

WORLD METEOROLOGICAL ORGANIZATION

ET-AIR-3 and AMDAR Panel-14/Doc.3.4.1(9)

(13.X.2011)

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

ITEM: 3.4.1

Original: ENGLISH ONLY

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

AMDAR PROGRAMME STATUS

Status Reports on National and Regional AMDAR Programmes

Established AMDAR Programmes

Status Report on AMDAR Programme in New Zealand

(Submitted by New Zealand)

Summary and purpose of document

This document provides information on the activities and plans for the New Zealand AMDAR Programme.

ACTION PROPOSED

1. The Panel is invited to note the information contained in the document.
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PROGRESS/ACTIVITY REPORT

1. INTRODUCTION

This is an update on the status of the AMDAR programme carried out by Meteorological Service of New Zealand Limited (MetService).

2. AIR NEW ZEALAND REPORTS

Regular reports were being received from six A320 aircraft which generally fly the trans-Tasman routes between New Zealand and Australia, and one B737-3K2 flying domestic routes within New Zealand. In addition 13 other B737 aircraft are configured to provide AMDAR reports when in the vicinity of Dunedin Airport.

Averages of 6,000 messages (approximately 36,000 AMDAR observations) per month were being transmitted on the GTS from this source.

Airline	Model	Number	Operation
Air New Zealand	B737-3K2	14	Regional/Domestic
Air New Zealand	A320	1	Regional/Domestic
Air New Zealand	A320	5	International

3. Cost-sharing with Australian Bureau of Meteorology

The cost-sharing arrangement with the Australian Bureau of Meteorology for Qantas AMDAR reports within the area 160E to 160W and 0S to 50S contributes about 9000 observations each month.

4. Future plans

In the next 12 months we intend to increase the number of Air New Zealand B737 aircraft which produce observations wherever they are in New Zealand.

We support the idea of water vapour sensing, however we are unlikely to make progress on this in the next 12 months.

We see the value of uplink software as an aid to optimisation however we have no immediate plans to implement this.