

SERIES 1501 AIR SHEET NO 46-11 EDITION 1

- POPULATED PLACES**
- Over 100,000 ..... **KRASNOYARSK**
  - 50,000 to 100,000 ..... **DODDNOVO**
  - 10,000 to 50,000 ..... Barazovka
  - 2,000 to 10,000 ..... Sukhobuzimskoye
  - Less than 2,000 ..... Minito
- ROADS**
- Dual highway ..... **4 LANES DUAL**
  - All weather, hard surface ..... **4 LANES**
  - More than two lanes wide ..... **4 LANES**
  - Two lanes wide ..... **4 LANES**
  - One lane wide ..... **4 LANES**
  - All weather, loose or light surface ..... **3 LANES**
  - More than two lanes wide ..... **3 LANES**
  - Two lanes wide ..... **3 LANES**
  - One lane wide ..... **3 LANES**
  - Fair or dry weather, loose surface ..... **3 LANES**
  - Cart track ..... **3 LANES**
  - Footpath, trail ..... **3 LANES**
  - Route marker ..... **3 LANES**
- RAILROADS**
- Normal gauge, single track 1.52m (5'); Double track ..... **3 LANES**
  - Normal gauge ..... **3 LANES**
- BOUNDARIES**
- International ..... **3 LANES**
  - First order administrative ..... **3 LANES**
- OTHER FEATURES**
- Area name ..... RUAN
  - Mine or quarry, Tank ..... **3 LANES**
  - Campsite, Room, Watermill ..... **3 LANES**
  - School, Church, Landmark ..... **3 LANES**
  - Mosque, Muslim shrine ..... **3 LANES**
  - Small reservoir or cistern ..... **3 LANES**
  - Well, Personal, Intermittent Spring ..... **3 LANES**
  - Underground aqueduct with shafts ..... **3 LANES**
  - Sakha or Dry lake, Intermittent lake ..... **3 LANES**
  - Single line intermittent stream; Wadi ..... **3 LANES**
  - Marsh or swamp; Land subject to inundation ..... **3 LANES**
  - Mound, Level ..... **3 LANES**
  - Mudflat, Distorted surface ..... **3 LANES**
  - Sand, flat or rolling; Sand dunes ..... **3 LANES**
  - Horizontal control point ..... **3 LANES**
- VEGETATION**
- Woods, brushwood, Scattered trees ..... **3 LANES**
  - Decid. vineyard, Scrub ..... **3 LANES**
- TERRAIN ELEVATIONS**
- Spot elevation, normal; critical ..... **3 LANES**
  - HIGHEST KNOWN elevation is **2546** feet at the following coordinates: Geographic: 56°02'N, 92°23'E Grid: DH 6211

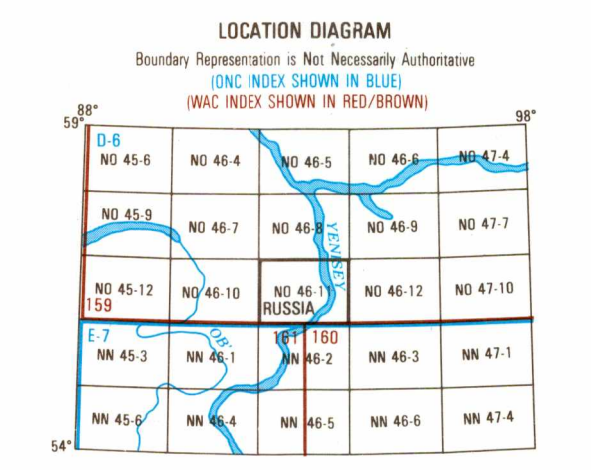
- AERODROMES (Military or Civil)**
- Runway pattern known ..... **3 LANES**
  - EDNA-Name ..... **3 LANES**
  - 50'-Length of longest runway to nearest hundreds of feet ..... **3 LANES**
  - Surface or unpaved surface ..... **3 LANES**
  - Unknown surface ..... **3 LANES**
  - Elevation ..... **3 LANES**
  - Runway pattern unknown ..... **3 LANES**
- HELIPORT/HELIPAD**
- Radio aids to navigation ..... **3 LANES**
- RADIO AIDS TO NAVIGATION**
- VHF (DMM) RANGE (VOR) ..... **3 LANES**
  - VORTAC ..... **3 LANES**
  - TACAN ..... **3 LANES**
  - VOR with DME ..... **3 LANES**
  - Other facilities ..... **3 LANES**
- RADIO FACILITIES**
- RADIO RANGE LF/MF ..... **3 LANES**
  - MULTIPLE RADIO FACILITIES ..... **3 LANES**
- CONTROLLED AIRSPACE**
- ADIZ ..... **3 LANES**
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction ..... **3 LANES**
  - 1108-Elevation of obstruction top, above sea level (259)-Elevation of obstruction top, above ground level ..... **3 LANES**
  - Group obstruction ..... **3 LANES**
  - Radio facility obstruction ..... **3 LANES**
  - Power transmission line ..... **3 LANES**

