

WORLD METEOROLOGICAL ORGANIZATION

CIMO/TT-AO/Doc. 3.8

**COMMISSION FOR INSTRUMENTS AND METHODS
OF OBSERVATION**

(11.02.2014)

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

ITEM: 3.8

Geneva, Switzerland, 18-20 February 2014

Original: ENGLISH ONLY

**PROGRESS REPORT ON TT-AO TASK
MONITOR AND REPORT ON IMPACT ASSESSMENT RESULTS OF TAMDAR HUMIDITY AND
OTHER PARAMETERS BY UK MET OFFICE**

(Submitted by Gilles Fournier)

Summary and purpose of document

This document provides an update on the activities and planning of activities related to TT-AO Task 14: Monitor and report on impact assessment results of TAMDAR humidity & other parameters by UKMO.

ACTION PROPOSED

The Meeting is invited to read, comment and offer suggestions on information presented.

References: 1. E-mail communication with Met Office (Steve Stringer)

Monitor and report on impact assessment results of TAMDAR humidity & other parameters by UK Met Office

Introduction

This document describes the activities and planning of activities related to the monitoring and reporting on impact assessment results of TAMDAR humidity and other parameters by UK Met Office.

Progress up to 12 February, 2014

The main point of contact to obtain progress on this project is Steve Stringer from Met Office, E-AMDAR Program Manager.

There has been no progress with the TAMDAR install on the FAAM BAe146 (for test & comparison with the WVSS-II already installed). From schedule obtained from British Aerospace the Met Office now expects the earliest installation not likely until the May 14th, 2014 maintenance slot.

For the Flybe TAMDAR data, as of the end of January 2014 Panasonic had 4 TAMDAR sensors installed on the Flybe ERJ-190s. Panasonic is also looking to install on the Q400s once they have an STC. Potential roll out to the whole Flybe fleet would be 100+ aircraft. Met Office continues to monitor the Flybe data and compare against model (O-B) for analysis of biases and TAMDAR data are being statistically characterized.

Met Office has license to use data in R&D mode only and will need permission from Panasonic to publish papers. If all goes well full analysis should be completed by end 2014. Full report is expected in mid-2015 at the earliest.

Regarding Icelandair Panasonic expects installations to begin in mid-to-late 2014 with the entire 27 B757 fleet equipped by May 2015.

Planning

1	Establish contact on the Flybe/TAMDAR implementation from Panasonic (Neil Jacobs) and UKMO (NWP, DA and MetDb teams)	Q4 2013
2	Monitor process and status of the Flybe/TAMDAR Implementation through contacts at E-AMDAR (Steve Stringer and Stewart Taylor). Get copies of internal reports if possible.	Q4 2013
3	Prepare draft report on Flybe/TAMDAR assessment.	Q4 2014
4	CIMO TT-AO team comment and review period.	Q4 2014
5	Publish and deliver to CIMO.	Q2 2015