

GEN 3.5 METEOROLOGICAL SERVICES

1 Responsible service

The meteorological services for civil aviation are provided by .

National Meteorological Centre
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The service is provided in accordance with the provisions contained in the following ICAO documents:

Annex 3 - *Meteorological Service for International Air Navigation*
Doc 7030 - *Regional Supplementary Procedures*

Differences to these provisions: NIL

2 Area of responsibility

Meteorological service is provided within the terminal control area of Male' International Airport, Gan International airport and the control zones of Gan, Kadhdhoo, Kaadedhdhoo and Hanimaadhoo Airports.

3 Meteorological observations and reports

Table GEN 3.5.3 Meteorological observations and reports

<i>Name of station/ Location indicator</i>	<i>Type and frequency of observation/ automatic observing equipment</i>	<i>Types of MET reports & Supplementary information included</i>	<i>Observation System and Site(s)</i>	<i>Hours of operation</i>	<i>Climatological information</i>
1	2	3	4	5	6
MALE' International / VRMM	Hourly plus special observation / NIL	METAR, SPECI TREND	Cup Anemometer 150m FM RWY Centre line	H24	Climatological tables AVBL
GAN / Gan International / VRMG	Hourly plus special observation / NIL	METAR, SPECI TREND	Cup Anemometer on top of the control tower	H24	Climatological tables AVBL
KADHDHOO / VRMK	Hourly plus special observation / NIL	METAR, SPECI Suppl: NIL	Cup Anemometer on top of the control tower	H24	Climatological tables AVBL
HANIMAADHOO / VRMH	Hourly plus special observation / NIL	METAR, SPECI Suppl: NIL	Cup Anemometer on top of the control tower	H24	Climatological tables AVBL

Table GEN 3.5.3 Meteorological observations and reports

KAADEDHDHOO / VRMT	Hourly plus special observation / NIL	METAR, SPECI Suppl: NIL	Cup Anemometer on top of the control tower	0000 -1500	Climatological tables AVBL
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4 Types of services

4.1 Routine observations (METAR /SPECI) are issued daily 24 hours in Male' and Gan.In Hanimaadhoo , these reports are issued normally at 0000 - 1800 UTC and in Kadhdhoo and Kaadehdhoo at 0000 - 1500 UTC.

TAF, En-route weather Forecast for Take-off, Met Folder, SIGMET and Aerodrome Warnings for Male' International and domestic airports are provided by the National Meteorological Centre at Male' International Airport.

Personal briefing and consultation for flight crew members are provided only at Male' / International. For all other aerodromes, consultation is available by telephone.

Flight documentation provided to operators comprise of a significant weather chart, an upper wind / temperature charts, latest available aerodrome forecasts for destination and alternate aerodromes and a copy of the latest satellite picture.

Upper wind / temperature charts at different levels plus low - medium/ high level significant weather charts, satellite picture, METAR / SPECI, TAF and SIGMET for Male' International and domestic are available on NMC's website www.meteorology.gov.mv

5 Notification required from operators

Notification from operators in respect of briefing, consultation, flight documentation and other meteorological information needed by them (ref. ICAO Annex 3, 2.3) is normally required for all flights at least 2 hours before the expected time of departure.

6 Aircraft reports

Pursuant to ICAO Annex 3, 5.3.1 the making and transmission of aircraft reports (AIREP) are required at the following ATS reporting points:

BIBGO
UBKIN
ELKEL

The ATS / MET reporting points in respect of routes crossing FIR / UIR are indicated on pages ENR 3.1-1, ENR 3.1-2 and ENR 3.1-3

7 VOLMET service

VOLMET service is presently not available.

SIGMET service**Table GEN 3.5.7 SIGMET service**

<i>Name of MWO/ location indicators</i>	<i>Hours</i>	<i>FIR or CTA served</i>	<i>Type of SIGMET/validity</i>	<i>Specific procedures</i>	<i>ATS unit served</i>	<i>Additional information</i>
1	2	3	4	5	6	7
MALE' International / VRMM	H24	Male', Gan, Kadhdhoo, Kaadedhdhoo & Hanimaadhoo CTR	SIGMET / 4HR	NIL	MALE' ACC	NIL

7.1 General

For the safety of air traffic, the Meteorological Authority maintains an area meteorological watch and warning service. This service consists partly of a continuous weather watch within the FIR and the issuance of appropriate information (SIGMET) by the Meteorological Watch Office and partly of the issuing of warnings for the respective aerodromes.

7.2 Area meteorological watch service

The area meteorological watch service is performed by the National Meteorological Centre (NMC) at Male' International Airport.

The NMC issue information in the form of SIGMET messages about the occurrence or expected occurrence of one or more of the following significant meteorological phenomena:

- thunderstorms¹
- tropical cyclone
- severe turbulence
- severe icing

The SIGMETs are issued in abbreviations and plain language using ICAO abbreviations and are numbered consecutively for each day commencing at 0001. Their period of validity is generally limited to less than 4 hours from the time of transmission.

The NMC transmit SIGMETs issued by themselves, as well as SIGMETs of adjacent MWOs to Male' ACC and, upon agreement to other control centres of the region.

7.3 Warning service

Warnings for the protection of parked and moored aircraft or of other equipment at the airport are issued by the National Meteorological Centre, if one or more of the following phenomena are expected to occur at the airport:

- squall²
- thunderstorm

Differences from these criteria have to be agreed upon locally.

The warnings are issued in English and are distributed in accordance with a distribution list which has to be agreed upon locally.

5 Other automated meteorological services

Table GEN 3.4.5 Other automated meteorological services

<i>Service Name</i>	<i>Information available</i>	<i>Area, route and aerodrome coverage</i>	<i>Telephone, telex and Telefax numbers, Remarks</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
"Dial Weather"	Forecast surface winds, significant weather and sea conditions	The entire territory of Maldives	171

- 1- Area of widespread cumulonimbus clouds or cumulonimbus along a line squall with little or no space between individual clouds, or cumulonimbus embedded in cloud layers or obscured by haze.
- 2- The warning is designated as "storm warning" and will be issued when the mean surface wind speed is expected to exceed 34 kt (Beaufort Scale 8) or when gusts in excess of 41 kt (Beaufort Scale 9) are expected to occur.