

**SERIES 1501 AIR SHEET NG 32-12 EDITION 2**

SERIES 1501 COMPANION SHEET IS EDITION 1

**POPULATED PLACES**

- Over 100,000 **TRIPOLI**
- 50,000 to 100,000 **BENGASI**
- 10,000 to 50,000 **Gadames**
- 2,000 to 10,000 **Tobruk**
- Less than 2,000 **JABO**

**ROADS**

- Dual highway **4 LANES DUAL**
- All weather, hard surface **4 LANES**
- More than two lanes wide
- Two lanes wide
- One lane wide
- All weather, loose or light surface **3 LANES**
- More than two lanes wide
- Two lanes wide
- One lane wide
- Fair or dry weather, loose surface
- Cart track
- Footpath, trail
- Road marker

**RAILROADS**

- Normal gauge, single track 1.44m (4'8 1/2") Double track
- Narrow gauge

**BOUNDARIES**

- International
- First-order administrative

**OTHER FEATURES**

- Area name
- Mine or quarry
- Campsite; Ruins; Watermill
- School; Church; Landmark
- Mosque; Muslim shrine
- Small reservoir or cistern
- Well; Perennial; Intermittent; Spring
- Underground aqueduct with shafts
- Sabkha or Dry lake; Intermittent lake
- Single line intermittent stream; Wadi
- Marsh or swamp; Land subject to inundation
- Mound; Levee
- Mudflat; Distorted surface
- Sand, flat or rolling; Sand dunes
- Horizontal control point

**VEGETATION**

- Woods; brushwood; Scattered trees
- Orchard; vineyard; Scrub

**HYDROGRAPHY**

- Rocks, uncrossing or awash
- Exposed wreck
- Limit of danger; Reef
- Foreshore flat
- Depth curve; Lighthouse

**TERRAIN ELEVATIONS**

- Spot elevation, normal, critical
- HIGHEST KNOWN elevation is **3934** feet at the following coordinates: **28°10'N, 10°25'E**
- Geographic Grid **PH5586**
- ± following elevation value indicates accuracy is not within 100 feet

**AERODROMES (Military or Civil)**

- Runway pattern known **EDNA/50/V**
- Runway pattern unknown **725**
- Field limits and runway pattern unknown

**HELIPORT**

- VOR VORTAC
- TACAN VOR/DME
- RADIO RANGE LF/MF
- MULTIPLE RADIO FACILITIES
- CONTROLLED AIRSPACE
- AIDS
- VISUAL AIDS AND OBSTRUCTIONS
- Obstruction
- 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**

Vertical obstructions, including powerlines, have been omitted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

**CAUTION**

**AIR INFORMATION CURRENT THROUGH 17 MARCH 1993**

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

**MAGNETIC VARIATION FOR 1990 IS APPROXIMATELY 0°30' WEST OVER THE ENTIRE AREA (Annual rate of change 5' 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 features in each quadrangle, including terrain and obstructions (towers, antennas, etc.).

**EXAMPLE: 12,500 feet**

**125**

**LOCATION DIAGRAM**

Boundary Representation is Not Necessarily Authoritative (ONIC INDEX SHOWN IN BLUE) (WAC INDEX SHOWN IN RED/BROWN)

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| NG 32-2  | NG 32-3  | NG 32-4  | NG 32-5  | NG 32-6  |
| NG 32-6  | NG 32-7  | NG 32-8  | NG 32-9  | NG 32-10 |
| NG 32-10 | NG 32-11 | NG 32-12 | NG 32-13 | NG 32-14 |
| NG 32-14 | NG 32-15 | NG 32-16 | NG 32-17 | NG 32-18 |
| NG 32-18 | NG 32-19 | NG 32-20 | NG 32-21 | NG 32-22 |

