SERIES	1501 AIR
SHEET	NL 37-10
EDITION	4

SERIES 1501 COMPANION SHEET IS EDITION 2

POPULATED PLACES-MESKÛN YERLER

- Over 100,000 Nüfusu 100,000 den yukarı — MOSKVA
- 50,000 to 100,000 — CHEREMKOVO
- 10,000 to 50,000 — Okha
- 2,000 to 10,000 — Koropets

ROADS-YOLLAR

- Dual highway (İki taraflı şose) — 4 LANES DUAL / 4 İKİZ ŞERİTLİ
- All weather, hard surface (Daimî sert satıhlı)
  - More than two lanes wide (İki den daha fazla şeritli) — 3 LANES / 3 ŞERİTLİ
  - Two lanes wide (İki şeritli)
  - One lane wide (Tek şeritli)
- All weather, loose or light surface (Daimî, çevçek satıhlı)
  - More than two lanes wide (İki den daha fazla şeritli) — 3 LANES / 3 ŞERİTLİ
  - Two lanes wide (İki şeritli)
  - One lane wide (Tek şeritli)
- Fair or dry weather, loose surface (Kuru mevsimde müsait, çevçek satıhlı)
- Track or Trail (Arba veya yaya yolu, patika)
- Route marker (Yol numarası) — 50

RAILROADS-DEMIRYOLLAR — Single track (Tek hatlı) / Multiple track (Muhtelif hatlı)

- Normal gauge 1.52m (5') Normal hat
- Narrow gauge Dar hat

BOUNDARIES-HUDUTLAR

- International Devlet hudoğu
- First-order administrative division (Birinci-sınıf idare taksimatı)
- Second-order administrative division (İkinci-sınıf idare taksimatı)
- Reservation (Muayyen bir maksat için ayırılmış arazi)

OTHER FEATURES-DIGER IŞARETLER

- Landmark (Bâriz işaretler)
- Horizontal control point (Ufki kontrol noktası)
- Levee; Burial mound (Set; Defnetme höyükü)
- Dam or lock; Sand (Baraj veya kum; Seddi)
- Dunes: Crescent; Lateral; Ripple (Kum tepeler: Tezayüteden; Canbî; Dalgaçık)

VEGETATION-BITKILENME

- Woods (Orman)
- Orchard or vineyard (Bahçe veya bağ)

HYDROGRAPHY-IDROGRAFI

- Well: Perennial; Intermittent (Kuyu: Sürekli; Fâsilalı)
- Intermittent streams: Single; Double line (Fâsilalı dereler: Tek hatlı; Çift hatlı)
- Disappearing stream; Swamp or marsh (Görünür kaybolur dere; Bataklık)
- Intermittent lake; Dry lake (Fâsilalı göl; Kuru göl)

TERRAIN ELEVATIONS-ARAZI YÜKSEKLIKLER

- Spot elevation: normal; critical (Rakım noktası: normal; vahim) *504 *1900
- HIGHEST KNOWN elevation is 2943 feet at the following coordinates:
  - Geographic 44°35'N. 38°18'E.
  - Grid DK 4538
- Aşağıdaki koordinatlarda AZAMÎ YÜKSEKLÎK 2943 fındır:
  - Coğrafî koordinatlar 44°35'N. 38°18'E.
  - Grid koordinatlar DK 4538

± following elevation value indicates accuracy is not within 100 feet.
± İşaretini takip eden yükseklik değerinde 100 fit'i aşan bir hata vardır

AERODROMES (Military or Civil)
HAVA MEYDANLAR (Askeri veya Sivil)

- Runway pattern known (Pisti bilinen alan) — EDNA/50/s 725
  - EDNA-Name İsim
  - 221-Elevation Yükseklik
- Runway pattern unknown (Pisti bilinmeyen alan)
- HELIPORT/HELIPAD (HELIKOPTER/HELIPAD ALANI)
- HELIPORT/HELIPAD AT HOSPITAL (HASTAHANE YANINDA HELIKOPTER/HELIPAD ALANI)

