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| **World Meteorological Organization**  **COMMISSION FOR AERONAUTICAL METEOROLOGY**  **1st Meeting of ET-CCP** St. Petersburg, Russian Federation 16 to 18 May 2016 | **ET-CCP-1/Doc. 2.2** |
| Submitted by: Secretariat  11.V.2016 |

**AGENDA ITEM 2.2: RELEVANT RECENT DEVELOPMENTS – WMO AND ICAO**

1. **SUMMARY FOR INCLUSION IN THE FINAL REPORT**
   1. **WMO developments**

*Congress*

* + 1. The meeting was informed of the decisions of the WMO 17th Congress (25 May-12 June 2015) related to the aeronautical meteorology programme and CAeM. These decisions are contained in the Resolutions 1, 3 and 66 of Cg-17 (see INF.3).
    2. Cg-17 reconfirmed the aeronautical meteorology as one of the WMO strategic priorities. The priority tasks of the aeronautical meteorology programme and, respectively, of the CAeM for the financial period 2016 - 2019, were defined as follows:
  1. Accelerating the implementation of ICAO/WMO competency and qualification standards and QMS;

* 1. Addressing the emerging institutional and technological challenges associated with the ICAO Global Air Navigation Plan; and,
  2. Strengthening the sustainability and competitiveness of aeronautical meteorological service provision through improved cost recovery mechanisms and suitable business models for service delivery frameworks.

*Executive Council*

* + 1. The meeting noted the aviation-related documents submitted to EC-68 (June 2016) and the expected decisions by the EC which will give further directions to CAeM and its expert teams (see EC-68 AeM documents: d06-1, d06-2, d13 on <http://ec-68.wmo.int/>)
    2. A side event on aviation-related matter is also planned during EC-68.

*CAeM*

* + 1. The CAeM Management Group updated the ToRs of all Expert teams and aligned them with the main directives given by Cg-17 (see INF.1).
    2. The meeting noted that four CAeM ETs have conducted their first face-to-face meeting during 2015: ET-ISA and ET-ASC had a conjoint meeting in Toulouse from 30 March to 1 April 2015 (<http://www.wmo.int/aemp/node/61>) , and ET-ETC and ET-GOV had their conjoint meeting in Wellington, New Zealand, from 30 November to 3 December 2015 (<http://www.wmo.int/aemp/ET-ETC/GOV-2015>). These conjoint meetings allowed for better coordination of the ET’s work programmes and deliverables in order to avoid duplication.
    3. Tasks that need coordination with ET-CCP include:
       - The survey on governance and business models;
       - The information bulletin – to inform the community of the CAeM activities.

*Regional Associations*

* + 1. Several RAs called for organizing regional awareness events. ET-CCP should play an important role in this regard (*further discussed under agenda item 4.1*)
  1. **ICAO developments**
     1. The meeting noted information about the forthcoming meetings of the ICAO MET panel groups:
     + WG-MIE: 23-27 May 2016, Paris, France
     + WG-MOG: 13-16 June 2016, Gatwick, UK
     + AG1-MCRGG: 4-6 July 2016, Geneva
     + WG-MISD: 11-13 July 2016, Montreal, Canada
     + WG-MRI: 13-15 July 2016, Montreal, Canada
     + METP/2: 17-21 October 2016, Montreal, Canada
     1. The MET Panel groups have been working intensively on preparing ConOps and roadmaps for all major areas of aeronautical meteorological services. Draft provisions for Amendment 79 (2018) are also being prepared. The meeting noted in particular the developments related to the regionalization of the information for meteorological hazards and for the migration to the XML/GML.

1. **ACTION/PLANS/RESPONSIBILITIES WITH DELIVERABLES**

*(to be agreed during the meeting)*

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| **TEAM**  **ET-CCP-1/Doc. 3.1/ANNEX** | | | | |
| **Commission** | **WMO Commission for Aeronautical Meteorology (CAeM)** | | | |
| **Expert Team on** | Expert Team on Communication, Coordination and Partnership (ET-CCP) | | | |
| **Start Date / End Date** | August 2014 | | 2018 | |
| **Stakeholders** | NMHS Aviation Weather Services/Aviation Industry/Regional Aviation TTs/Sub-groups/ ICAO MET Panel/  ICAO PIRGs/WMO CAeM MG | | | |
| **Team** | **Name** | **Organization / Country** | | **E-mail** |
| **Chair / Co-chairs** | Marina Petrova  Gaborekwe Khambule | Roshydromet, Russian Federation  SAWS, South Africa | | [petrovamv@mail.ru](mailto:petrovamv@mail.ru)  [gaborekwe.khambule@weathersa.co.za](mailto:gaborekwe.khambule@weathersa.co.za) |
| **Core Members** | Boon Leung Choy  Ishiyaku Ibrahim  Kaspar Bucher-Studer  Cammye Sims-Uskievich,  Truusje S. Warsodikromo | Hong Kong Observatory, Hong Kong, China  Nigerian Meteorological Agency, Nigeria  MeteoSwiss, Switzerland  NOAA/NWS, USA  Meteorological Service, Suriname | | [blchoy@hko.gov.hk](mailto:blchoy@hko.gov.hk)  [i\_ishiyaku@yahoo.com](mailto:i_ishiyaku@yahoo.com)  [kaspar.bucher@meteoswiss.ch](mailto:kaspar.bucher@meteoswiss.ch)  [cammye.sims-uskievich@noaa.gov](mailto:cammye.sims-uskievich@noaa.gov)  [Wtruus98@gmail.com](mailto:Wtruus98@gmail.com) |

