

## AFI AIR TRAFFIC MANAGEMENT/METEOROLOGY (AFI ATM/MET) TASK FORCE

### TERMS OF REFERENCE

#### 1. Terms of Reference

1.1 Under guidance from ICAO Secretariat:

- a) Evaluate the current and future requirements for MET in support of ATM in the AFI Region and update Regional Air Navigation Plan accordingly and provide guidance material to assist States to develop MET services to meet these requirements;
- b) Assess aviation meteorological services, systems and architecture in the region and how they can integrate weather information into decision support tools;
- c) Review and update the AFI Volcanic Ash Contingency Plan (VACP) and monitor VACP exercises;
- d) Investigate sub-regional exchange of MET information and associated agreements that facilitate ATM operations particularly over busy routes that overlap different FIRs;
- e) Promote coordination between MET and ATM communities in the AFI Region to enhance the level of understanding of MET requirements and capabilities in support of ATM;
- f) Monitor global policy associated with source data and delivery of MET products for ATM;
- g) Coordinate with MET/SG and ATM/AIS/SAR/SG on framework for contingency plan for specific phenomenon including volcanic ash, radioactive cloud, tropical cyclone and Tsunami with reference to developments made WMO scientific steering committee;
- h) Report to the MET/SG Sub-group of APIRG for further co-ordination through the ICAO Secretariat with other relevant bodies.

1.2 The objective being to improve efficiency of ATM and airlines by providing tailored regional MET products needed to optimize flight routes in all weather conditions.

1.3 The Benefits will be to increase efficiency – save time and fuel as well as reduce carbon emissions.

#### 2. Work Programme

2.1 The work to be addressed by the AFI ATM/MET Task Force includes:

- a) Develop regional MET requirements for ATM by:
  - conducting MET/ATM meetings (TF meetings, Seminars) to contribute in developing MET requirements for ATM;
  - analyzing existing ATM/MET surveys and develop new surveys, when necessary, to determine regional ATM requirements for MET;
  - recommending regional MET requirements for ATM to MET/SG Meetings;
  - Determining regional MET requirements for ATM.

- b) Developing methods to use weather information in decision support tools;
- c) Review and update the AFI Volcanic Ash Contingency Plan (VACP) by:
  - Regularly updating the VACP through new requirements from the IAVWOPSG
  - Conducting annual VACP exercises or AFI ATM/MET Volcanic Ash Exercises (VAEX/AFI);
  - reporting on annual VAEX/AFI to MET/SG meetings.
- d) Develop sub-regional exchange of MET information to facilitate ATM operations by:
  - Encouraging States develop agreements on the exchange of MET information that provides benefits to ATM operations on sub-regional level;
  - Encouraging States report developments to MET/ATM TF and MET/SG meetings;
  - Developing sub-regional exchange of MET information to facilitate ATM operations in busy routes.
- e) Develop regional implementation plan for Meteorological Service for Terminal Area (MSTA) by:
  - Monitoring developments of MSTA (pending approval at conjoint ICAO/WMO Divisional meeting 2014);
  - Monitoring ICAO Annex 3 developments (requirements for MSTA);
  - Developing regional implementation plan for MSTA ;
  - Monitoring regional implementation of MSTA;
  - Reporting implementation progress to MET/SG.
  - Developing regional implementation plan for Meteorological Services for the Terminal Area.
- f) Monitor global policies associated with source data and delivery of MET products for ATM by:
  - monitoring global policies associated with source data and delivery of MET products for ATM ;
  - reporting results to MET/SG meetings;
  - monitor global policies associated with source data and delivery of MET products for ATM.

### **3. Composition**

3.1 The Task Force is composed of experts from:

- a) South Africa, Senegal, France, Kenya, Gambia and Morocco.
- b) Representatives of VAAC Toulouse, ASECNA, IATA, IFALPA and WMO are expected to participate in the work of the Task Force.

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