

WORLD METEOROLOGICAL ORGANIZATION

CIMO/TT-AO-1/Doc. 5

**COMMISSION FOR INSTRUMENTS AND METHODS OF
OBSERVATION**

(12.II.2014)

**TASK TEAM ON AIRCRAFT-BASED OBSERVATIONS
(TT-AO)
Session 1**

ITEM: 5

Geneva, Switzerland, 18-20 February 2014

Original: ENGLISH ONLY

REPORTING TO CIMO

(Submitted by the Secretariat)

Summary and purpose of document

To provide the task team with information regarding requirements for reporting on the activities of the team to the OPAG and CIMO management groups and to CIMO.

ACTION PROPOSED

The Task Team is invited to consider the information provided in the document and address the action that is required to be taken.

References:

1. CIMO Meetings: <http://www.wmo.int/pages/prog/www/IMOP/meetings.html>
2. CIMO-MG-XI Document Plan: <http://www.wmo.int/pages/prog/www/IMOP/meetings/MG-11/MG-11-Docplan.html>

REPORTING TO CIMO

Background

It is a requirement of each CIMO team to report to CIMO through the OPAG Standardization and Intercomparison (OPAG-SI) Co-chairs and the CIMO Management Group.

The next CIMO session, CIMO-XVI, will take place over 10 - 16 July 2014, St.-Petersberg (Russian Federation).

Ahead of CIMO-XVI, the CIMO Management Group, CIMO-MG, will meet over 10 - 14 March 2014, Payerme (Switzerland) - CIMO Management Group, Eleventh Session.

Requirements of the Task Team

Specifically, the Team should undertake the following activities and provide the associated deliverables to meet the requirements for reporting to CIMO:

1. Provide a report to CIMO-MG-XI through the OPAG Co-chairs (Document 2.2. of CIMO-MG-XI) that has the following elements:
 - a. A recommendation with justification on whether or not TT-AO should continue to be active over the next CIMO inter-sessional period (2015-18);
 - b. A recommendation on whether the team should continue as a task team or become an Expert Team;
 - c. Revised Terms of Reference (see Annex I for current ToR) for the Team; and
 - d. A recommendation on whether or not the Theme Leads on Aircraft Measurements should continue to be active over the next inter-sessional period (ToR are provided in Annex II); and
2. Assist and provide requested input to the OPAG-SI Co-chairs in provision of the required documentation to CIMO-XVI based on the outcomes of the decisions of CIMO-MG-XI in relation to 1.

In undertaking item 1 b., the team should consider paragraph 12 of Annex to Resolution 2 (CIMO-XV)

Task Teams

12. Task teams are small groups of experts that can be established to address a specific issue. They are established either directly by the Management Group (reporting directly to the Management Group), or by the Management Group upon recommendation of an expert team chair. They work independently of the rest of the expert team and can include members that are not core members of the expert team. They are normally short-lived and report to the Management Group via the expert team chair if established under the supervision of an expert team. They normally work by correspondence and a meeting may be considered at the time of finalization of their mandate.

In undertaking item 2, the team should consider the elements of the reporting template that the OPAG Co-chair is required to address in reporting to CIMO-MG, as provided in Annex III.

Terms of Reference of the Task Team on Aircraft-based Observations

1. Develop and manage the workplan and associated activities of the TT-AO, as well as the budget for the corresponding expenditure of the AMDAR Trust Fund in line with the Trust Fund's Terms of Reference, in collaboration with CBS ET-Aircraft-Based Observations.
2. Oversee the scientific and technical development and maintenance aircraft-based observing systems, from a point of view of instruments and methods of observation, and inform the Commission of latest developments.
3. Work closely with ET-A1 in conducting the development and maintenance of technical standards associated with aircraft-based observations, and provision of related specifications to meet user requirements.
4. Provide the technical review of approved aircraft-based humidity capabilities.
5. Liaise closely with ET-A3 for testing and validation of the AMDAR system and aircraft based humidity sensors.
6. Provide input for updates of the CIMO Guide relevant to aircraft-based observations, including identification of standards for inclusion in the CIMO Guide and other WMO regulatory documents.
7. Assist and provide support for training and outreach activities to support the use of aircraft-based observations.

Terms of Reference for Theme Leader on Aircraft Measurements

1. Provide technical review of approved aircraft based humidity capabilities.
2. Liaise closely with ET-A3 for testing and validation of the AMDAR system and aircraft based humidity sensor.
3. Provide input to future updates to the CIMO Guide relevant to aircraft based observations, including identification of standards for inclusion in the CIMO Guide.
4. Work closely with ET-A1 for the development and provision of specifications and standards for aircraft based observation systems in order to meet user requirements.
5. Communicate to the Commission the latest development in AMDAR and other aircraft based observational platforms.

**REPORT ON PROGRESS, RECOMMENDATIONS AND FUTURE ACTIVITIES OF CIMO
EXPERT TEAM/THEME LEADER**

1. INTRODUCTION

1.1 ...
...

2. ACHIEVEMENTS WITH RESPECT TO WORKPLANS

[Short summary, relevant additional information can be put in the Appendices]

2.1 ...

3. PROBLEMS ENCOUNTERED, RISKS IDENTIFIED

3.1 ...

4. SPECIFIC REPORTS REQUESTED BY MG

[Fill-in only if specific reports had been requested by CIMO-MG]

4.1 ...

5. RECOMMENDATIONS

[Include here recommendations that require actions or decisions from CIMO-16]

5.1 The following recommendations are submitted by ET/TL... to CIMO-XVI

-

6. TOPICS FOR FUTURE WORK PLAN AND EXPECTED ASSOCIATED DELIVERABLES

[include draft workplan 2014-18 in Annex III]

-