VISUAL AIDS AND OBSTRUCTIONS
GÖRÜŞ YARDIMCI İŞARETLER VE ENGELLER

- Obstruction Engel — 1108 (259)
  - 1108-Elevation of obstruction top above sea level: Engel tepesinin ortalama deniz seviyesinden yüksekliği
  - (259)-Elevation of obstruction top above ground level: Engel tepesinin yer seviyesinden yüksekliği
- Group obstruction Grup halindeki engeller
- Radio facility obstruction Radyo tesisi engeli
- Power transmission line Enerji nakil hattı

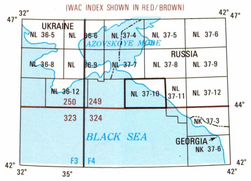
CAUTION

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.

LINES OF EQUAL MAGNETIC VARIATION FOR 1990
(Annual rate of change, no change)

1990 YILI İÇIN HATLAR EŞIT MAGNETIK DEĞIŞIM
(Yıllık değişmek hızı, hayır değişmek)

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



SCALE 1:250,000
NOVOROSSIYSK, RUSSIA

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CAUTION
AIR INFORMATION CURRENT THROUGH
23 JUNE 1992
Consult NOTAMS and Flight Information Publications for the latest information; the DOD 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 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 — 12^5

WARNING
Aircraft infringing upon Non-Free Flying Territory may be fired on without warning. Consult NOTAMS and Flight Information Publications for the latest air information.

WARNING
Unlisted radio emissions from this area may constitute a Navigation Hazard or result in border overflight unless unusual precaution is exercised.

HYDROGRAPHY — HIDROGRAFÎ
Rocks awash — Kayalar su ile beraber
Exposed wreck — Su ile örtülmeyen leş
Limit of danger; Reef — Sığlık tehlike hududu; sığ kayalık
Foreshore flat; Salt evaporator — Sahil düzlüğü; Tuzla
Depth curve — Derinlik kavsi

NOT TO BE USED FOR SURFACE OR SUBSURFACE NAVIGATION

GLOSSARY—LÜGATÇE

Balka	ravine	hendek; dere
Bukhta	bay	körfez
Gora	mountain	dağ
Khrebet	mountain range	dağ dizi mesi
Kolkhoz	collective farm	müşterek çiftlik
Kosa	sand bar	kumsal
Liman	estuary, lagoon	halîç
More	sea	deniz
Mys	cape, point	burun
Ostrov	island	ada
Ozero	lake	göl
Pereval	pass	gedik
Raz"yezd	passing siding	demur yolu makası
Shchel"	crevice	çatlak
Sovkhoz	state farm	devlet çiftliği
Stantsiya	station	istasyon
Urochishche	tract	diyar; mıntıka; kuşak
Vodokhranilishche	reservoir	su hazinesi

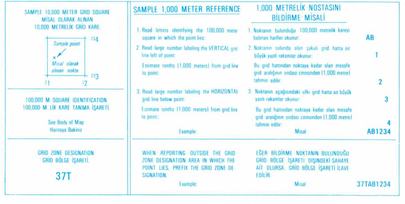
Names and boundaries of administrative divisions in Russia are not available.
Yönetsel bölgelerin adları ve hudutları Rusyada ele alınamamıştır.

ELEVATIONS IN FEET
YÜKSEKLIKLER FITDIR
DEPTHS IN FEET
DERINKLIKLER FITDIR

Prepared and published by the Defense Mapping Agency Hydrographic/Topographic Center, Bethesda, MD. Compiled 1979 Revised 1992

THE DATUM AND ELLIPSOID FOR THIS MAP HAVE CHANGED FROM PREVIOUS EDITIONS. FOR ADJACENT AND OVERLAPPING SHEETS, THERE ARE NO SIGNIFICANT CHANGES IN GRID OR GEOGRAPHIC VALUES AT THIS SCALE.
HARITA BILGISI VE ELIPSOID BU HARITADA, ESKI VE ÖNCEDEN YAYILMIŞ JASKILARDAN DEĞIŞTIRILMIŞTIR. SINIRLARI ÇAKIŞAN YAHUT ÜST ÜSTE AŞIRAN PAFTALAR IÇIN, GRID VEYA COĞRAFÎ ANLAMLARA DAIR BU ÖLÇÜDE HIÇ ÖNEMLI DEĞIŞME YOKTUR.

