SERIES	1501 AIR
SHEET	NA 37-8
EDITION	2

JOINT OPERATIONS GRAPHIC-AIR

Scale 1:250,000

RELIEF SHOWN BY FORM LINES AT NO DEFINITE INTERVAL

Form lines Hachures

TRANSVERSE MERCATOR PROJECTION

Published by the Defense Mapping Agency Hydrographic/Topographic Center, Bethesda, MD.

Revision information overprinted by Defense Mapping Agency, December 1992.

SCALE 1:250.000

EL WAK
KENYA;
SOMALIA

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COORDINATE CONVERSION: CLARKE 1880 TO WGS 84
Geographic: Subtract 33" Long., Add 17" Lat.

THE UTM GRID IS NOT THE OPERATIONAL GRID WEST OF 41°E (1972)

MAGNETIC VARIATION FOR 1990 IS APPROXIMATELY 0° OVER THE ENTIRE AREA
(Annual rate of change 2' increase)

NOTES

No obstructions 200 feet or more above ground level are known to exist in this area.
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BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.

BLUE NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID ZONES 37 AND 38 CLARKE 1880 SPHEROID

RED/BROWN NUMBERED TICKS INDICATE THE 10,000 METRE EAST AFRICA GRID BELT J CLARKE 1880 SPHEROID

MAGENTA NUMBERED TICKS INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 37 WORLD GEODETIC SYSTEM 1984 ELLIPSOID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4864; DSN 693-4864; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN.: ES, MAIL STOP L-80, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

MAGENTA 100,000 METER SQUARE IDENTIFIERS APPLY TO WORLD GEODETIC SYSTEM 1984.

LIMITED REVISIONS USING MAP INFORMATION AS OF 1983, 1984, 1988, 1989 1991, 1992

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NOTE: THIS GRAPHIC IS NOT AN AUTHORITY ON INTERNATIONAL BOUNDARIES

CAUTION

AIR INFORMATION CURRENT THROUGH 15 DECEMBER 1992

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.

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.

Power line information has been extracted from the most reliable source available. However, there is no assurance that all power lines are shown.

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LEGEND

POPULATED PLACES
Nomad encampment site
1st importance ... MOGADISCIO
2nd importance ... MERCA
3rd importance ... CHISIMAIO
4th importance ... El Hamurre
5th importance ... Balac

ROADS
All weather, hard surface:
Two or more lanes wide
Principal route
Secondary route
Less than two lanes wide
Principal route
Secondary route
All weather, loose or light surface:
Two or more lanes wide
Less than two lanes wide
Fair or dry weather
loose surface dirt road
Cartpath
Trail (footpath)

RAILROADS
Normal gauge
Narrow gauge

BOUNDARIES
International
Province (Kenya)
Region (SOMALIA)

RELIEF
Spot elevation: normal, critical ...446 ...744
(following elevation value indicates accuracy is not within 100 feet
Horizontal control point: trig; astro
Cliff; Escarpment
Depression

MISCELLANEOUS
Area name
Tribal name
Woods; Tree cultivation
Vegetation arcs; Cultivation
Distorted surface area
Sand
Wadi; Wet depression
Dry stream or river bed
Spring; well
Limit of danger
Rocks; sunken; awash
Reef; Foreshore flat
Anchorage
Wrecks: sunken; exposed
Mosque
Power transmission line

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

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

CONTROLLED AIRSPACE
ADIZ ... ATLANTIC ADIZ
SIZ ... MONTREAL SIZ

MAGNETIC VARIATION
Isogonic line ... 7°E

VISUAL AIDS AND OBSTRUCTIONS
Obstruction ... 109 (260)
109 - Elevation of obstruction top above sea level
(260) - Elevation of obstruction top above ground level
Group obstruction
Radio facility obstruction
Visual ground sign ... M
Aero light: Marine light

