



**World Meteorological Organization**  
**Organisation météorologique**  
**mondiale**

**Temps • Climat • Eau**  
**Weather • Climate • Water**

**COMMISSION FOR AERONAUTICAL**  
**METEOROLOGY**

**OFFICE OF THE PRESIDENT**

C.M. Shun  
Permanent Representative of  
Hong Kong, China with WMO  
Hong Kong Observatory  
134A Nathan Road  
Kowloon, Hong Kong  
Hong Kong, China

Tel.: + 852.2926.8221  
Fax: + 852.2721.6557  
E-mail: cmshun@hko.gov.hk

Our ref.: WDS/MAP/AN/CAeM

GENEVA, 1 March 2012

Annex: 1 (available in English only)

Subject: Commission for Aeronautical Meteorology - Top-Level Priorities

Dear Colleagues,

With reference to Resolution 53 of the Sixteenth World Meteorological Congress (Cg-XVI) deciding that the WMO Aeronautical Meteorology Programme is a high-priority programme, and the outcomes of the Meeting of Presidents of Technical Commissions (PTC-2012), Geneva, 30 January-1 February 2012 and the Joint Meeting of the Presidents of Technical Commissions and Regional Associations (PTC/RA), Geneva, 1 February 2012, I would like to highlight a number of priority items requiring your kind attention.

Firstly, I would like to refer you to the updated CAeM 2012-15 Operating Plan in the Annex, which describes the following five top-level priorities with associated key outcomes (KOs):

- (a) **Meteorological Services to Air Traffic Management (MSTA) and Meteorological Information Exchange (MIE) (M&M)** – to develop a proposal of M&M for adoption by the conjoint WMO CAeM session/ICAO MET Divisional Meeting in 2014;
- (b) **Competency Assessment of Aeronautical Meteorological Personnel (AMP)** – Members' implementation of competency assessment of AMP by late-2013;
- (c) **Quality Management System (QMS) of Aeronautical Meteorological Service** – Members' implementation of QMS in compliance with ICAO Annex 3 by late-2012;
- (d) **SIGMET deficiencies** – to reduce current deficiencies of all types of SIGMET by Meteorological Watch Offices (MWOs);
- (e) **Volcanic ash, space weather and nuclear events monitoring and forecasting** – to define minimum integrated observation and science requirements for adoption by the conjoint WMO CAeM session/ICAO MET Divisional Meeting in 2014.

To: Presidents of regional associations (P.RA-1740)  
Vice-presidents of regional associations

cc: Permanent Representatives of Members of WMO )  
Members of the Commission for Aeronautical Meteorology ) (for information)  
Presidents and vice-presidents of other technical commissions )

To achieve these top-level priorities, CAeM will need your support and cooperation in providing your current plans and progress updates relating to (b), (c) and (d) above. Without this information, it will not be possible for CAeM to coordinate the necessary activities, assistance, training and support to meet your specific needs for implementation. In this connection, the chair of the CAeM Implementation Coordination Team (ICT), Mrs Marina Petrova (e-mail: [petrovamv@mail.ru](mailto:petrovamv@mail.ru)), is formulating a "CAeM Benchmarking Survey" to obtain the necessary information from all Members. **The cooperation of Permanent Representatives of Members to provide the required inputs to the Survey and the kind support of the RA presidents to assist CAeM to collect the necessary information from the Regions will be greatly appreciated.**

Only the common knowledge and awareness of the baseline status of programme implementation can ensure that timely, targeted and effective assistance could be provided to Members on the implementation of QMS of aeronautical meteorological service. CAeM intends to make full use of the newly developed Country Profile Database (<http://www.wmo-sat.info/~wisuser/cpdb/>) to categorize the implementation status and plans of Members, as communicated to the programme, in a colour scheme with four levels, as follows:

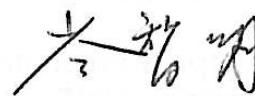
- 1) GREEN = Member with successful implementation in place;
- 2) YELLOW = Member with partial implementation or at least concrete plans with budgets and resources (financial, human, infrastructure) in place;
- 3) RED = Member has not taken significant steps towards implementation;
- 4) WHITE = Member has not responded to requests for information.

Again, I would like to emphasize that the provision of targeted, and thus economical and efficient support to assist Members' implementation of QMS will make direct reference to the above scheme, viz. the support will be prioritized and tailored for those Members with YELLOW and RED status. Subject to the outcomes of the above, similar displays of Members' implementation will be considered for competency assessment and SIGMET provision.

At the Joint PTC/RA meeting mentioned above, we also received feedback from a couple of regional associations (RAs) indicating that the communication between this Commission and RAs needs to be improved, despite the efforts of the ICT in the past year to contact the RA presidents and the numerous training activities provided to these regions. In this connection, I would like to **request the full cooperation of the RA presidents to provide me with the contact information of your existing/new regional focal points on aeronautical meteorological matters, aviation team leaders or working group chairs** to ensure effective two-way communication of your Members' requirements, implementation status and plan between the RAs and CAeM.

Your kind assistance and cooperation on the above matters will be greatly appreciated.

