

**GEN 3.5 METEOROLOGICAL SERVICES**

**1. RESPONSIBLE SERVICE**

The Meteorological Services for civil aviation are provided by:

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Meteorological Center  
Es-Swani, El-Krimia  
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Tripoli

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AFS: HLMCYMYX  
GREAT SOCIALIST  
PEOPLE'S LIBYAN ARAB  
JAMAHIRIYA

**2. AREA OF RESPONSIBILITY**

Meteorological weather watch is provided for Tripoli FIR in accordance with the provisions of ICAO documents:

ANNEX 3: "Meteorological Services for International Air Navigation".

Doc 7030: "Regional Supplementary Procedures"

**2.1 The Main Center**

National Meteorological Center Tripoli (NMC) in Es-Swani.

**3. METEOROLOGICAL OBSERVATION AND REPORTS**

3.1 The Meteorological observing network is provided mainly from 24 synoptic stations and 3 full automatic stations as shown in the tables below.

**SYNOPTIC AERONAUTICAL MET STATIONS**

Name of Station Elevation	Location Indicator	Index No.	Coordinates	Hours (UTC)	Information Provided
1	2	3	4	5	6
NALUT 621	-	62002	N3152 E01059	H24	SYNOPTIC OBSERVATION AVBL
ZWARA 3	HLZW	62007	N3253 E01205	H24	SYNOPTIC OBSERVATION AVBL
TRIPOLI AIRPORT 81	HLLT	62010	N3240 E01309	H24	SEE TABLE ON PAGE GEN 3.5-2
MISURATA 32	HLMS	62016	N3219 E01503	H24	SYNOPTIC OBSERVATION AVBL
SIRTE 13	HLGD	62019	N3112 E01635	H24	SYNOPTIC OBSERVATION AVBL
BENINA 129	HLLB	62053	N3205 E02016	H24	SEE TABLE ON PAGE GEN 3.5-2
AGEDABIA 7	HLAG	62055	N3043 E02010	H24	SYNOPTIC OBSERVATION AVBL
SHAHAT 621	-	62056	N3249 E02151	H24	SYNOPTIC OBSERVATION AVBL
DERNA 26	-	62059	N3247 E02235	H24	SYNOPTIC OBSERVATION AVBL
TOBRUK 50	-	62062	N3206 E02356	H24	SYNOPTIC OBSERVATION AVBL
GHADAMES 357	HLTD	62103	N3008 E00930	H24	SYNOPTIC OBSERVATION AVBL
GHERIAT 497	-	62120	N3023 E01335	H24	SYNOPTIC OBSERVATION AVBL
SEBHA 432	HLLS	62124	N2701 E01427	H24	SEE TABLE ON PAGE GEN 3.5-2
HON 263	HLON	62131	N2907 E01557	H24	SYNOPTIC OBSERVATION AVBL

**SYNOPTIC AERONAUTICAL MET STATIONS**

Name of Station Elevation	Location Indicator	Index No.	Coordinates	Hours (UTC)	Information Provided
1	2	3	4	5	6
GIALO 60	-	62161	N2902 E02134	H24	SYNOPTIC OBSERVATION AVBL
GIAGBUB -1	-	62176	N2945 E02432	H24	SYNOPTIC OBSERVATION AVBL
GHAT 692	HLGT	62212	N2508 E01009	H24	SEE TABLE ON PAGE GEN 3.5-2
TAZERBO 260	-	62259	N2548 E02108	H24	SYNOPTIC OBSERVATION AVBL
KUFRA 436	HLKF	62271	N2413 E02318	H24	SEE TABLE ON PAGE GEN 3.5-2
YEFREN 691	-	62008	N3205 E01233	H24	SYNOPTIC OBSERVATION AVBL
KHOMS 22	-	62012	N3238 E01418	H24	SYNOPTIC OBSERVATION AVBL
UBARI 463	HLUB	61247	N2636 E01247	H24	SYNOPTIC OBSERVATION AVBL
BO.NJEEM 90	-	62018	N3035 E01525	H24	SYNOPTIC OBSERVATION AVBL
BENI WALID 259	HLWD	62014	N3144 E01401	H24	SYNOPTIC OBSERVATION AVBL
ELHAMADA* 625	-	62121	N2931 E01256	H24	SYNOPTIC OBSERVATION AVBL
TRAGEN* 421	HLTR	62225	N2556 E01427	H24	SYNOPTIC OBSERVATION AVBL
MARADA* 37	HLMR	62145	N2928 E01929	H24	SYNOPTIC OBSERVATION AVBL