RELIABILITY OF VERTICAL OBSTRUCTION DATA: NO OBSTRUCTIONS 200 FEET OR MORE ABOVE GROUND LEVEL ARE KNOWN TO EXIST IN THIS AREA

GEOREF
BASIC 15° QUADRANGLE QG
LC MC
40°30' 41° 42°

Maximum Terrain elevation figures, centred in the area bounded by ticked lines of latitude and longitude, are represented in THOUSANDS and HUNDREDS of feet; BUT DO NOT INCLUDE ELEVATIONS OF VERTICAL OBSTRUCTIONS

EXAMPLE:
5100 feet ... 51

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

Standard grid reference procedure is to be adopted after the construction of the appropriate grid lines by the user.

GRID BELT DESIGNATION
300,000 METRE Northings band (Small letter) and 100,000 METRE Square (Large letter) IDENTIFICATIONS
IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGER figure of the grid number.
EXAMPLE: 18 0000 mE

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1,000 METRES
SAMPLE POINT: Dimo
1. Read letters identifying 100,000 metre square in which the point lies: AP
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labelling the line either in the top or bottom margin, or on the line itself. Estimate tenths from grid line to point: I
3. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labelling the line either in the left or right margin or on the line itself. Estimate tenths from grid line to point: 8 3
SAMPLE REFERENCE: AP1183
If reporting beyond 2°30'E or W of meridian of origin prefix BELT letter: JAP1183

GRID ZONE DESIGNATION
37N
100,000 METRE SQUARE IDENTIFICATION
FD FP GP HP
ND FN GN HN
GD
FC GC HC
IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGER figure of the grid number.
EXAMPLE: 67 0000

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1,000 METRES
SAMPLE POINT: Gural Arbasi
1. Read letters identifying 100,000 metre square in which the point lies: GP
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labelling the line either in the top or bottom margin, or on the line itself. Estimate tenths from grid line to point: 2 8
3. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labelling the line either in the left or right margin or on the line itself. Estimate tenths from grid line to point: 0 5
SAMPLE REFERENCE: GP2805
If reporting beyond 9°N S or 8°E W prefix Grid Zone Designation as: 37NGP2805

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LEGEND

REVISIONS IN MAGENTA

Populated places
All weather, hard surface roads
All weather, loose surface roads
Fair or dry weather roads, tracks, streets
International boundary (boundary pillars)
HIGHEST KNOWN elevation is 2706 ± feet at the following coordinates:
Geographic ... 2°29' N, 40°54' E
Grid ... GN 1378

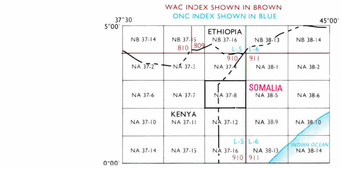
AERODROMES (Military or Civil)
EDNA/50/s
725
Runway pattern known
EDNA—Name
50—Length of longest runway to nearest hundreds of feet
s—Soft or unimproved surface
u—Unknown surface
725—Elevation

GLOSSARY

Bur ... isolated hill
El ... well
Gabri ... tomb
Gir ... steep slope
Lach ... watercourse
Lagh ... watercourse
San ... spur, slope
Sere ... grazing area
Uar ... rainwater hollow
BP ... boundary pillar

Reprinted By NIMA 11-02
6/72/231/2/MCE(RE)

LOCATION DIAGRAM FOR NA 37-8
WAC INDEX SHOWN IN BROWN
ONC INDEX SHOWN IN BLUE



SERIES 1501 COMPANION SHEET IS NA 37-8 EDN 1-GSGS

NSN 7641014102983
NIMA Ref No 1501ANA3708

ED. NO. 002

DISCREPANCIES EXIST BETWEEN THIS EDGE AND MARS EDITION 1-GSGS DUE TO THE INFLUENCE OF LOCAL ASTRO DATUMS

MAXIMUM ELEVATIONS ARE BELIEVED NOT TO EXCEED 2900 FEET

RELIEF DATA INCOMPLETE

ELEVATIONS IN FEET