

SERIES 1501 AIR
SHEET NO 39-12
EDITION 1

- POPULATED PLACES**
- Over 100,000 **MOSKVA**
 - 50,000 to 100,000 **KIMOVSK**
 - 10,000 to 50,000 **Obukhevo**
 - 2,000 to 10,000 **Kubinka**
 - Less than 2,000 **Dubsty**
- ROADS**
- Dual highway **4 LANES DGM**
 - All weather, hard surface **4 LANES**
 - More than two lanes wide
 - Two lanes wide
 - One lane wide
 - All weather, loose or light surface **3 LANES**
 - More than two lanes wide
 - Two lanes wide
 - One lane wide
 - Fair or dry weather, loose surface
 - Cart tracks
 - Footpath, trail
 - Route marker **30**
- RAILROADS**
- Normal gauge, single track 5' (1.52m)
 - Station position **known unknown**
 - Narrow gauge: Single track, Double track
- BOUNDARIES**
- International
 - First-order administrative division
- VEGETATION**
- Woods; Scattered trees
 - Orchard, vineyard **None**
- OTHER FEATURES**
- Area name **RIDGE**
 - School; Church; Landmark feature **1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26** **27** **28** **29** **30** **31** **32** **33** **34** **35** **36** **37** **38** **39** **40** **41** **42** **43** **44** **45** **46** **47** **48** **49** **50** **51** **52** **53** **54** **55** **56** **57** **58** **59** **60** **61** **62** **63** **64** **65** **66** **67** **68** **69** **70** **71** **72** **73** **74** **75** **76** **77** **78** **79** **80** **81** **82** **83** **84** **85** **86** **87** **88** **89** **90** **91** **92** **93** **94** **95** **96** **97** **98** **99** **100**
 - Cemetery; Mosque; Muslim shrine
 - Ruins; Watermill; Mine or quarry
 - Tank; Well; Fence
 - Horizontal control point
- HYDROGRAPHY**
- Spring, cistern; Dam
 - Well; Perennial; Intermittent
 - Small reservoir; Disappearing stream
 - Intermittent lake; Dry lake
 - Intermittent streams: Single; Double line
 - Underground aqueduct with shafts
 - Marsh or swamp; Land subject to inundation
- TERRAIN ELEVATIONS**
- Spot elevations normal; critical **648 840**
 - HIGHEST KNOWN elevation is **951** feet at the following coordinates: Geographic **56°37' N, 52°20' E** Grid **13 11**
 - The accuracy of all spot elevations shown on the graphic is not within 100 feet.
- AERODROMES (Military or Civil)**
- Runway pattern known **EDNA/50's**
 - EDNA-Name **725**
 - 50-Length of longest runway to nearest hundreds of feet
 - Soft or unimproved surface
 - Unknown surface
 - 725-Elevation
 - Runway pattern unknown
- HELIPORT/HELIPAD**
- RADIO FACILITIES**
- RADIO RANGE LF/MF **RNG HURN**
 - MULTIPLE RADIO FACILITIES **NDB-RNG-PARIS**
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction **1108** - Elevation of obstruction top, above sea level. **2593** - Elevation of obstruction top, above ground level.
 - Group obstruction
 - Radio facility obstruction **<150 FT ≥150 FT**
 - Power transmission line **<150 FT ≥150 FT**
 - Aero light; Marine light
- RADIO AIDS TO NAVIGATION**
- VHF OMNI RANGE (VOR)
 - VORTAC
 - TACAN
 - VOR with DME
 - Other facilities
 - ADIZ **CONUS ADIZ**

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 14 OCTOBER 1999
Consult NOTAMS and Flight Information Publications for the latest air information, the NIMA Aeronautical Chart Updating Manual or MOD (UK) Aeronautical Chart Amendment document, for other chart revision information.

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 (towers, towers antennas, etc.).
125

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

NO 39-4	NO 39-5	NO 39-6	NO 39-7	NO 39-8	NO 39-9	NO 39-10	NO 39-11	NO 39-12	NO 40-1	NO 40-2	NO 40-3	NO 40-4	NO 40-5
NO 39-4	NO 39-5	NO 39-6	NO 39-7	NO 39-8	NO 39-9	NO 39-10	NO 39-11	NO 39-12	NO 40-1	NO 40-2	NO 40-3	NO 40-4	NO 40-5

Prepared and published by the National Imagery and Mapping Agency.
Compiled in December 1998.



CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
100	30.5	10000	3048
200	61	20000	6096
300	91	30000	9144
400	122	40000	12192
500	152	50000	15240
600	183	60000	18288
700	213	70000	21336
800	244	80000	24384
900	274	90000	27432
1000	305	100000	30480

SCALE 1:250,000
IZHEVSK, RUSSIA

SERIES 1501 AIR
SHEET NO 39-12
EDITION 1

SAMPLE 1000 METER GRID SQUARE

SAMPLE 1,000 METER REFERENCE

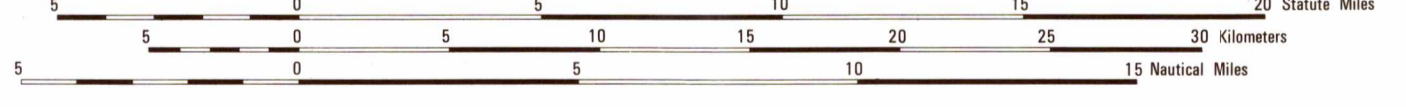
1. Read feature identifying the 100,000 meter square in which the point lies.
2. Read large number indicating the YERODIG grid line to the right.
3. Read large number indicating the XERODIG grid line to the left.
4. Read small number indicating the 1000 meter square within the 100,000 meter square.

Example: 39VAB1234

ELEVATIONS IN FEET

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000



CONTOUR INTERVAL APPROXIMATELY 165 FEET

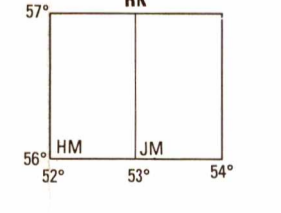
BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 39, WORLD GEODETIC SYSTEM ELLIPSOID

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-85-8888, COMMERCIAL: 1-314-386-5022, OR WRITE TO: ATTN: COO, MAIL STOP P-37, NATIONAL IMAGERY AND MAPPING AGENCY, 4600 SANGAMORE ROAD, BETHESDA, MD 20815-5002.

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ELEVATIONS IN FEET

GEOREF
BASIC 15° QUADRANGLE



RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

1999	1996
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PLOTTING ACCURACY 90% ASSURANCE

Horizontal: within 600 ft.
Contours: within 110 ft.

GRAPHIC FEATURE DATE OF INFORMATION

All features: See diagram

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

NOTES
Powerlines are shown except within populated place tints. Other obstructions are shown if they are 150 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.
Road classification should be referred to with caution.
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITY.
ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.

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NIMA REF. NO. 1501ANO3912

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