

APPENDIX C-

AFI ANP, VOLUME II

PART V – METEOROLOGY (MET)

1. INTRODUCTION

1.1 This part of the **AFI** ANP, Volume II, complements the provisions in the ICAO SARPs and PANS related to aeronautical meteorology (MET). It contains dynamic plan elements related to the assignment of responsibilities to States for the provision of MET facilities and services within a specified area in accordance with Article 28 of the *Convention on International Civil Aviation* (Doc 7300); and mandatory requirements related to the MET facilities and services to be implemented by States in accordance with regional air navigation agreements. Such agreement indicates a commitment on the part of the States concerned to implement the requirements specified.

2. GENERAL REGIONAL REQUIREMENTS

Meteorological offices

2.1 In the **AFI** Region, meteorological watch offices (MWO) have been designated to maintain continuous watch on meteorological conditions affecting flight operations within their area(s) of responsibility, as indicated at **Table MET II-1.**

Meteorological observations and reports

2.2 In the **AFI** Region, routine observations, issued as a METAR, should be made throughout the 24 hours of each day at intervals of one hour at aerodromes as indicated in **Table MET II-2.** For aerodromes included on the HF VOLMET broadcast as indicated in **Table MET II-3,** routine observations, issued as METAR, should be made throughout the 24 hours of each day.

2.3 At aerodromes that are not operational throughout 24 hours, METAR should be issued at least 3 hours prior to the aerodrome resuming operations in the **AFI** Region.

2.4 In the AFI Region, information on the runway surface condition should be included as supplementary information in the METAR and SPECI as indicated in Table MET II-2

Forecasts

2.5 In the **AFI** Region, an aerodrome forecast, issued as a TAF, should be for the aerodromes indicated in **Table MET II-2.**

2.6 In the **AFI** Region, the period of validity of a routine TAF should be of 9-, 24-, or 30-hours to meet the requirements indicated in **Table MET II-2.**

2.7 In the AFI Region(s), landing forecasts (prepared in the form of a trend forecast) should be provided at aerodromes indicated in **Table MET II-2.**

Requirements for and use of communications

2.8 Operational meteorological information prepared as METAR, SPECI and TAF for aerodromes indicated in **Table MET II-2**, and SIGMET messages prepared for flight information regions or control areas indicated in **Table MET II-1**, should be disseminated to the international OPMET databanks designated for the **AFI** Region (namely **Dakar and Pretoria** of OPMET databanks) and to the centre designated for the operation of the aeronautical fixed service satellite distribution system (SADIS) and the Internet-based service (Secure SADIS FTP) in the **AFI** Region.

2.9 SIGMET messages should be disseminated to other meteorological offices in the **AFI** Region **in accordance with the AFI meteorological bulletin exchange scheme (AMBEX)**.

2.10 Special air-reports that do not warrant the issuance of a SIGMET should be disseminated to other meteorological offices in the **AFI** Region **in accordance with the AFI meteorological bulletin exchange scheme (AMBEX)**.

2.11 In the **AFI** Region, meteorological information for use by aircraft in flight should be supplied through VOLMET broadcasts.

2.12 In the **AFI** Region, the aerodromes for which METAR, SPECI and SIGMET are to be included in VOLMET broadcasts, the sequence in which they are to be transmitted and the broadcast time, is indicated in **Table MET II-3**.

3. SPECIFIC REGIONAL REQUIREMENTS

Meteorological observations and reports

3.1 In the AFI region, meteorological information additional to that contained in Table MET II-2 required by States during the pilgrimage season is indicated in **Table MET II-4**.

TABLE MET II-1 - METEOROLOGICAL WATCH OFFICES

EXPLANATION OF THE TABLE

Column

- 1 Location of the meteorological watch office (MWO)
- 2 ICAO location indicator, assigned to the MWO
- 3 Name of the FIR, UIR and/or search and rescue region (SRR) served by the MWO

- 4 ICAO location indicator assigned to the ATS unit serving the FIR, UIR and/or SRR
- 5 X if the MWO in column 2 issues and disseminates WV SIGMET
- 6 X if the WMO in column 2 issues and disseminates WC SIGMET
- 7 X if the WMO in column 2 issues and disseminates WS SIGMET

Note: The MWOs in italic are located out of the AFI Region

TABLE MET II-2 - AERODROME METEOROLOGICAL OFFICES

EXPLANATION OF THE TABLE

Column

- 1 Name of the State where meteorological service is required
Note: The name is extracted from the ICAO Location Indicators (Doc 7910) updated quarterly. If a State wishes to change the name appearing in Doc 7910 and this table, ICAO should be notified officially
- 2 ICAO location indicator of the aerodrome.

- 3 Designation of AOP aerodrome:
RG - international general aviation, regular use
RS - international scheduled air transport, regular use
RNS - international non-scheduled air transport, regular use
AS - international scheduled air transport, alternate use
ANS - international non-scheduled air transport, alternate use
- 4 Name of the aerodrome meteorological office responsible for the provision of trend and aerodrome forecasts in TAF code at the aerodrome indicated in column 1
Note: A secondary meteorological office may be included if the primary meteorological office is closed part of the 24-hour period or a specific day of the week. Offices responsible under exceptional (e.g. back-up) conditions should not be listed.
- 5 ICAO location indicator of the responsible meteorological office
- 6 Requirement for trend forecasts, where:
Y – Yes, required
- 7 Requirement for aerodrome forecasts in TAF code, where
C - Requirement for 9-hour validity aerodrome forecasts in TAF code (9H)
T - Requirement for 18/24-hour validity aerodrome forecasts in TAF code (18/24H)
X - Requirement for 30-hour validity aerodrome forecasts in TAF code (30H)
- 8 Availability of OPMET information (METAR/SPECI and TAF), where:
F – Full availability : OPMET information as listed issued for the aerodrome all through the 24-hour period
P – Partial availability: OPMET information as listed not issued for the aerodrome for the entire 24-hour period
N - None : No OPMET information being issued
- 9 Requirement for information on the state of the runway provided by the appropriate airport authority to be included as supplementary information in METAR/SPECI from the aerodrome concerned, where:
Y –Required

TABLE MET II-3 – VOLMET BROADCASTS

EXPLANATION OF THE TABLE

The transmitting station appears at the top of each block.

Names in lower case letters indicate aerodromes for which METAR, SPECI and SIGMET are required.

AFI SPECIFIC REGIONAL REQUIREMENTS

TABLE MET II-4 - EXCHANGE OF OPERATIONAL METEOROLOGICAL INFORMATION DURING THE PILGRIMAGE SEASON

EXPLANATION OF THE TABLE

Column

- 1 Name of the State in which the operational meteorological information should be available
- 2 Location from which the operational meteorological information is required
- 3 TF — Aerodrome forecasts, where
X — Seasonal requirement
- 4 RF — Route forecasts, where
X — Seasonal requirement

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