

SERIES 1501 AIR
SHEET NA 37-16
EDITION 2

LEGEND

POPULATED PLACES

1st importance: **MOGADISCIO**
2nd importance: **MERCA**
3rd importance: **CHISIMAYO**
4th importance: **El Hamuro**
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
Carriageway
Trail (unimproved)

RAILROADS

Normal gauge
Narrow gauge

BOUNDARIES

International
Region (Somali)
Province (Kenya)

RELIEF

Spot elevation: normal critical
Following elevation value indicates accuracy
± 100 feet
Horizontal control point: trig. astro. @
CPI: Escarpment
Depression

MISCELLANEOUS

Area name: **HALD ABGAL**
Tribal name
Woods: Tree cultivation
Vegetation: arid
Swamp: Marsh
Wadi/Wet depression
Dry stream or river bed
Spring/well
Limit of danger
Rocks: sunken; awash
Reef: Foreshore flat
Anchorage
Wrecks: sunken; exposed
Moque

AERODROMES (Military or Civil)

Field limits with runway pattern
EDNA: 50/1
EDNA Name
50 - Length of longest runway to nearest
side of field
5 - Soft or unimproved surface
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
MULTIPLE RADIO FACILITIES
CONTROLLED AIRSPACE
ADIZ
SIZ
MONTREAL SIZ