**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 locations or heights are exact.

**CAUTION**  
**AIR INFORMATION CURRENT THROUGH**  
2 April 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.

**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.).  
**EXAMPLE: 12,500 feet**

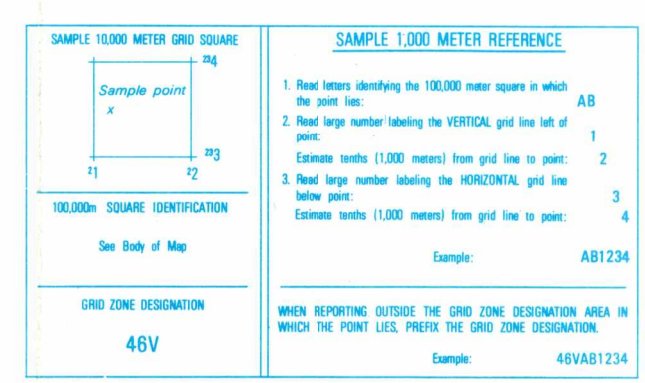


**SCALE 1:250,000**  
**KRASNOYARSK NORTH, RUSSIA**  
SERIES 1501 AIR SHEET NO 46-11 EDITION 1  
SERIES 1501 COMPANION SHEET IS EDITION 2

Prepared and published by the National Imagery and Mapping Agency  
Compiled August 1997  
MAP INFORMATION AS OF 1996  
© COPYRIGHT 1998 BY THE UNITED STATES GOVERNMENT  
NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.

**CONVERSION OF ELEVATIONS**

FEET	METERS
1000	305
200	61
100	30
50	15
0	0
50	15
100	30
200	61
300	91
400	122
500	152
600	183
700	214
800	244
900	274
1000	305



**JOINT OPERATIONS GRAPHIC (AIR)**

SCALE 1:250,000  
0 5 10 15 20 25 30 Statute Miles  
0 5 10 15 20 25 30 Kilometers  
0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 165 FEET

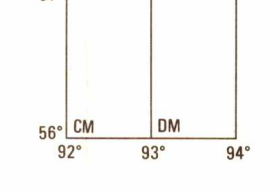
BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 46, WORLD GEODETIC SYSTEM 1984 DATUM AND ELLIPSOID

COORDINATE CONVERSION FROM WGS 84 DATUM, WGS 84 ELLIPSOID TO WGS 72 DATUM, WGS 72 ELLIPSOID:  
Grid: Subtract 5m, Subtract 4m  
Geographic: Subtract 0" Longitude, Subtract 1" Latitude

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK:  
1-800-456-0888; COMMERCIAL 1-314-260-1236; CGN 480-1236; OR WRITE TO: ATTN: COO, MAIL STOP 37, NATIONAL IMAGERY AND MAPPING AGENCY, 4600 SANGAMON ROAD, BETHESDA, MD 20818-0003

**GLOSSARY**  
--- first-order administrative boundary  
--- railway station

**GEOREF**  
BASIC 15° QUADRANGLE  
UK



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

PLOTING ACCURACY	AREA		
	II	III	IV
Horizontal	within 425 ft (129 m)	within 85 ft (26 m)	within 85 ft (26 m)
Vertical	within 425 ft (129 m)	within 85 ft (26 m)	within 85 ft (26 m)
GRAPHIC FEATURE	AREA I	AREA II	AREA III
DATE OF INFORMATION	1997	1997	1997
DATE OF PUBLICATION	1998	1998	1998
Horizontal Datum	World Geodetic System 1984		
Vertical Datum	Mean Sea Level		
Projection	Transverse Mercator Projection		

**ELEVATION TINTS**

FEET	TINT
660	[Tint]
330	[Tint]

**NOTES**  
Reprinted by NIMA 7-98  
Powerlines are shown except within populated place tints.  
Other obstructions are shown, if they are 200 feet or more above ground level. See caution note.  
On this graphic, a line is generally considered as being 8 feet (2.5 meters) in width.  
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE  
ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.  
Road classification should be referred to with caution.

NSN 7641014556802  
NIMA REF. NO. 1501ANO4611  
ED. NO. 001

