



World Meteorological Organization  
Organisation météorologique mondiale

Secrétariat

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Weather • Climate • Water  
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Our ref.: OBS/OSD/AMDAR TF-Contr-2015

GENEVA, 10 February 2015

Subject: Contribution to the AMDAR Panel Trust Fund

Dear Sir/Madam,

You will recall that the Aircraft Meteorological Data Relay (AMDAR) observing system is now a fully operational component of the Global Observing System (GOS) of the WMO World Weather Watch Programme. WMO programmatic responsibility for ongoing maintenance and further development of AMDAR is the responsibility of two WMO expert teams, namely the Commission for Basic Systems (CBS) Expert Team on Aircraft-Based Observing Systems (ET-ABO) and the Commission for Instruments and Methods of Observations (CIMO) Expert Team on Aircraft-based Observations (ET-AO), together referred to as the Aircraft-Based Observations Programme (ABOP).

These teams and their work programmes and activities continue to be supported by the AMDAR Trust Fund under agreed and approved Terms of Reference<sup>1</sup>.

The ABOP teams have developed a comprehensive strategy and a work plan and budget<sup>2</sup> that are based on the actions relevant to aircraft-based observations and AMDAR from the CBS Implementation Plan for Evolution of the Global Observing Systems<sup>3</sup>.

During 2014, the ABOP coordinated and completed work towards the following activities and outcomes:

- (a) Held a meeting of the CIMO ET-AO, Geneva, Switzerland, February 2014;
- (b) Developed draft Aircraft-Based Observations Regional Implementation Plans for each WMO Region;
- (c) Collaborated with UCAR/COMET to produce the online learning module: *Introduction to AMDAR*;
- (d) Updated the AMDAR Onboard Software Functional Requirements Specification (AOSFRS) to version 1.1 as CIMO Instruments and Observing Methods (IOM) Report 115;

<sup>1</sup> See: [http://www.wmo.int/pages/prog/www/GOS/ABO/documents/AMDAR\\_TF\\_ToR\\_Jan2013\\_Approved.pdf](http://www.wmo.int/pages/prog/www/GOS/ABO/documents/AMDAR_TF_ToR_Jan2013_Approved.pdf)

<sup>2</sup> See: [http://www.wmo.int/pages/prog/www/GOS/ABO/ABO\\_Work\\_Program.html](http://www.wmo.int/pages/prog/www/GOS/ABO/ABO_Work_Program.html)

<sup>3</sup> See WIGOS Technical Report 2013-04, Implementation Plan for the Evolution of Observing Systems (EGOS-IP): [http://www.wmo.int/pages/prog/www/WIGOS-WIS/technical\\_reports.html](http://www.wmo.int/pages/prog/www/WIGOS-WIS/technical_reports.html)

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-6819)

cc: President of CBS )  
President of CIMO ) (for information)  
Chairperson CBS/ET-ABO )  
Chairperson CIMO/ET-AO )

- (e) Worked with the Aeronautical Airlines Electronic Engineering Committee (AEEC) to specify the ARINC 620 Meteorological Report Version 6, which supports AMDAR air-ground communications;
- (f) Advanced the revision and development of new guidance and regulations for AMDAR to be included in WMO technical regulations;
- (g) Employed the AMDAR Development Officer (half-time) to assist the ABOP with planning and activities related to global AMDAR programme development; and
- (h) Compiled and distributed volumes 7 and 8 of the WMO AMDAR Observing System Newsletter.

***Contribution to the AMDAR Trust Fund***

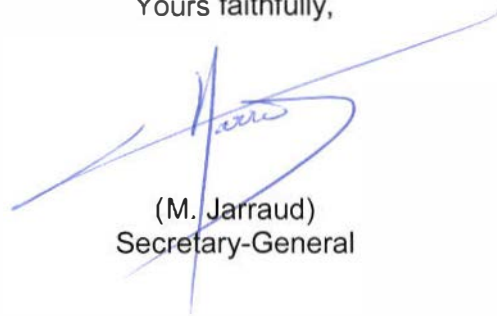
In line with Resolution 3 (Cg-XVI), you are invited to provide financial support to the AMDAR Trust Fund so as to ensure ongoing support for technical development and capacity-building related to AMDAR, in particular for the following very important activities associated with the Aircraft-Based Observations Programme:

- (a) AMDAR software development;
- (b) Global data coverage improvement;
- (c) Ongoing and new consultancy work on various matters including: Global AMDAR Programme Development and the Study on Current & Future Communications & Technology Impact on AMDAR;
- (d) Attendance at aviation standards forums and other meetings;
- (e) Holding of technical workshops, seminars and meetings supporting national and regional AMDAR development; and
- (f) Establishment of a global aircraft-based observations Data Center.

Alternatively, you may wish to consider providing support for specific ongoing activities in the Aircraft-Based Observations work programme.

I would be most grateful for an indication of whether your country will contribute to the AMDAR Trust Fund for the period 2015 in support of aircraft-based observations programme activities and the related projects and initiatives. In the affirmative, an early indication of the amount that you may be able to contribute to the Trust Fund or other support that you are prepared to offer would be much appreciated.

Yours faithfully,



(M. Jarraud)  
Secretary-General