



POPULATED PLACES

Coastal habitation
Over 100,000
25,000 to 100,000
10,000 to 25,000
1,000 to 10,000
Less than 1,000
KwaZulu, native village

ROADS

All weather, hard surface
Two or more lanes
One lane
All weather, loose or light surface
Two lanes
One lane
Fair or dry weather, loose surface
Cart track, footpath, trail

ROUTE MARKERS

National, Secondary
Triangulation station

RAILROADS

Normal gauge 1.067m (3'6")
Narrow gauge 610m (2')
Station

BOUNDARIES

International
Primary administrative
Reservation
Trigonometric position

HORIZONTAL CONTROL POINT

Spot elevation, normal, critical
HIGHEST KNOWN elevation: 5721 feet at 31°22' 28" E
Area name
KANONKOU
Church, School
Landmark features or objects; Mine

TERRAIN ELEVATIONS

Spot elevation, normal, critical
HIGHEST KNOWN elevation: 5721 feet at 31°22' 28" E
Area name
KANONKOU
Church, School
Landmark features or objects; Mine

HYDROGRAPHY

Well, Spring, Intermittent lake
Wadi, Sebka, wet depression
Depth curves in meters
Wreck: Exposed, Sunken
Rocks: Awash, Sunken
Foreshore flat
Limit of danger, Reef

AERODROMES (Military or Civil)

Field limits with runway pattern
EDNA/50/s
725
EDNA Name
50 length of longest runway to nearest hundreds of feet
S-Soft or unimproved surface
U-Unimproved surface
725-Elevation
Field limits, with runway pattern unknown

HELIPORT

Field limits unknown, with runway pattern
Field limits and runway pattern unknown

RADIO FACILITIES

Normal
NDB-RNG
PARIS
NDB-RNG
PARIS

RADIO RANGE I/F/M

MULTIPLE RADIO FACILITIES

CONTROLLED AIRSPACE

ADIZ
ATLANTIC ADIZ

VISUAL AIDS AND OBSTRUCTIONS

Obstruction
1108
(259)
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

AIR INFORMATION CURRENT THROUGH

19 APRIL 1979

Consult NOTAMS and Flight Information Publications for the latest air information; the DOD Aeronautical Chart Updating Manual or MOD (U. K.) Aeronautical Chart Amendment document, for other chart revision information.

CAUTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)

The Maximum Elevation Figures shown in quadrangles bounded by dotted lines of latitude and longitude are represented in HUNDREDS and THOUSANDS 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, antennas, etc.).

125

EXAMPLE: 12,000 feet

LOCATION DIAGRAM

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

SCALE 1:250,000

UMTATA, REPUBLIC OF SOUTH AFRICA

SERIES 1501 AIR
SHEET SH 35-16
EDITION 3

SERIES 1501 COMPANION SHEET IS EDITION 2

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
100	30	1000	305
0	0	0	0

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

PLOTTING ACCURACY 90% ASSURANCE

Horizontal	Vertical
Continuum	within 82 ft
Main-made features	within 1970
Coastal hydrography	1960-65
All other features	1954-68

Horizontal Datum: Cape Datum
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

DEPTHS IN FEET

ELEVATIONS IN FEET

JOINT OPERATIONS GRAPHIC (AIR)

Scale 1:250,000

5 0 5 10 15 20 25 30 35 40 45 50 Statute Miles

5 0 5 10 15 20 25 30 35 40 45 50 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 330 FEET WITH SUPPLEMENTARY CONTOURS AT 165 FOOT INTERVALS

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONES 35 AND 36, CLARKE 1880 SPHEROID

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK:
1-800-458-6888 COMMERCIAL 311-263-5222 1501 406-5022 OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: COO, MAIN STOP P-2, 4605 SANGHVI ROAD, BETHESDA, MD 20814-5002

GLOSSARY

Bouboutatse forestry station
Opdiedingapool training school
Plantatse plantation
Sendingsatse mission

NOTES

Only obstructions 200 feet or more above ground level are shown.
The information on obstructions is not necessarily complete.
On this graphic a lane is generally considered as being 3.2 meters (10.5 feet) in width.
THIS GRAPHIC IS NOT AN AUTHORITY ON INTERNATIONAL BOUNDARIES.

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