Yours sincerely,



(C.M. Shun)  
President, CAeM

# WORLD METEOROLOGICAL ORGANIZATION

=====

WDS/MAP/AN/CAeM, ANNEX

## CAeM 2012-15 – TOP LEVEL PRIORITIES OPERATING PLAN

No	Activities	Deliverables	Prog or Initiative	ER	KO 2015	KPI	KPT 2015	Decisions Expected from EC
1	<p>Collection of examples of best practices of MSTa from Members</p> <p>Analysis of user needs, information provision in ICAO PT-Marie and response to ICAO defined requirements</p> <p>Met capability demonstration</p> <p>V&amp;V using initial set of performance metrics agreed with ICAO, followed by gap analysis</p> <p>CAeM representation especially on MSTa elements into the WMO CBS Aviation XML Task Team and the PT-Marie</p>	<p>Catalogue of best practices examples of MSTa (MET Services to ATM)</p> <p>Completion of the MSTa requirements analysis in coordination with ICAO</p>	<p>ET-M&amp;M</p> <p>ET-GP</p> <p>ET M&amp;M</p> <p>ET M&amp;M</p>	1, 2, 3	Proposal for M&M put forward to conjoint WMO/ICAO Meeting in 2014	Level of acceptance by ICAO groups or bodies	Adoption of M&M proposals at the conjoint meeting for inclusion in Annex 3, PANS-MET, and relevant guidance documents	Support of formulated proposal of M&M before putting forward to conjoint WMO/ICAO Meeting in 2014.
2	<p>Development and publishing of competence assessment toolkit (Completed)</p> <p>Members' surveys and coordination with RAs to determine needs/gaps in cooperation with EC WG ET</p> <p>Mapping of SLC and training resources on <a href="http://www.caem.wmo.int/moodle/">http://www.caem.wmo.int/moodle/</a> Website; Promote Website in support of Members with difficulties to achieve competence</p> <p>Prepare Agenda/</p>	<p>AMP competency assessment toolkit made available to Members</p> <p>Training workshops provided across WMO RAs to develop plans for competency assessment of AMP</p> <p>Members supported in implementing competency assessment</p>	<p>ET-ETC</p> <p>CAeM-ICT</p> <p>CAeM/ITC with ET/ETC</p>	1, 2, 6,	Members establish plans for competency assessment of AMP (2012)	Number of Members with evidence for AMP Competence Standards assessed	100 by 2013-12-31 189 by 2015-12-31 (info from RAs)	Provision of additional assistance, if necessary, to facilitate Members' implementation of AMP Competence Standards assessment

ANNEX, p. 2

	Documentation for Workshops and ET meetings							
3	<p>Establish new QMS Website: Task completed Posting of examples of best practice from Members (<i>ongoing</i>)</p> <p>Members' surveys in coordination with RAs to determine needs/gaps; To be finalized after TT-QMS/2</p> <p>Provide facilitators/resources for QMS workshops</p> <p>Preparation and documentation of ICT/E/GP meetings</p>	QMS guidance/ TAF verification guidance/ examples of best practice/ pilot projects/ website(s)/ workshops	<p>CAeM-ICT</p> <p>ET-GP</p> <p>ET-ETC</p> <p>TT-QMF</p>	1, 2, 6	Members' implementation of QMS in compliance with ICAO Annex 3, Amendment 75 data delivered by ET-GP in cooperation with RAAEM subgroups	Number of Members compliant	100 for 31/12/13,150 for 31/12/15 (Members' survey)	Provision of additional assistance, if necessary, to facilitate Members' implementation of QMS for aeronautical meteorological services.
4	<p>Cooperation with ICAO METWSG by ET-GP: Provide briefing for Sec representative</p> <p>P/CAeM to establish communication to Members/Contracting States to urge better compliance</p> <p>Collection of examples of best practice from Members in how to resolve non-compliance issues</p> <p>Liaison/ coordination with CBS/RAs and ICAO on data formatting/ exchange/content quality issues by M&amp;M</p> <p>Communication of the analysis of regional SIGMET advisory trial results to RA's/ PRs ,request to improve or delegating (P/CAeM)</p> <p>Development/ organization of pilot projects/workshops/</p>	SIGMET training resources	<p>ET-GP</p> <p>CAeM-ICT</p> <p>ET-ETC</p> <p>ET-M&amp;M</p>	1, 2, 6	Reduction of current deficiencies in issuance, regional coordination, coding and content quality of all types of SIGMET	No of States with SIGMET related deficiencies	Significant reduction in number of SIGMET deficiencies by 31/12/13	Support of formulated proposals to reduce current deficiencies in SIGMETs

## ANNEX, p. 3

	website							
5	<p>Development of VASAG priorities with ICAO IVATF/IAVWOPSG</p> <p>Contribute requirements to CBS and GAW work on nuclear monitoring/threshold</p> <p>Contribute to CBS work on space weather service user requirement</p> <p>Preparation of next WMO Int Workshops on VA with VASAG</p> <p>Liaison and coordination with CBS/RAs and ICAO on data formatting/exchange/content quality issues by M+M</p> <p>Training/education and guidance materials</p>	VA/space wx/nuclear obs and science guidance/templates/examples of best practice/workshops	<p>VP</p> <p>ET-GP</p> <p>CAeM-ICT</p> <p>ET-ETC</p> <p>ET-M&amp;M</p>	1,2,6	Definition of minimum integrated VA/space wx/nuclear obs and science requirements	Level of support from ICAO groups, CBS and GAW	Adoption of proposals at the conjoint meeting for inclusion in ICAO publications	Support of formulated proposals on VA/space wx/nuclear obs and science requirements before putting forward to the conjoint WMO/ICAO meeting in 2014