SAMPLE: 10,000 METER GRID SQUARE MISAL OLARAK ALINAN 10,000 METRELIK GRID KARE



SAMPLE 1,000 METER REFERENCE — 1,000 METRELIK NOSTASINI BILDIRME MISALI

1. Read letters identifying the 100,000 meter square in which the point lies: AB
2. Read large number labeling the VERTICAL grid line left of point: 1
   Estimate tenths (1,000 meters) from grid line to point:
3. Read large number labeling the HORIZONTAL grid line below point: 2
   Estimate tenths (1,000 meters) from grid line to point: 3
   Example: Misal: 4 AB1234

1. Noktanın bulunduğu 100,000 metrelik kareyi belirtan harfler okunur:
2. Noktanın solunda olan yukarı grid hatta ait büyük sayılı rakamlar okunur:
   Bu grid hattından noktaya kadar olan mesafe grid aralığının ondası cinsinden (1,000 metre) tahmin edilir.
3. Noktanın aşağısındaki alçı grid hatta ait büyük sayılı rakamlar okunur:
   Bu grid hattından noktaya kadar olan mesafe grid aralığının ondası cinsinden (1,000 metre) tahmin edilir.
   Misal: 4 AB1234

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION:
Example: 37TAB1234

EĞER BILDIRME NOKTANIN BULUNDUĞU GRID BÖLGE ISARETI DIŞINDAKI SAHAYE AIT ISE, GRID BÖLGE ISARETI ILAVE EDILIR.
Misal: 37TAB1234

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

5 0 5 10 15 20 Statute Miles
5 0 5 10 15 20 25 30 Kilometers
5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 330 FEET
MÜNHANÎ ARALIĞI TAKRIBEN 330 FIT

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 37, WORLD GEODETIC SYSTEM ELLIPSOID.
MAVI RAKAMLI HATLAR DÜNYA JEODEZI SISTEMI (WGS) VE 37 DILIME AIT 10,000 METRELIK UNIVERSAL TRANSVERS MERKATOR GRIDINI ELIPSOIT GÖSTERIR.

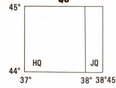
USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS FOR IMPROVING THIS PRODUCT TO: NIMA
CUSTOMER HELP DESK: 1-800-455-0890; COMMERCIAL: 1-314-260-5032; DSN 490-5032; OR WRITE TO: ATTN: CGO, MAIL STOP P-37, NATIONAL IMAGERY AND MAPPING AGENCY, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003
(UK Users) Director General of Military Survey, Ministry of Defence, Elmwood Avenue, Feltham, Middlesex TW13 7AH England

ELEVATIONS IN FEET
YÜKSEKLIKLER FITDIR
DEPTHS IN FEET
DERINKLIKLER FITDIR

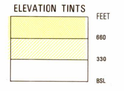
CONVERSION OF ELEVATIONS

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

GEOREF
BASIC 15° QUADRANGLE
QJ



ELEVATION TINTS



RELIABILITY OF THIS GRAPHIC

Compiled from best available source materials.

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

NOTES—NOTLAR

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.
Şemetelirmiş olarak hafif renkle gösterilmiş yerlerden başka, elektrik hattlar gösterilmişte. Yer yüzünden 200 fit veya daha yukarıda olan öteki engeller hem de gösterilmişter. Ikaz notina bak.

Names for symbolized populated places are omitted where information is not available or where density of detail does not permit their inclusion.
Tafsilâtın çok olduğu yerlerde işaretlerle gösterilen meskûn yerlerin ismi yazılamamıştır.

BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.
SINIRLARIN GÖSTERILMESI RESMÎ OLARAK SAYMAK GEREKMEZ.

On this graphic a lane is generally considered as being 8 feet (2.5 metels) in width.
Bu grafikte yol şeritinin genişliği genellikle 8 fit (2.5 metre) olarak kabul edilmiştir.

Road classification should be referred to with caution.
Yol tasnif edilmesine ikaz ile müracaat etmek lâzım

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