MAGNETIC VARIATION

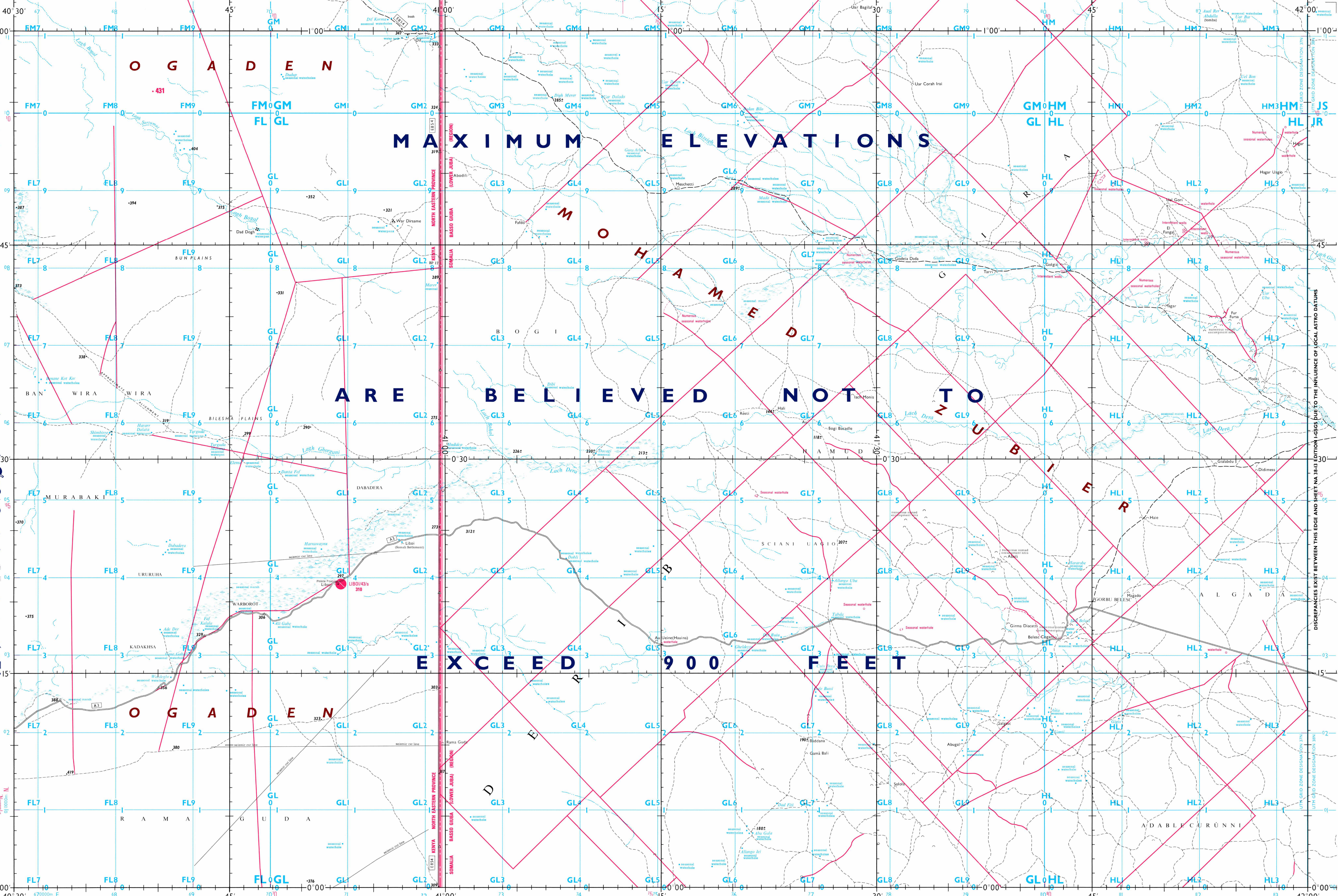
Isoptic line: 7° E

VISUAL AIDS AND OBSTRUCTIONS

Obstruction:
1105 - Elevation of obstruction top
above sea level
1260 - Elevation of obstruction top
above ground level

Group obstruction
Radio facility obstruction
Visual ground sign
Aero light: Marine light

GEOREF
BASIC 15° QUADRANGLE QG



Published by the Director of Military Survey, Ministry of Defence, United Kingdom 1972
© CROWN COPYRIGHT
Compiled by Mapping and Charting Establishment RE in 1971
Revision information overprinted by Defense Mapping Agency, December 1992.

CAUTION
AIR INFORMATION CURRENT THROUGH 15 DECEMBER 1992
Consult NOTAMS and Flight Information Publications for the latest information; the DOD Aeronautical Chart Catalogue Manual or MOD (UK) Aeronautical Chart Amendment documents, for other chart revision information.

CAUTION
Vertical obstruction information has been extracted from the most reliable sources available; however, there is a possibility that some obstructions or their locations or heights are absent.

MAGNETIC VARIATION FOR 1990 IS APPROXIMATELY 7° OVER THE ENTIRE AREA
(Annual rate of change, 1° decrease)

HIGHEST KNOWN elevation is 431 feet at the following coordinates:
Geographic: 00°55' N, 42°23' E
Grid: FM 802

SCALE 1:250,000
LIBOI KENYA; SOMALIA

AERONAUTICAL APPROACH CHARTS (Code AC) and/or **AERONAUTICAL CHARTS** (Code AGC) completely within this area are discontinued. Those that are partially within this area should be retained until publication of the adjacent Joint Operations Graphic (Airs), 1501 AIR. Consult the DOD Bulletin or the MOD (UK) Aeronautical Chart Catalogue Amendment Bulletin for publication and discontinuation notices.

SERIES 1501 AIR
SHEET NA 37-16
EDITION 2

GRID ZONE DESIGNATION
37N
05 800 METRE SQUARE IDENTIFIERS APPLY TO WORLD GEODETIC SYSTEM 1984

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METRES

SAMPLE POINT - Harardiglo

1. Read across identifying 800 000 metre square in column to give 05
2. Read down VERTICAL grid line to LEFT of point and read 14202. Figure following the line other than the square bottom edge gives the easting
3. Locate Point 142020202 on grid and read 142020202 across the line until it reaches the horizontal line to give 142020202

SAMPLE REFERENCE: 05 142020202
If reporting measure 142020202 use profile Grid Zone Designation 37N 05 142020202