\* unmanned stations (DCP)

**METEOROLOGICAL OBSERVATIONS AND REPORTS**

Name of Station/Location Indicator	Type and Frequency of Observation/ Automatic Observation Equipment	Type of MET Reports & Supplementary Information Included	Observation System Site(s)	Hours of Operation	Climatological Information
Kufra Intl HLKF	Hourly		Manual & Auto	H24	Climatological avbl
Benina Intl HLLB	Half hourly	Metar/Speci	Manual & Auto	H24	Climatological avbl
Mitiga Intl HLLM	Hourly	Metar/Speci	Manual & Auto	H24	Climatological avbl
Sebha Intl HLLS	Hourly	Metar/Speci	Manual & Auto	H24	Climatological avbl
Tripoli Intl HLLT	Half hourly	Metar/Speci	Manual & Auto	H24	Climatological avbl
Ghat HLGT	Hourly	Metar/Speci	Manual & Auto	H24	Climatological avbl

\* Automatic observation via AW11, VOLMET 126.4 MHz.

**4. TYPES OF SERVICE**

- 4.1 - Climatological summaries for synoptic stations are available from the NMC.
- Briefing and flight documentations are provided at the Briefing Offices at Benina, Tripoli and Mitiga airports at any time (24 hours), while at other airports notification from operators concerning the briefing documentation and meteorological information needed should be requested at least 3 hours before the estimated time of departure.
- Any other services could be on bilateral agreement with the NMC.
- 4.2 The Pilot-in-command is given personal briefing by a Meteorological Officer. Flight Documentation normally includes:
- Upper level charts
- Departure - destination aerodrome reports and forecasts as well as alternates.
- 4.3 Unless otherwise agreed, the forecast will be ready one hour before the stated time of departure.
- 4.4 Tripoli FIR Upper Air Information "Wind and Temperature" are provided by NMC on request.

**5. NOTIFICATION REQUIRED FROM OPERATORS**

For non-scheduled flights, notification from operators concerning briefing, flight documentation and other meteorological information needed is required:

- a) At least 2 hours before the estimated time of departure from Benina, Mitiga and Tripoli airports.
- b) At least 3 hours before the estimated time of departure from the other airports.

**6. AIREP REQUIRED FROM OPERATORS**

According to Annex 3, Chapter 5 - the preparation and transmission of aircraft observations (AIREP) is to be reported at the reporting points given below:

1. ABU ARGUB VOR/DME
2. ARRIG
3. BENINA VOR/DME
4. BONAR
5. DAHRA VOR
6. DEKIL
7. DITAR
8. GARIN
9. GHADAMES VOR/DME
10. GHAT VOR/DME
11. INDOT
12. KUFRA VOR/DME
13. LOSUL
14. MITIGA VOR
15. ORNAT
16. PUFER
17. RAMLI
18. RASNO

19. SARIR NDB
20. SARKI
21. SEBHA VOR/DME
22. TONBA
23. TUMMO

**7. VOLMET SERVICE**

Nil.

**8. SIGMET AND WARNING SERVICES**

- 8.1 The NMC maintains a continuous area weather watch and warning service within Tripoli FIR and issues SIGMETs, as well as warnings for the respective aerodromes.

The SIGMET messages are to be issued at occurrence or expected occurrence of any significant phenomena in abbreviated plain language in accordance with Annex 3.

- 8.2 The NMC issues warnings for respective aerodromes whenever weather phenomena specified in Annex 3 are occurring or are expected to occur to the aerodrome.

**9. OTHER AUTOMATED METEOROLOGICAL SERVICE**

Nil

**10. METEOROLOGICAL PRODUCTS**

- Aeronautical meteorological information for aviation received via SADIS, WEDIS, RETIM AFRICA, RETIM EUROPE, CADAS and MDD.
- Local aeronautical meteorological information: METAR, TAF, Warnings, SIGMETs and Local significant Weather Charts are issued by NMC using AUTOMATIC WEATHER STATIONS, MSG, RETIM AFRICA, RETIM EUROPE, MDD, WEATHER RADARS and different kinds of models such as ARPEG, ALADIN, ECMWF.
- Wind and Temperature Charts for all isobaric levels: FL050 - FL100 - FL140 - FL180 - FL240 - FL300 - FL340 - FL390 - FL450 - FL530.
- Significant Weather Charts including standard flight level boundaries valid for affixed time and date.
- Aerodrome TAFS (FC - FT), METARs, Warnings & SIGMETs.

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