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| **DESCRIPTION** | |
| **Objective** | Close liaison with regional/sub-regional aviation task teams/subgroups and partner organizations, including ICAO and IATA; coordination of meteorological service improvements and institutional changes to meet the AeM priority areas and in the light of the ICAO GANP and ASBU-related developments at the regional, sub-regional and territorial levels. |
| **Background** | The Expert Team on Communication, Coordination and Partnership (ET-CCP) succeeded the Implementation Coordination Team (MG-ICT) through the restructuring of the Commission for Aeronautical Meteorology at its fifteenth session (CAeM-XV) held in Montreal, Canada, from 15 to 16 July 2014. The ET-CCP in the new CAeM structure for the period 2014-2018 would coordinate an encouraging response from the Commission to the requests for advice and guidance, enabling the Regional Associations to align their Strategic Operating Plans with the recommendations made at the ICAO/WMO Conjoint meeting in Montreal, including ICAO GANP and ASBU implementation**.** Monitoring and evaluation (M&E) tools throughout the WMO Regions/sub-regions would be used by ET-CCP to identify gaps/challenges in the Members in meeting the requirements for enhanced meteorological service delivery arising from the GANP and ASBU strategies. |
| **Terms of Reference** | (a) To promote and maintain effective two-way communication mechanisms on matters relating to aeronautical meteorology with Members through the Regional Associations to determine regional priorities, promote awareness of developments, opportunities and challenges, and to coordinate appropriate responses to requests for advice and guidance;  c) To establish an effective mechanism for monitoring and evaluation (M&E) of the CAeM work programme in the Regions as an integral part of the WMO M&E system;  (d) To provide support to the Secretariat in developing and updating relevant Aeronautical Meteorological Programme database entries, e.g. Country Profile database;  (e) To facilitate WMO gender and equality policies within CAeM. |

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| **Communication Strategies** | | | | |
| **Description** | **Target Audience** | **Delivery Method** | **Frequency / Date** | **Responsibility** |
| **Work Plan** | CAeM MG/ET-CCP/ | Document via email | An yearly update from June 2015 to be continued by annual reviews | ET-CCP co-chairs |
| **General correspondence** | CAeM MG/ET-CCP | Email | As required | CAeM MG/ET-CCP |
| **Team Meetings** | CAeM ET-CCP | Teleconference | As required, quarterly since March 2015 | ET-CCP co-chairs |
| **Team Meetings** | CAeM ET-CCP | Face-to-face meetings  Possibly back-to-back with RA meetings | As scheduled by CAeM MG | CAeM MG |
| **Reports** | CAeM MG | Reports via emails/ presentations for MG meetings | As scheduled by CAeM MG | ET-CCP co-chairs |
| **Final Report** | CAeM-16 | Working paper/presentation | End-2017 | ET-CCP co-chairs |

