

AFI ANP, VOLUME I**PART V – METEOROLOGY (MET)****1. INTRODUCTION**

1.1 This part of the **AFI** ANP constitutes the agreed regional requirements considered to be the minimum necessary for effective planning and implementation of aeronautical meteorology (MET) facilities and services in the **AFI** Region and complements the provisions of ICAO Standards, Recommended Practices and Procedures (SARPs) related to MET. It contains stable plan elements related to the assignment of responsibilities to States for the provision of MET facilities and services within the ICAO **AFI** region 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.

1.2 The dynamic plan element related to the assignment of responsibilities to States for the provision of MET facilities and services and the mandatory requirements based on regional air navigation agreements related to MET are contained in the **AFI** ANP Volume II, Part V - MET.

1.3 The **AFI** ANP Volume III contains dynamic/flexible plan elements related to the implementation of air navigation systems and their modernization in line with the ICAO Aviation System Block Upgrades (ASBUs) methodology and associated technology roadmaps described in the Global Air Navigation Plan. The Aviation System Block Upgrades (ASBUs) modules are aimed at increasing capacity and improving efficiency of the aviation system whilst maintaining or enhancing safety level, and achieving the necessary harmonization and interoperability at regional and global level. This includes the regionally agreed ASBU modules applicable to the specified ICAO region/sub-region and associated elements/enablers necessary for the monitoring of the status of implementation of these ASBU modules.

Standards, Recommended Practices and Procedures

1.4 The Standards, Recommended Practices and Procedures (SARPs) and related guidance material applicable to the provision of MET are contained in:

- *Annex 3 - Meteorological Service for International Air Navigation; and*
- *Regional Supplementary Procedures (Doc 7030);*
- *Handbook on the IAVW (Doc 9766);*
- *Manual on Volcanic Ash, Radioactive Material and Toxic Chemical Clouds (Doc 9691); and*
- *Manual of Aeronautical Meteorological Practice (Doc 8896).*

2. GENERAL REGIONAL REQUIREMENTS***World area forecast system (WAFS) and meteorological offices***

2.1 In the **AFI** Region, WAFS, **London** has been designated as the centre for the operation of the aeronautical fixed service satellite distribution system / WAFS Internet File Service (SADIS and/or WIFS) and the Internet-based Secure SADIS FTP service. The status of implementation of SADIS/WIFS by States in the **AFI** Region is detailed in Volume III.

2.2 In the **AFI** Region, WAFS products in digital form should be disseminated by WAFS, **London** using the SADIS 2G satellite broadcast and the Secure SADIS FTP service and/or WIFS.

Volcanic Ash

2.3 Volcanic ash advisory centre (VAAC), **Toulouse** has been designated to prepare volcanic ash advisory information for the **AFI** Region, as indicated below. The status of implementation of volcanic ash advisory information is detailed in Volume III.

AFI VAAC: Toulouse VAAC

2.4 Selected State volcano observatories have been designated for notification of significant pre-eruption volcanic activity, a volcanic eruption and/or volcanic ash in the atmosphere for the **AFI** Region to their corresponding ACC/FIC, MWO and VAAC, as indicated at **Table MET I-1**. The status of implementation of volcano observatory notice for aviation (VONA) is detailed in Volume III.

Tropical Cyclone

2.5 Tropical cyclone advisory centre (TCAC), **La Reunion** has been designated to prepare tropical cyclone advisory information for the **AFI** Region, as indicated below. The status of implementation of tropical cyclone advisory information is detailed in Volume III.

AFI TCAC: La Reunion

3. SPECIFIC REGIONAL REQUIREMENTS

3.1 **TBD (if necessary)**

TABLE MET I-1 - STATE VOLCANO OBSERVATORIES

Explanation of the Table

Column

- 1 Name of the State responsible for the provision of a volcano observatory
- 2 Name of the volcano observatory