

WORLD METEOROLOGICAL ORGANIZATION

ET-AIR-3 and AMDAR Panel-14/Doc.4.5.3

(24.X.2011)

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

ITEM: 4.5

Original: ENGLISH ONLY

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

PROJECTS, PLANNING AND WORK PROGRAMME

AMDAR Documentation Training and Outreach

Aviation Industry Interaction

(Submitted by the Secretariat)

SUMMARY AND PURPOSE OF DOCUMENT

To provide a summary of discussion industry that took place at the AMDAR Panel Preparatory Meeting, De Bilt, July 2011, on the issue of AMDAR Panel interaction with the aviation industry.

ACTION PROPOSED

1. The Joint Meeting is invited to note the information contained in the document.
-

BACKGROUND FROM AMDAR PANEL PREPARATORY MEETING, DE BILT, JULY 2011

Following summarises the discussions and outcomes from the De Bilt Planning Meeting, July 2011 relating to AMDAR Panel interaction with Aviation industry bodies.

AEEC Sub-Committees

AEEC DataLink Systems Sub-Committee

1. SO/ARO should represent the Panel at the AEEC Data Link Sub Committee meetings as and when necessary.
2. SO/ARSO represent the Panel at the AEEC DLK SC meeting in New Jersey, October 2011.

AEEC DataLink Users Forum

Dean Lockett (SO-ARSO) and Stig Carlberg represent the Panel at the Data Link Users Forum Meeting in September 2011 in Brussels.

FAA, NextGen

Request that Panel USA Member is formally requested to represent the Panel at NextGen meetings in the USA as appropriate and as resources allow and provide reports on matters of relevance to the Panel.

RTCA <http://www.rtca.org/>

The origins and purposes of this organization were unclear to the Preparatory Meeting. It was pointed out that Andrew Mirza represents the UK MetOffice to the RTCA Sub-committee on meteorological applications and should be contacted to seek advice on whether the Panel should be represented to the RTCA. Andrew Mirza informed that the RTCA has strong links with both AEEC and NextGen and that he will provide information to the Panel on any issues of relevance.

Panel Interaction with Airbus

The Preparatory Meeting discussed the progress that had been made in recent years in developing a strategy and a proposal for the integration of AMDAR specifications and software into the engineering and factory implementation processes of Airbus so as to enable the optional inclusion of both AMDAR software and WVSS sensor in any Airbus factory delivery to prospective Airlines. This development culminated in Airbus providing a quotation to the Panel for such a development to proceed and lead to the Panel, through WMO, contacting Panel Members to ascertain the level of support to meet the costs and Airbus contacting Airlines to ascertain their level of interest in these options (early 2007).

The results of this were that the Panel was unable to raise the necessary capital to meet the costs of one or both of the software and WVSS integration options within Airbus.

Since 2007, the project continued to progress through E-AMDAR, EUMETNET via involvement in the European Union COMET project.

This COMET project resulted in a positive position regarding the relevance of implementing AMDAR and WVSS in Airbus aircraft. The follow-up of this project has however made limited progress since

June 2010. The meeting discussed future strategy for reinvigorating this project and suggested that it may be appropriate to develop a business case document that can be presented to NMHSs and possibly airlines to engage their interest in financial support for the integration proposal and costing developed with Airbus. This would also necessitate an approach to Airbus to refresh and update their proposal and quotation.

As the E-AMDAR Programme has an instruction to co-operate with Airbus Stig Carlberg was asked to report back to the Panel any relevant news about Airbus.

Boeing

Since Michael Berechree's initial attendance at a meeting with Boeing in early 2010, the Panel has been represented to Boeing by the USA through Carl Weiss and David Helms. The meeting decided that this arrangement should continue and that the USA should be requested to report on Boeing in relation to matters that may affect the AMDAR Programme.

Also discussed was the recent suggestion that Boeing was in the process of developing a strategy for the retention and use of meteorological data as a corporate commercial strategy, which is of great concern to the AMDAR community, although it was recognized that it also does have the potential to be beneficial if the meteorological community works with Boeing.

ICAO

ICAO had in the past been represented to the Panel by Mr Olli Turpeinen who has recently retired.

The meeting confirmed that the Panel should seek to revive the previous strong relationship with ICAO that has waned somewhat since the cessation of the MetLink Study Group. The Panel should work with Herbert Puempel to find a way to renew the interest of ICAO in Panel activities and investigate a means for having AMDAR Panel representation in ICAO activities.

Others

- IATA: Hans-Rudi Sonnanend represents IATA to the Panel as an Associate Member.
 - EuroControl: Frank Grooters informed the meeting that Dennis Hart has represented EuroControl to the Panel. The meeting suggested that EuroControl should be invited to attend Panel Meetings as an Observer or Associate Member.
 - SESAR (Single European Sky ATM Research): The Meeting discussed the Panel's representation to SESAR activities and it was decided that Stig Carlberg should be formally requested to attend SESAR meetings as appropriate and report to Panel.
-