

GEN 3.5 METEOROLOGICAL SERVICES

GEN 3.5.1 Responsible service

Aviation Meteorological Service is provided by Namibia Meteorological Service of the Ministry of Works and Transport.

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The service is provided in accordance with the provisions contained in the following documents:

NAMCARS 170 & 174 / ICAO document Annex 3

Doc 7030 – Regional Supplementary Procedures

GEN 3.5.2 Area of responsibility

The main area of responsibility is Windhoek FIR.

GEN 3.5.3 Meteorological observations and reports

Table GEN 3.5.3 Meteorological observations and reports

Name of station/ Location indicator	Type and frequency of observations/ automatic observing equipment	Types of MET reports and availability of trend forecasts	Observation system and site(s)	Hours of operation	Climatological information
1	2	3	4	5	6
Walvis Bay International Airport FYWB	Hourly routine Observation, Automatic	METAR and SPECI	Complete observation station 80m S MID	H24 0300-1900	Climatological tables AVBL
Eros Airport FYWE	Hourly routine Observation, Automatic	METAR and SPECI	Complete observation station 123,5m W THR 19	H24 0300-1900	Climatological tables AVBL

Hosea Kutako International Airport FYWH	Hourly routine Observation, Automatic	METAR and TREND	Complete observation station 70.2m N THR 26 and Wind 72.6 W THR 08	H24 0300-1900	Climatological tables AVBL
FYGF	Hourly routine Observation, Automatic	METAR and SPECI	Complete observation station 297 W THR 08	H24 0300-1900	NIL
FYOA	Hourly routine Observation, Automatic	METAR and SPECI	Complete observation station 137m E THR 08	H24 0600-1500	NIL
FYRU	Hourly routine Observation, Automatic	METAR and SPECI	Complete observation station 120m E MID	H24 0600-1500	NIL
FYKM	Hourly routine Observation, Automatic	METAR and SPECI	Complete observation station 56m S THR 09	H24 0600-1500	NIL
FYLZ	Hourly routine Plus/Special Observation, Automatic	METAR	Complete observation station 190m E MID	H24	NIL
FYKT	Hourly routine Observation, Automatic	METAR and SPECI	Complete observation station 160m E THR 04	H24 0300-1900	NIL
FYOG	Half Hourly routine Plus/Special Observation, Automatic	METAR and SPECI	Automated Observation system 300m NW of THR 02	H24	NIL

GEN 3.5.4 Types of services

Briefing

Flight documentation available for operators and flight crew members (TAF, SIGMET, AIRMET, GAMET, SPECI and METAR).

Winds at different levels are also provided plus significant weather charts and take off data information.

GEN 3.5.5 Notification required from operators

One hour for domestic flights.

More than five hours for non-scheduled international flights.

Three hours for scheduled international flights.

GEN 3.5.6 Aircraft reports

NIL

GEN 3.5.7 VOLMET Service

Name of station	CALL SIGN / IDENT / Abbreviation (EM)	Frequency	Broadcast period	Hours of service	Aerodromes / Heliports included	REP, SIGMET INFO, FCST & Remarks
1	2	3	4	5	6	7
Oranjemund	Oranjemund VOLMET (A3E)	123.50 MHz	0530-1100 and 1200-1430	0530-1100 and 1200-1430	Oranjemund	METAR and SPECI

GEN 3.5.8 SIGMET and AIRMET service

Table GEN 3.5.8 SIGMET and AIRMET service

Name of MWO/ location indicators	Hours	FIR or CTA served	Validity	Specific SIGMET procedures	AIRMET procedures	ATS unit served	Additional information
1	2	3	4	5	6	7	8
Hosea Kutako FYWF	H16	Windhoek FIR	4	WS-VALIDITY 4 VA VALIDITY 6	ISSUED DURING DAY TIME ONLY 0400-1800	ACC FIC ATC	NIL

1. General

SIGMET and AIRMET is provided by the designated MWO. The designated MWO maintains a 16 hour meteorological watch over the FIR. (Table GEN 3.5 – 4 and GEN 3.5 – 5) and issue SIGMET in accordance with the provisions in ICAO Annex 3. SIGMET for volcanic ash is based on advisory information received from the volcanic ash advisory center (VAAC). SIGMET is issued whenever the following weather conditions occur or are expected to occur:

- a) Thunderstorm, or
- b) turbulence, or
- c) icing, or
- d) dust storm, or

- e) sandstorm, or
- f) volcanic ash radioactive cloud

The criteria for issuance of SIGMET is consistent with the provisions of ICAO Annex 3. AIRMET is issued whenever the following weather conditions occur and in accordance with the criteria defined in ICAO Annex 3:

- a) surface wind speed, or
- b) surface visibility, or
- c) thunderstorms, or
- d) mountain obscuration, or
- e) cloud, or
- f) icing, or
- g) turbulence, or
- h) mountain wave.

SIGMET and AIRMET are cancelled whenever the observed or expected weather information no longer exist or is no longer expected.

2. Meteorological Watch Office

The meteorological watch is performed by FYWH

The MWO issue SIGMET and AIRMET information in accordance with Annex 3, Chapter 7.

3. Aerodrome warnings

Aerodrome warnings for the protection of parked aircraft or of other equipment at the airport are issued at FYWH MWO if one or several of the following phenomena are expected to occur at the airport:

- a) strong surface winds and gusts
- b) thunderstorm
- c) hail
- d) frost
- e) hoar frost or rime

The aerodrome warnings are issued in English and are distributed in accordance with a distribution list agreed upon locally.

4. Dissemination of SIGMET/AIRMET

SIGMET and AIRMET information in both text and graphical formats are available on request at MWO. AFTN SIGMET/AIRMET information to aircraft in flight is disseminated by the ATS unit responsible for the FIR.

GEN 3.5.9 Other automated meteorological services

NIL