

SERIES 1501 AIR SHEET NN 38-4 EDITION 1

SERIES 1501 COMPANION SHEET IS EDITION 2

POPULATED PLACES

Over 100,000 **MOSKVA**
 50,000-100,000 **KLIMOVSK**
 10,000-50,000 **Obukhevo**
 2,000-10,000 **Kubinka**
 Less than 2,000 **Dubny**

ROADS

Dual highway **4 LANE ROAD**
 All weather, hard surface
 More than two lanes wide **4 LANE**
 Two lanes wide
 One lane wide
 All weather, loose or light surface
 More than two lanes wide **3 LANE**
 Two lanes wide
 One lane wide
 Fair or dry weather, loose surface
 Cart track
 Footpath, trail
 Route marker

RAILROADS

Normal gauge 1.44m (4'8 1/2")
 Station position
 Narrow gauge

BOUNDARIES

First order administrative division

VEGETATION

Woods

OTHER FEATURES

Area name
 School, Church, Mosque
 Landmark, feature or object
 Tank, Well, Wall, Fence
 Hot, Kral, Pass, Mine or quarry
 Horizontal control point
 Dam carrying road, Dam

HYDROGRAPHY

Land subject to inundation; Swamp

TERRAIN ELEVATIONS

Spot elevation, Normal, Critical
 HIGHEST KNOWN elevation is **755** feet at the following coordinates:
 Geographic: 54°02'N, 43°44'E
 Grid: ME1889

AERODROMES (Military or Civil)

Runway pattern known
 EDNA-Name
 50-Length of longest runway to nearest hundreds of feet
 S-Soft or unimproved surface
 U-Unimproved 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
 MULTIPLE RADIO FACILITIES

CONTROLLED AIRSPACE

ADIZ
CONUS ADIZ

VISUAL AIDS AND OBSTRUCTIONS

Obstruction
 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 source available. However, there is no assurance that all are shown, or that their location or heights are exact.

CAUTION
AIR INFORMATION CURRENT THROUGH
 02 APRIL 1998
 Consult NOTAMS and Flight Information Publications for the latest air information; the DOD Aeronautical Chart Updating Manual or MDD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

CAUTION
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
125

LOCATION DIAGRAM
 (ONE INDEX SHOWN IN RED/BROWN)
 (WAC INDEX SHOWN IN RED/BROWN)

NO 37-11	NO 37-12	NO 38-10	NO 38-11	NO 38-12
187/186	187/186	154/155	154/155	155/156
NO 37-5	NO 37-6	NO 38-4	NO 38-5	NO 38-6
NO 37-8	NO 37-9	RUSSIA	NO 38-8	NO 38-9
NO 37-11	NO 37-12	NO 38-10	NO 38-11	NO 38-12
187/186	187/186	154/155	154/155	155/156

The representation of boundaries is not necessarily authoritative.

SCALE 1:250,000
KOVYLLKINO, RUSSIA

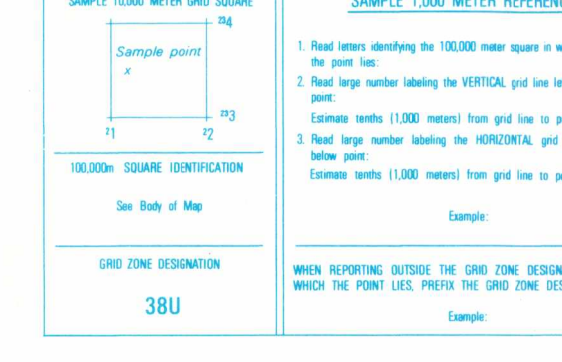
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CONVERSION OF ELEVATIONS

METERS	FEET	METERS	FEET
1000	3281	10000	32808
900	2953	9000	29528
800	2625	8000	26247
700	2297	7000	22966
600	1969	6000	19685
500	1641	5000	16404
400	1313	4000	13123
300	984	3000	9842
200	656	2000	6562
100	328	1000	3281

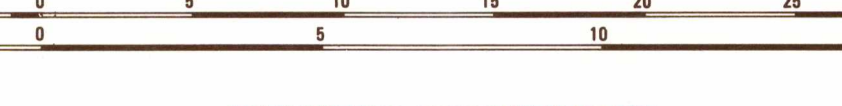
Prepared and published by the National Imagery and Mapping Agency, Compiled July 1997.
 SAMP INFORMATION AS OF 3/96

COORDINATE CONVERSION FROM WGS 84 TO WGS 72
 Grid: Subtract 0.1m; Subtract 4m;
 Geographic: Subtract 0.7° Long; Subtract 0.1° Lat.
COORDINATE CONVERSION FROM WGS 84 TO ED 50
 Grid: Add 7m; Add 181m;
 Geographic: Add 0.7° Long; Add 1.8° Lat.



JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000



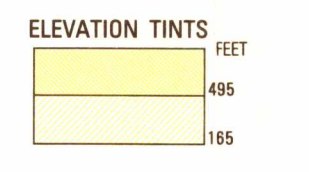
BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 34, WORLD GEODETIC SYSTEM 1984 (WGS84)

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK, 1-800-450-0800; COMMERCIAL 1-314-260-1236; DSN 450-1236; OR WRITE TO: ATTN: CDD, MAP STAFF-33, NATIONAL IMAGERY AND MAPPING AGENCY, 4600 SANGHARE ROAD, BETHESDA, MD 20815-5002.

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GLOSSARY

Dashed: first order administrative division
 Red: second order administrative division
 Blue: railroad siding
 Red: first order administrative division
 Blue: railroad siding
 Green: nature refuge



RELIABILITY OF THIS GRAPHIC
 (as determined by standard practices)

1995	1994
1996	

PLOTTING ACCURACY 90% ASSURANCE

Horizontal: Contour within 800 ft; Contour within 95 ft.

GRAPHIC FEATURE DATE OF INFORMATION

All other 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 limits. 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.

THE REPRESENTATION OF BOUNDARIES IS NOT NECESSARILY AUTHORITY.

Road classification should be referred to with caution.

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

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