

 <p>NAMIBIA CIVIL AVIATION AUTHORITY</p>	<p>REPUBLIC OF NAMIBIA NAMIBIA CIVIL AVIATION AUTHORITY AIRAC AIP SUPPLEMENT</p>	<p>Executive Director Namibia Civil Aviation Authority Private Bag 12003 Ausspannplatz WINDHOEK</p>
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GEN 3.5 METEOROLOGICAL SERVICES

Effective date: 16 May 2024
Validity: PERM

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

<i>Name of station/ Location indicator</i>	<i>Type & frequency of observation/ automatic observing equipment</i>	<i>Types of MET reports & availability of trend forecasts</i>	<i>Observation system & site(s)</i>	<i>Hours of operation</i>	<i>Climatological information</i>
1	2	3	4	5	6
Walvis Bay International Airport FYWB	Hourly routine Observation, Automatic	METAR	Complete observation station 300m W THR 19	H24 BTN 0500-1200 1300-2100	Climatological tables AVBL
Eros Airport FYWE	Hourly routine Observation, Automatic	METAR	Complete observation station 123,5m W THR 19	H24 BTN 0500-1200 1300-2100	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	0500-2100	Climatological tables AVBL
FYGF	Hourly routine Observation, Automatic	METAR	Complete observation station 300m W THR 19	H24 BTN 0500-1200 1300-2100	Nil
FYOA	Hourly routine Observation, Automatic	METAR	Complete observation station 300m W THR 19	H24 BTN 0500-1700	Nil
FYRU	Hourly routine Observation, Automatic	METAR	Complete observation station 300m W THR 19	H24 BTN 0800-1700	Nil
FYKM	Hourly routine Observation, Automatic	METAR	Complete observation station 300m W THR 19	H24 BTN 0800-1700	Nil
FYLZ	Hourly routine Plus/Special Observation, Automatic	METAR	Complete observation station 300m W THR 19	H24	Nil
FYKT	Hourly routine Observation, Automatic	METAR	Complete observation station 300m W THR 19	H24 BTN 0500-1200 13:00-2100	Nil
FYOG	Half Hourly routine Plus/Special Observation, Automatic	METAR 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, ARFOR, SPECI and METARS).

Winds at different levels are also provided plus significant weather charts, to operators and flight crew members.

Take off data information is also provided on request: telephonically, fax or personally.

GEN 3.5.5 Notification required from operators

One hour for internal flights.

Anything above 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

Nil

GEN 3.5.8 SIGMET and AIRMET service

Table GEN 3.5.8 SIGMET and AIRMET service

<i>Name of MWO/ location indicators</i>	<i>Hours</i>	<i>FIR or CTA served</i>	<i>Validity</i>	<i>Specific SIGMET procedures</i>	<i>AIRMET procedures</i>	<i>ATS unit served</i>	<i>Additional information</i>
1	2	3	4	5	6	7	8
Hosea Kutako FYWF	H16	Windhoek FIR	4	WS-VALIDITY 4 TC/VA VALIDITY 6 Any Sigmet information required (e.g. thunder storms, strong winds, severe turbulence)	ISSUED DAY TIME ONLY 0400-1600 No volcanic ash nor tropical cyclones over Namibia but hints are given to outgoing international flights if the area's to be visited are recognized to be with tropical cyclones or volcanic ash	WE ACC FIC ATC Hosea Kutako Tel: (062) 702490/1/2/3	Nil

1. General

SIGMET and AIRMET is provided by the designated MWO. The designated MWO maintains a 16 hours 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
- b) turbulence
- c) icing
- d) duststorm
- e) sandstorm
- 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
- b) surface visibility
- c) thunderstorms
- d) mountain obscuration
- e) cloud
- f) icing
- g) turbulence
- 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

The meteorological watch is performed by FYWF

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 by all aerodrome meteorological offices, if one or several of the following phenomena are expected to occur at the airport:

- strong surface winds and gusts¹
- thunderstorm
- hail
- frost²
- hoar frost or rime
- snow

— freezing precipitation

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 AFTN (FAPRYMYX) and also on the website: <https://aviation.weathersa.co.za>. 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