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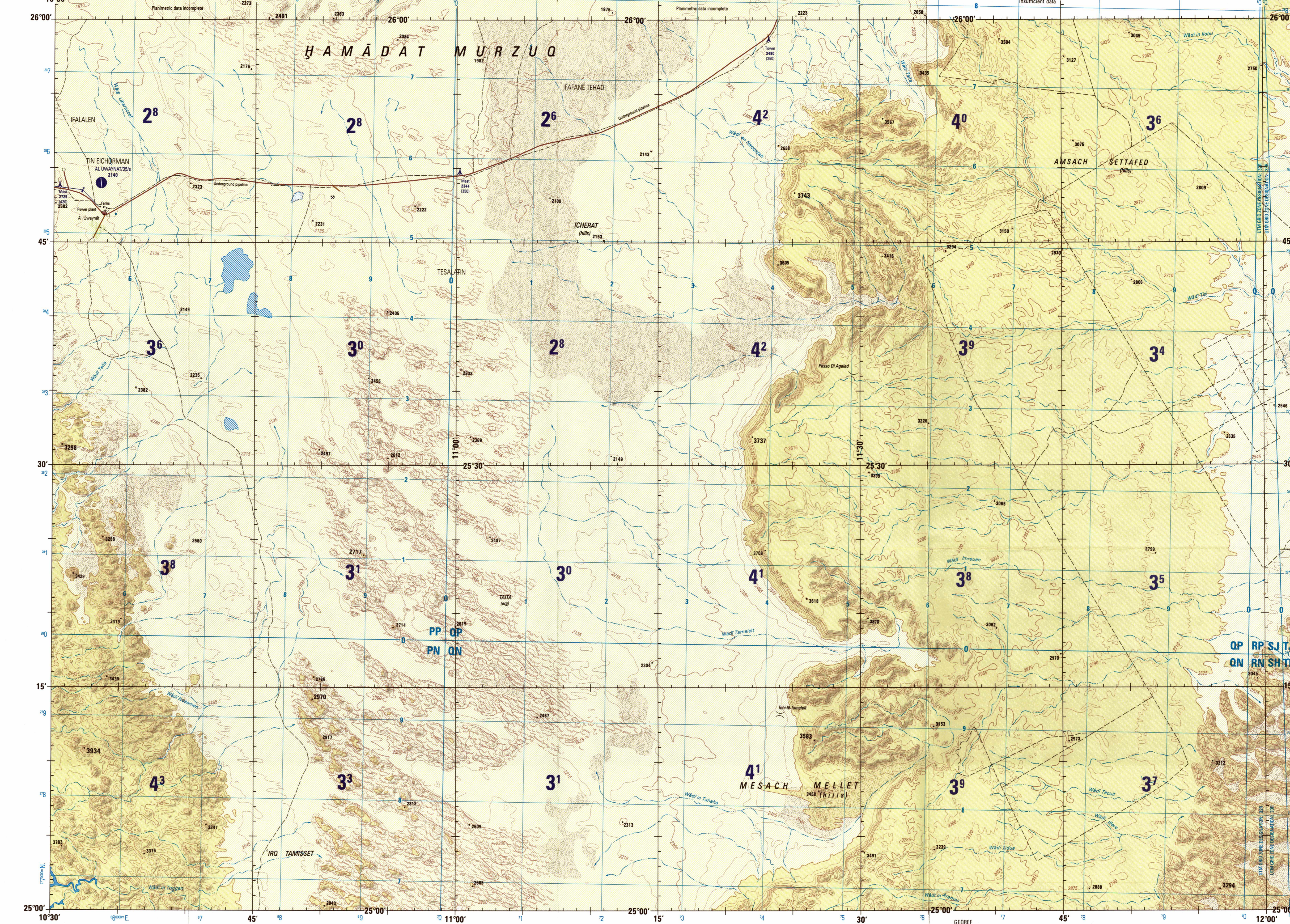
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**SCALE 1:250,000**

**AL'UWAYNAT, LIBYA**

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**CONVERSION OF ELEVATIONS**

| FEET | METERS | FEET  | METERS |
|------|--------|-------|--------|
| 1000 | 305    | 10000 | 3048   |
| 500  | 152    | 5000  | 1524   |
| 100  | 30     | 1000  | 305    |
| 50   | 15     | 500   | 152    |
| 20   | 6      | 200   | 61     |
| 10   | 3      | 100   | 30     |
| 5    | 1.5    | 50    | 15     |
| 2    | 0.6    | 25    | 7.6    |
| 1    | 0.3    | 12.5  | 3.8    |

**THE DATUM AND ELLIPSOID FOR THIS AREA HAVE BEEN CHANGED. FOR ADJACENT AND OVERLAPPING SHEETS, THERE ARE NO SIGNIFICANT CHANGES IN GRID OR GEOGRAPHIC VALUES AT THIS SCALE.**

**EXAMPLE 1:000 METER REFERENCE**

1. Read the elevation of the 1000 meter square in which the point lies. **1000**

2. Read the spot elevation of the point, and the 1000 meter square. **1000**

3. Read the spot elevation of the point, and the 1000 meter square. **1000**

**EXAMPLE 2:500 METER REFERENCE**

1. Read the elevation of the 2500 meter square in which the point lies. **2500**

2. Read the spot elevation of the point, and the 2500 meter square. **2500**

3. Read the spot elevation of the point, and the 2500 meter square. **2500**

**GLOSSARY**

- Hamadat ..... hamadach
- Wadi ..... wadi
- Passo ..... passo
- Tah ..... tah
- Wadi ..... wadi

**BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 32, WORLD GEODETIC SYSTEM ELLIPSOID**

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0899; COMMERCIAL 314-260-5032; DSN 490-9332; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDD, MAIL STOP P-37, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003

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