

SERIES 1501
SHEET NM 48-10
EDITION 1

POPULATED PLACES

First importance ULAANBAATAR
Second importance CHOYBALSAN
Third importance MORON
Fourth importance Jargalant
Fifth importance Hushuu Some

ROADS

All weather, hard surface 2 LANES
Two or more lanes 3 LANES
One lane 4 LANES
All weather, loose or light surface 2 LANES
Two or more lanes 3 LANES
One lane 4 LANES
Fair or dry weather, loose surface 2 LANES
Track or trail 1 LANE

RAILROADS

Normal gauge 1.52 m (5') Single track Multiple track
Narrow gauge Station, approximate location

BOUNDARIES

International
First-order administrative division (Aymag)
Reservation
Wooded
Vegetation
Rice paddy; land subject to inundation
Well; Perennial; Intermittent
Intermittent stream; Single; Double line
Disappearing stream; Swamp or marsh
Intermittent lake; Wet sand; Sabka
Other features
Glaciers; Snowfield
Horizontal control point; Landmark; Mine
Leaves; Sand
Dunes; Crescent; Lateral; Ripple
Area name K'A-MU

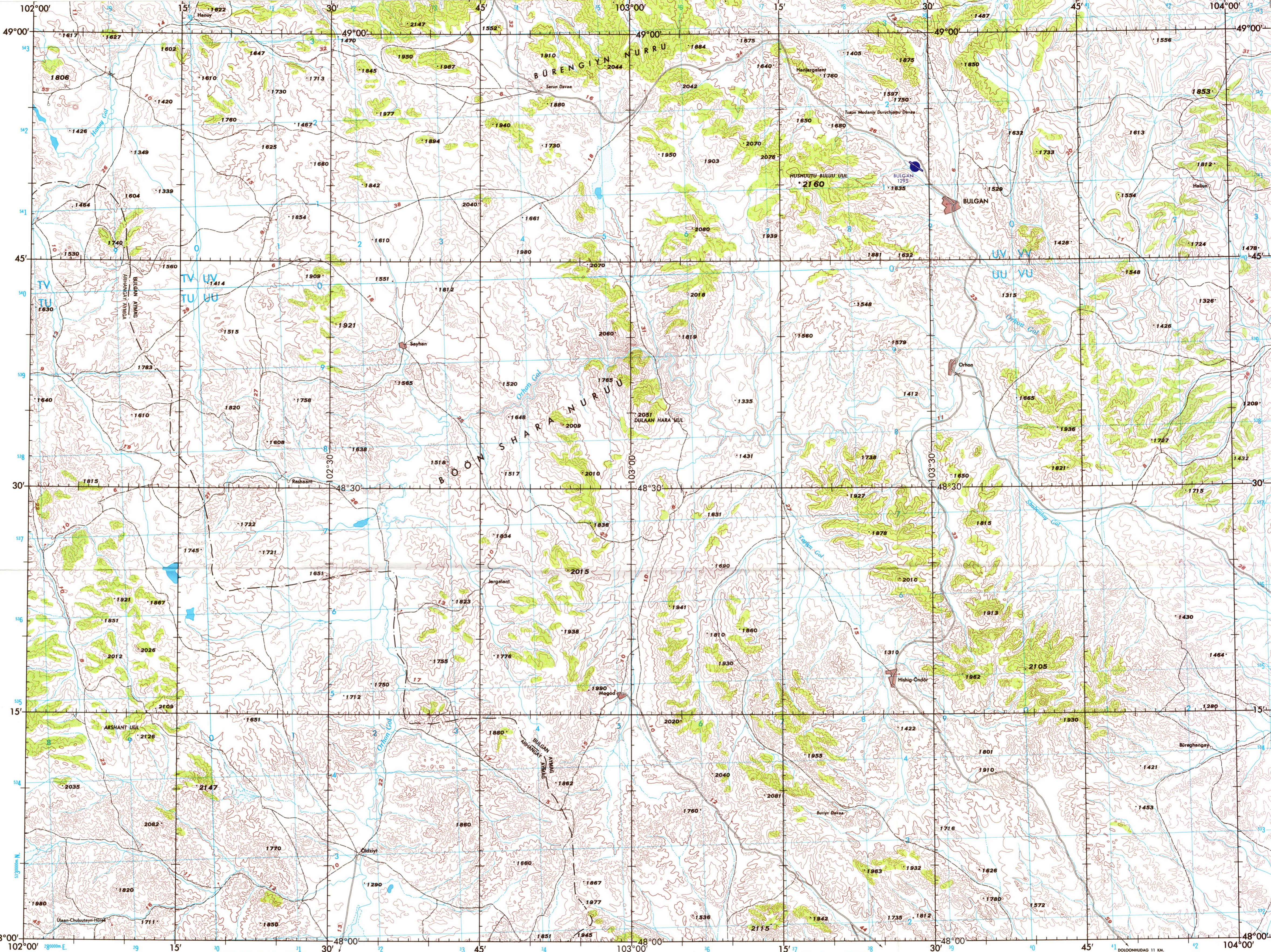
TERRAIN ELEVATIONS

Spot elevations; Normal; Critical
HIGHEST KNOWN elevation: 2160 meters at 48°57'N, 103°17'E

AERODROMES (Military or Civil)

Field limits with runway pattern EDNA 221
EDNA Name
221 Elevation
Field limits, with runway pattern unknown
Field limits unknown, with runway pattern
Field limits and runway pattern unknown
SEAPLANE BASE
SEAPLANE EMERGENCY
HELIPORT
VISUAL AIDS AND OBSTRUCTIONS

Obstruction
338 Elevation of obstruction top, above sea level
179 Elevation of obstruction top, above ground level
Group obstruction
Radio facility obstruction
Power transmission line



1975 MAGNETIC DECLINATION FROM TRUE NORTH
VARIES FROM 1° 12' 00" WESTERLY FOR THE CENTER
OF THE WEST EDGE TO 2° 14' 00" WESTERLY FOR
THE CENTER OF THE EAST EDGE.

LOCATION DIAGRAM

IONIC INDEX SHOWN IN BLUE
(WAC INDEX SHOWN IN RED/BROWN)

47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0

Prepared and published by the Defense Mapping Agency
Topographic Center, Washington, D. C. Compiled
in 1975



JOINT OPERATIONS GRAPHIC

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

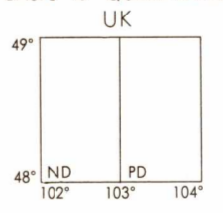
CONTOUR INTERVAL 100 METERS
