

SERIES 1501 AIR SHEET NO 37-10 EDITION 2

SERIES 1501 COMPANION SHEET IS EDITION 2

- POPULATED PLACES**
- Over 100,000 ..... MOSKVA
  - 50,000 to 100,000 ..... KLIMOVSK
  - 10,000 to 50,000 ..... Obukhovo
  - 2,000 to 10,000 ..... Kubinka
  - Less than 2,000 ..... Dubtsy
- 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 ..... 3 LANES
  - 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' (1.52m) ..... Single track
  - Narrow gauge ..... Multiple track
  - Station position: Known, Unknown
- BOUNDARIES**
- International
  - First-order administrative division
  - Second-order administrative division
  - Reservation
- OTHER FEATURES**
- Landmark
  - Horizontal control point
  - Bridge, Tank
  - Mine
  - Dam or lock, Sand
  - Dunes: Crescent, Lateral, Ripple
- VEGETATION**
- Woods
  - Orchard or vineyard
- HYDROGRAPHY**
- Well: Perennial, Intermittent
  - Intermittent streams: Single, Double line
  - Ditches: Swamp or marsh
  - Intermittent lake, Dry lake
- TERRAIN ELEVATIONS**
- Spot elevation: normal, critical ..... 946 1108
  - HIGHEST KNOWN elevation is **994** feet at the following coordinates:
  - Geographic ..... 56°29'N, 38°10'E
  - Grid ..... DC4160

- 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-Unknown surface
  - 725-Elevation
  - Runway pattern unknown
- HELIPORT**
- RADIO FACILITIES**
- VOR, VORTAC
  - TACAN, VOR/DME
  - RADIO RANGE LF/MF
  - MULTIPLE RADIO FACILITIES
- CONTROLLED AIRSPACE**
- 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 sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

**CAUTION**  
**AIR INFORMATION CURRENT THROUGH 12 JANUARY 2000**  
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.

**ATTENTION**  
**THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)**  
The Maximum Elevation Figures shown in quadrangles are based on the highest known elevation of terrain and obstructions (trees, towers, antennas, etc.).  
EXAMPLE: 12,500 feet ..... **125**

**LOCATION DIAGRAM**  
CIRC INDEX SHOWN IN BLUE  
(CIRC INDEX SHOWN IN RED/BROWN)

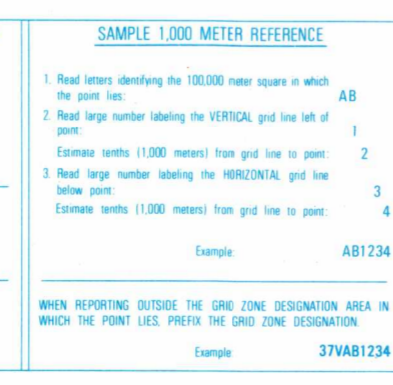
NO 36-5	NO 36-6	NO 36-7	NO 36-8
NO 36-9	NO 36-10	NO 36-11	NO 36-12
NO 36-13	NO 36-14	NO 36-15	NO 36-16
NO 36-17	NO 36-18	NO 36-19	NO 36-20

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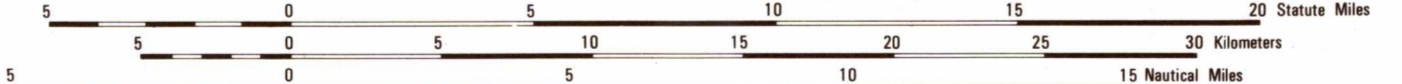
**CONVERSION OF ELEVATIONS**

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
150	46	1500	457
100	31	1000	305



**JOINT OPERATIONS GRAPHIC (AIR)**

SCALE 1:250,000



CONTOUR INTERVAL APPROXIMATELY 70 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 37, WORLD GEODETIC SYSTEM ELLIPSOID.

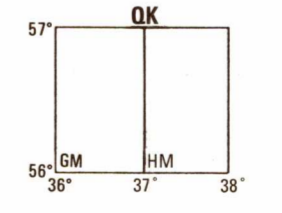
USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0899, COMMERCIAL 1-314-260-5032, DSN 490-5032, OR WRITE TO: ATTN: COG, MAIL STOP P-37, NATIONAL IMAGERY AND MAPPING AGENCY, 4600 SANGAMER ROAD, BETHESDA, MD 20818-5003.

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- GLOSSARY**
- Boloto ..... swamp
  - Gorod ..... first-order administrative division
  - Gradya ..... ridge
  - Kanal ..... canal
  - Kanava ..... ditch
  - Nona ..... lowland
  - Obraz ..... first-order administrative division
  - Ostrov ..... island
  - Plaza ..... square
  - Prilozh ..... pasture
  - Ruchey ..... stream
  - Sankhal ..... farm
  - Santson ..... station
  - Vodokhranitelnyye ..... reservoir
  - Zapovednik ..... reserve

GEOREF BASIC 15° QUADRANGLE



**RELIABILITY OF THIS GRAPHIC**  
(as determined by standard practices)

1996	1997	1998
1999		

PLOTTING ACCURACY 90% ASSURANCE

Horizontal ..... within 433 ft  
Contours ..... within 48 ft  
GRAPHIC FEATURE DATE OF INFORMATION  
All other features ..... See description  
Horizontal Datum: World Geodetic System  
Vertical Datum: Mean Sea Level  
Transverse Mercator Projection

**NOTES**  
Place names 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 road two or more lanes wide a lane is considered to be from 8 to 13 feet (2.7 to 4.1 meters) wide.  
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITY.  
ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.  
CAUTION: POWER TRANSMISSION LINES INDICATED WITH THE VERTICAL OBSTRUCTION SYMBOL RANGE FROM 50 TO 100 FEET IN HEIGHT ABOVE SEA LEVEL OR 150 TO 630 FEET IN HEIGHT ABOVE GROUND LEVEL OVER THE ENTIRE SHEET.

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