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| **MILESTONES / WORKPLAN** | | | | | |
| **Milestone / Activity / Task** | **ET**  **TORs** | **Accountability** | **Deliverables** | **Dates** | **Status** |
| **ACTIVITY 1: UPDATES OF WORK PLAN** | | | | | |
| *Milestone 1.1: Consolidated Work Plan* |  | *MG & ET-CCP* | *Availability of work plan on the CAeM web-site* | *30 Sep 2014* |  |
| Task 1.1 : Update ET-CCP work plan |  | ET-CCP co-chairs | Annual updates | Starting from June 2015 |  |
| **ACTIVITY 2: COORDINATION WITH REGIONAL ASSOCIATIONS (RAS) & PARTNER ORGANIZATIONS, INCLUDING ICAO & IATA** | | | | | |
| *Milestone 2.1: Updates on meteorological service improvements and institutional changes arising from the ICAO GANP and ASBU* |  | *ET-CCP members* | *Six-monthly updates* | As required |  |
| Task 2.1: Cooperate/liaise with the regional aviation task teams/subgroups & ICAO METP WGs/PIRGs |  | Marina  Gabo | Intermediate reports on current activities &proposals on future enhanced relations | Continuously | On-going |
| Task 2.2: Make inputs to relevant regional/sub-regional group work plans |  | Marina  Gabo | Feedback from WMO/ICAO aviation WGs/TTs & further detailed plans | As required |  |
| Task 2.3: Update on the on-going changes in the MET service delivery at the regional, sub-regional and territorial levels |  | CM, Ian, Dimitar, Marina, Gabo | Information exchange via emails | As scheduled |  |
| Task 2.4: Involve WMO regional/ ICAO METP experts for better communication/response |  | Dimitar, Marina, Gabo | List of contact MET focal points/collection & consolidation of information on current & future status of MET service provision | As required |  |
| Task 2.5: Identify regional AeM gaps/challenges, including those related to GANP/ASBU implementation, through questionnaires, gap analysis & RA/ICAO METP liaison experts |  | CM, Ian, Dimitar, Marina, Gabo | Analysis of RA status/progress reports | Q1 2016  Q2 2017 |  |
| Task 2.6: Identify the on-going pilot projects on the enhanced meteorological service delivery in support of the GANP & ASBU implementation at the regional, sub-regional and territorial levels |  | CM, Ian, Dimitar, Marina, Gabo | Updates on current pilot projects/Analysis of available results | Annually |  |
| Task 2.7: Provide assistance at the request of the Members to launch relevant pilot projects in support of the GANP & ASBU implementation & further gap analysis of available technological, financial & human resources for GANP & ASBU implementation |  | CM, Ian, Dimitar, Marina, Gabo | Involvement of relevant WMO/ICAO aviation experts & sharing of outcomes | Annually |  |
| Task 2.8: Provide detailed advice & guidance to RA management groups via CAeM experts, inter alia, for the organization of GANP and ASBU-related workshops and development of pilot projects |  | CM, Ian, Dimitar, Marina, Gabo | Involvement of WMO/ICAO competent aviation experts | As required |  |
| **ACTIVITY 3: COORDINATION/COLLECTION OF BEST PRACTICE EXAMPLES IN REGIONS** | | | | | |
| *Milestone 3.1: Availability of best practice examples in* *enhanced meteorological service delivery in support of the GANP/ASBU implementation & establishment of SWIM environment on caem.wmo.int website* |  | *Dimitar, Marina, Gabo* | Collection of success stories/best practices per regions/sub-regions | As required |  |
| Task 3.1: Identify, collect and share among the Members examples of best practice in enhanced meteorological service delivery & pilot projects to meet the ICAO/WMO SARPs in the AeM key areas and in support of the GANP/ASBU implementation |  | MG, ET-CCP members | Exchange of examples between the regions/sub-regions | Continuously |  |
| Task 3.2: Facilitate sharing of best practice examples among the Members |  | Dimitar, Scylla, Marina, Gabo | List of liaison experts | Q4 2016 |  |
| Task 3.3: Provide support to the Secretariat in developing & updating relevant AeM-related databases |  | Dimitar, Marina, Gabo | Sharing of relevant information | As required |  |
| **ACTIVITY 4: PROMOTION OF SOCIAL JUSTICE ISSUES** | | | | | |
| *Milestone 4.1: Coordination of equality and gender specific actions across the Regions* |  | *ET-CCP members* | *Collection of best practices* | *Continuously* |  |
| Task 4.1: Provide guidance and direction for Members on gender-specific actions in the areas of governance, employment, service delivery, monitoring and evaluation |  | Marina, Gabo, Assia Alexieva (Secretariat) | Sharing of best practice examples | As required |  |
| Task 4.2: Communicate to the Regional Associations & Secretariat on gender mainstreaming solutions |  | Marina, Gabo, Assia Alexieva (Secretariat) | Sharing of WMO specific gender policy docs | As required |  |
| Task 4.3: Contribute to the conduct of regional questionnaires on gender mainstreaming activities in the RAs |  | Marina, Gabo, Assia Alexieva (Secretariat) | Gap analysis | Q1 2016 |  |
| **ACTIVITY 5: COORDINATION WITHIN ET-CCP AND WITH MG** | | | | | |
| *Milestone 5.1: Interactions with MG and between ET-CCP members* |  | *CM, Ian, Dimitar, Marina, Gabo* |  | *2014-2018* |  |
| Task 5.1: Provide progress reports |  | ET-CCP co-chairs | Consolidated progress report | As required |  |
| Task 5.2: Pool & share inputs between the ET members, representing the WMO six Regions |  | ET-CCP members | Information papers during telecons | Quarterly |  |
| Task 5.3: Make input to organization and conduct of ET-CCP teleconferences |  | Marina, Gabo, Dimitar | Agreed agenda, IPs | Quarterly |  |
| **ACTIVITY 6: INPUTS TO WMO COUNTRY PROFILE DATABASE (CPD)** | | | | | |
| *Milestone 6.1: AeMP entries to* WMO Country Profile Database (CPD) |  | *CM, Ian, Dimitar, Marina, Gabo* | *Sharing of updates* | As required |  |
| Task 6.1: Coordinate CAeM inputs to develop & update relevant databases in AeMP for the WMO Country Profile Database (CPD) |  | CM, Ian, Dimitar, Marina, Gabo | Collection and communication of relevant information | If requested |  |
| Task 6.2: Provide support to the Secretariat in developing & updating relevant AeM-related databases |  | Dimitar, Marina, Gabo | Sharing of relevant information | As required |  |