

WORLD METEOROLOGICAL ORGANIZATION

ET-AIR-3 and AMDAR Panel-14/Doc.4.2.2

(25.10.2011)

**JOINT MEETING:
CBS EXPERT TEAM ON AIRCRAFT BASED
OBSERVATIONS
(Third Session)
AND
AMDAR PANEL
(Fourteenth Session)**

ITEM: 4.2

Original: ENGLISH ONLY

(QUEBEC CITY, CANADA, 2-4 NOVEMBER 2011)

Global AMDAR Programme Development

International AMDAR Programme Development, Including Regional Programme Development
Projects

(Submitted by AMDAR Panel Chairman)

Summary and purpose of document

To provide information on the current status of the High Priority
Projects and to recommend a way forward regarding Panel
support to national and regional AMDAR Programmes

ACTION PROPOSED

1. The Panel is invited to note the information contained in the document.
2. The Panel is invited to consider the recommendations made in the document.

References:

1. Final Reports AMDAR Panel Meeting and Joint Meetings ET-AIR and AMDAR Panel
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DRAFT TEXT FOR INCLUSION IN THE FINAL REPORT

Status of the High Priority Pilot Projects

1. In the past the AMDAR panel has agreed to administer several High Priority Pilot Projects, for which the majority of these the Panel was not able to find a leader.
2. In particular the Coordination of National and Regional Programmes remains without the services of a new leader.
3. For the project on Improvement in Data Exchange and Quality Control, a Coordinator was found and status reports are made available showing that progress is being made.
4. For the North Africa and Western Asia Pilot Project a Leader was identified (Morocco) but no progress has been reported.
5. The South-West Pacific Pilot Project has no specific Leader, but in close cooperation between Météo France and the Australian Bureau of Meteorology the development of an AMDAR Programme in New Caledonia through Air Vanuatu could be arranged.

Proposed way forward

6. General coordination of a (high priority) project requires a high amount of resources, particularly in the form of leadership and the time of a dedicated person to liaise with the appropriate contacts and organizations, for which the Panel has been unable to provide.
7. Experience has shown the Panel that national and/or regional AMDAR programmes are more likely to be successfully established when assistance is provided by the Panel on an individual basis as requested and required, particularly when there is evidence that there is strong interest and technical feasibility on the part of the NMHS and a national airline.
8. In support of this approach to assisting AMDAR programme development generally, it is expected that the Panel will undertake studies to determine how best to use its resources.
9. It is therefore proposed that the ET-AIR/AMDAR Panel only supports and coordinates national and/or regional AMDAR programme developments on an individual and case-by-case basis and therefore closes the item High Priority Pilot Projects.

Recommendations

1. **Recommendation 1:** The Coordination of National and Regional Programmes, the North Africa and Western Asia Pilot Project and the South-West Pacific Pilot Project will be closed;
 2. **Recommendation 2:** The project on the Improvement in Data Exchange and Quality Control is considered to become part of the ET-AIR Workplan and will be continued;
 3. **Recommendation 3:** The AMDAR Panel will support and coordinate individual national and regional AMDAR Programmes as requested by AMDAR Panel members and within the recourses available.
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APPENDIX 1

1. Coordination of National and Regional Programmes

No ToR could be found.

2. Improvement in Data Exchange and Quality Control

TERMS OF REFERENCE FOR THE WMO AMDAR PANEL COORDINATOR FOR THE IMPROVEMENT IN DATA EXCHANGE AND QUALITY CONTROL

The goal of the AMDAR Panel shall be to enhance the upper-air component of the Global Observing System of the World Weather Watch through cooperation among Members in the acquisition, exchange and quality control of meteorological observations from aircraft using automated reporting systems. Recognizing a fundamental principle of WMO to broaden and enhance the free and unrestricted international exchange of data and noting the increasing availability of aircraft platforms with suitable sensors, avionics and communication systems.

To target the AMDAR Panel's Terms of Reference the Coordinator for the Improvement in Data Exchange and Quality Control shall:

1. Promote the exchange and dissemination of all appropriate automated meteorological reports from aircraft through the Global Telecommunication System and other systems as appropriate;
2. Promote the dissemination, exchange and use of information on AMDAR data availability and quality among Members and data providers with a view to initiating appropriate corrective action;

Activities

To achieve these goals, the Coordinator for the Improvement in Data Exchange and Quality Control shall undertake the following activities:

1 Data Exchange

- Assess present data exchange among Members and end-users;
- Review requirements for exchange; and
- Develop recommendations for exchange.

2 Quality Control

- Assess present quality control activity by Members and end-users;
- Review requirements for quality control; and
- Develop recommendations for quality control.

10. North Africa and Western Asia Pilot Project

Actions (Panel-11):

APPENDIX 1

- Establish a new pilot project that encompasses the North African and Western Asia regions. This would involve examining training, implementing and/or extending the national efforts in the region with the aim of developing a Regional AMDAR Programme.
- Contact regional focal points for their input into the development of regional AMDAR Programme for North Africa and Western Asia.

The Eleventh Session of the AMDAR Panel agreed to close the Middle East Pilot Project and establish the North African and Western Asian Pilot Project. The Panel Chairman has been contact with the Morocco Meteorological Service who have expressed their interest in establishing a National AMDAR Programme as well as undertaking the role of Project Leader for the new North African and Western Asian Pilot Project (Panel-12)

11. South-West Pacific Pilot Project

Action (Panel-11):

- Establish a new pilot project that encompasses areas of the South-West Pacific. This would involve examining training, implementing and/or extending the national efforts in the region with the aim of developing a Regional AMDAR Programme. That existing AMDAR Programmes in that region (Australia and New Zealand) be encouraged to extend the coverage of their national programmes in the region.