WORLD METEOROLOGICAL ORGANIZATION

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

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

ET-AIR-3 and AMDAR Panel-14/Doc.3.4.1(10)

(11.X.2011)
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ITEM: 3.4

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AMDAR PROGRAMME STATUS

Status Reports on National and Regional AMDAR Programmes

Established AMDAR Programmes

Status Report of the AMDAR Programme in the Republic of Korea

(Submitted by the Republic of Korea)

Summary and purpose of document

This document provides information on the activities and plans for the Republic of Korea's AMDAR Programme.

ACTION PROPOSED

1.   The Panel is invited to note the information contained in the document.

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1.   **PROGRESS/ACTIVITY REPORT**

Current Status:

1.   The Korea Meteorological Administration (KMA) has implemented the AMDAR programme since December 2006 with the completion of the AMDAR data processing system, and began to disseminate AMDAR data in FM94 BUFR format via WMO's Global Telecommunication System (GTS) in June 2007.

2.   KMA is currently receiving AMDAR data from 19 Korean aircrafts (14; Korean Air, 5; Asiana Airlines) with AMDAR observations being transmitted via GTS.

Airlines	Model	Number	Operation
Korean Air	B744	3	International
	B737	11	Regional / Domestic
Asiana Airlines	A320	5	Regional / Domestic

Development and other Activities:

3.   Since November 2008, KMA has been transmitting flight-level data in pressure-altitude format relative to QNH in accordance with AMDAR reference.

4.   Asiana Airlines has participated in Korean AMDAR programme, and began to disseminate AMDAR data via WMO's Global Telecommunication System (GTS) in December 2010.

5.   At present, global AMDAR data, not only those from KMA, are assimilated into the global NWP models of KMA. AMDAR data are also utilized for setting up the initial field of very short range forecast systems.

Future Plans:

6.   KMA plans to upgrade the AMDAR data processing system for improving data quality and increase the number of data providers continuously.

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