SERIES 1501 AIR
SHEET SF 35-15
EDITION 4

SERIES 1501 COMPANION SHEET IS EDITION 3

POPULATED PLACES
First importance ..... PRETORIA
Second importance ..... PIETERSBURG
Third importance ..... Standerton
Fourth importance ..... Alexandria
Fifth importance ..... Cornelia

ROADS
Dual highway ..... 4 LANES DUAL
All weather hard surface
More than two lanes wide ..... 4 LANES
Two lanes wide
One lane wide
All weather, loose or light surface
More than two lanes wide ..... 4 LANES
Two lanes wide
One lane wide
Fair or dry weather, loose surface
Track; Trail ..... N8 S
Route marker: National; Other

RAILROADS ..... Single track / Multiple track
Normal gauge(3'6" feet) ..... known / unknown
Station position ..... known / unknown
Narrow gauge ..... known / unknown

BOUNDARIES
International
First-order administrative division
Reservation

HORIZONTAL CONTROL POINTS
Astronomic position
Horizontal control point
Spot elevation: Normal; Critical ..... 338 .1108

TERRAIN ELEVATIONS
HIGHEST KNOWN elevation is 4829 meters at the following coordinates:
Geographic ..... 23°55'S. 28°31'E
Grid PD5552

RELIEF
Sand
Distorted surface
Lateral dunes
Mound; Cliff
Escarpment; Levee

CULTURE
Church, mission; School
Hut, kraal; Landmark feature; Mine
Tank; Well (other than water)

VEGETATION
Woods; Scattered trees
Mangrove
Orchard, plantations, vineyards

HYDROGRAPHY
Well; Spring; Wet depression ..... Salt
Dry river bed; Dry lake
Land subject to inundation; Swamp

AERODROMES (Military or Civil) EDNA/50/s 725
Field limits with runway pattern
EDNA-Name
50-Length of longest runway to nearest hundreds of feet
s-Soft or unimproved surface
u-Unknown surface
725-Elevation
Field limits, with runway pattern unknown
Field limits unknown, with runway pattern
Field limits and runway pattern unknown
HELIPORT

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 ..... M
Aero light; Marine light

RADIO FACILITIES
RADIO RANGE LF/MF ..... RNG HURN
MULTIPLE RADIO FACILITIES ..... NDB-RNG PARIS

CONTROLLED AIRSPACE
ADIZ ..... ATLANTIC ADIZ

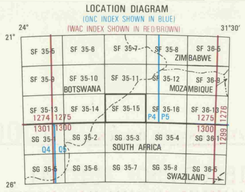
CAUTION
AIR INFORMATION CURRENT THROUGH
5 OCTOBER 1982
Consult NOTAMS and Flight Information Publications for the latest air information; the DOD Aeronautical Chart Updating Manual or MOD (U. K.) Aeronautical Chart Amendment document, for other chart revision information.

LINES OF EQUAL MAGNETIC VARIATION FOR 1980
(Annual rate of change 8' decrease)

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.). In areas of extensive unreliable relief, the MEF is shown by a note spaced across the area.

EXAMPLE: 12,500 feet 125

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



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SCALE 1:250,000
MACHANENG, BOTSWANA; SOUTH AFRICA

SERIES 1501 AIR
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RELIEF DATA INCOMPLETE

SELIKA RELIEF DATA INCOMPLETE

ELEVATIONS IN FEET

ELEVATIONS IN FEET

Prepared and published by the Defense Mapping Agency
Hydrographic/Topographic Center, Washington, D. C.
Compiled May, 1981

Lithographed by DMAAC 3/94

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 165 FEET

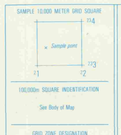
BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 35, CLARKE 1880 SPHEROID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS AND COMMENTS FOR IMPROVING THIS PRODUCT TO:
(US Users): Director, Defense Mapping Agency, ATTN: PR, 8613 Lee Highway, Fairfax, VA 22031-2137.
(UK Users): Directorate of Military Survey, Ministry of Defence, London.

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

SAMPLE 10,000 METER GRID SQUARE



SAMPLE 1,000 METER REFERENCE

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: 2
3. Read large number labeling the HORIZONTAL grid line below point: 3
Estimate tenths (1,000 meters) from grid line to point: 4
Example: AB1234

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.
Example: 35K AB1234

GLOSSARY

Berg(e)	mountain(s), hill(s)	Loop	stream
Bult	mountain, hill	Nek	isthmus, pass
Drif	drift, ford	Dog	spring
Drift	drift, hill, ford	Pan(ne)	pan(s)
End	mountain	Pik(e)	mountain(s), hill(s), peak(s)
Fontein	spring	Poort	(mountain) pass
Grot(te)	cave(s)	Punt	point, hill, mountain
Heuwel(s)	mountain(s), hill(s)	Rand	mountain(s), ridge, hill
Hoek	hook, point, head (and mountain)	Rante	mountains, ridges
Hoogte	mountain(s), hill(s)	Rivier	stream
Klip	hill, mountain, cliff, crag	Spruit	stream
Kloof	valley, ravine, pass	Spuit	stream
Kop	mountain, hill	Stroom	stream
Koppe	mountain	Vlakte(s)	plain
Kopje(s)	hill(s), mountain	Vlei	pan

GEOREF
BASIC 15° QUADRANGLE
PE
23°
24° NG PG
27° 28° 28°30'

ELEVATION TINTS
FEET
2625
660

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

PLOTTING ACCURACY 90% ASSURANCE
Compiled from best available source materials

Horizontal Datum Arc 1950
Vertical Datum Mean Sea Level
Transverse Mercator Projection

DMA STOCK NO. 1501ASF3515

ED NO. 004

NOTES
Only obstructions 200 feet or more above ground level are shown.
The information on obstructions is not necessarily complete.
Powerline information and obstructions have been extracted from the most reliable source available. However, there is no assurance that all powerlines and obstructions are shown or that their locations and heights are correct.
On this graphic a lane is generally considered as being 11 feet (3.5 meters) in width.
THE REPRESENTATION OF INTERNATIONAL BOUNDARIES IS NOT NECESSARILY AUTHORITATIVE.