaries is approximate. Depiction of boundaries has changed since the last edition.

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