WITH SUPPLEMENTARY CONTOURS AT 50 METER INTERVALS

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 48, WORLD GEODETIC SYSTEM.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS FOR IMPROVING THIS PRODUCT TO:
(US Users) Director, NIMA, ATTN: C20, 4600 Gannaway Road, Bethesda, MD 20816-5000
(UK Users) Directorate General of Military Survey, Ministry of Defence, Elmwood Avenue, Feltham, Middlesex, England TW 13 7AH

GLOSSARY

Davaa pass
Gol river
Morin river
Nurus mountain
Uul mountain



RELIABILITY OF THIS GRAPHIC
Compiled from best available
source materials
Horizontal Datum: World Geodetic System
Vertical Datum: Mean Sea Level
Transverse Mercator Projection.

NOTES:
No obstructions 61 meters or more above ground level are known to exist in this area.
Names for symbolized populated places are omitted where information is not available or where density of detail does not permit their inclusion.
NAMES ON THIS GRAPHIC DO NOT NECESSARILY INDICATE OFFICIAL RECOGNITION OF THE POLITICAL STATUS OF THE AREA CONCERNED.
THIS GRAPHIC IS NOT AN AUTHORITY ON INTERNATIONAL BOUNDARIES
Alignment of all boundaries is approximate.
Road classification should be referred to with caution.
Figures along roads indicate approximate distances in kilometers.
The reliability of vegetation information is undetermined.
A lane is generally considered as being 8 to 16 feet (2.44 to 4.88 meters) in width.
THE ACCURACY OF ALL ELEVATIONS SHOWN IS NOT WITHIN 30 METERS

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	1640	5000	16404
400	1312	4000	13123
300	984	3000	9842
200	656	2000	6562
100	328	1000	3281

SAMPLE 1,000 METER GRID SQUARE

1. Read letters identifying the 100,000 meter square to which the point lies. AB

2. Read large number labeling the VERTICAL grid line left of point.
Estimate fourth (1,000 meters) from grid line to point. 1

3. Read large number labeling the HORIZONTAL grid line below point.
Estimate fourth (1,000 meters) from grid line to point. 2

Example: AB1234

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.
Example: 48UAB1234

SCALE 1:250,000
BULGAN, MONGOLIA

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