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1000	305	10000	3048
800	274	9000	2743
600	244	8000	2438
400	213	7000	2134
200	183	6000	1829
100	152	5000	1524
0	122	4000	1219
0	91	3000	914
0	61	2000	610
0	31	1000	305

JOINT OPERATIONS GRAPHIC-AIR

Scale 1:250,000

Scale Bars: 0 to 30 Statute Miles, 0 to 30 Nautical Miles, 0 to 30 Kilometres

NO CONTOUR INFORMATION AVAILABLE FOR THIS GRAPHIC

TRANSVERSE MERCATOR PROJECTION

NOTES
Depiction of international boundaries has been changed since the last edition.
No obstructions 200 feet or more above ground level are known to exist in this area.
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.
Road classification should be referred to with caution.
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.

CAUTION
THIS PRODUCT MAY NOT CONFORM TO THE HORIZONTAL ACCURACY REQUIREMENTS FOR A 1:250,000 JOINT OPERATIONS GRAPHIC. EXTREME CAUTION SHOULD BE USED WHEN MAKING MEASUREMENTS.

REVISIONS IN MAGENTA
LIMITED REVISIONS USING MAP INFORMATION AS OF 1992, 1991, 1988, 1988, 1982

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-855-8888 COMMERCIAL 314-263-8484 (CON 485-4848) OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: ES, MAIL STOP L-86, 4800 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

LEGEND

Populated places
Landmark feature
All weather, hard surface roads
All weather, loose surface roads
Fair or dry weather roads, tracks, streets
Bridge
Power transmission line
Landmark area
International boundary (boundary pillars)
Aerodrome (Military or Civil)
Runway pattern known
EDNA/50s
725
EDNA Name
50 - Length of longest runway to nearest hundreds of feet
5 - Soft or unimproved surface
725 - Elevation
Runway pattern unknown

GLOSSARY

Asal
Bari
El
Lach
Ligh
Uar
Wap
BP

omb
well
watercourse
dig-out rainwater gull
rainwater hollow
boundary pillar

A question mark following a name (e.g. Galle?) indicates uncertainty in identification of the feature.

LOCATION DIAGRAM FOR NA 37-16
WAG INDEX SHOWN IN BROWN
ONC INDEX SHOWN IN BLUE

3700	NA 37-A	NA 37-B	NA 37-C	NA 37-D	NA 37-E	NA 37-F	NA 37-G	NA 37-H	NA 37-I	NA 37-J	NA 37-K	NA 37-L	NA 37-M	NA 37-N	NA 37-O	NA 37-P	NA 37-Q	NA 37-R	NA 37-S	NA 37-T	NA 37-U	NA 37-V	NA 37-W	NA 37-X	NA 37-Y	NA 37-Z	
0'00	NA 37-10	NA 37-11	NA 37-12	NA 37-13	NA 37-14	NA 37-15	NA 37-16	NA 37-17	NA 37-18	NA 37-19	NA 37-20	NA 37-21	NA 37-22	NA 37-23	NA 37-24	NA 37-25	NA 37-26	NA 37-27	NA 37-28	NA 37-29	NA 37-30	NA 37-31	NA 37-32	NA 37-33	NA 37-34	NA 37-35	NA 37-36
2'00	SA 37-A	SA 37-B	SA 37-C	SA 37-D	SA 37-E	SA 37-F	SA 37-G	SA 37-H	SA 37-I	SA 37-J	SA 37-K	SA 37-L	SA 37-M	SA 37-N	SA 37-O	SA 37-P	SA 37-Q	SA 37-R	SA 37-S	SA 37-T	SA 37-U	SA 37-V	SA 37-W	SA 37-X	SA 37-Y	SA 37-Z	

NSN 7641014102985
NIMA Ref No: 1501ANA3716

SERIES 1501 COMPANION SHEET IS NA 37-16 EDN 1-GSGS