



International Civil Aviation Organization

**The Fifth Meeting of the South Asia/Indian Ocean ATM Coordination Group
(SAIOACG/5)**

Bangkok, Thailand, 03-06 March 2015

Agenda Item 3: Review of Current Operations and Problem Areas

UPDATE ON ATM ACTIVITIES IN THE MALDIVES

(Presented by the Maldives)

SUMMARY

This paper provides information on air traffic management activities in Maldives.

1. INTRODUCTION

1.1 This paper provides information on air traffic management activities in Maldives.

2 DISCUSSION

ATS Contingency Plan

2.1 The Maldives has developed draft Air Traffic Management (ATM) Contingency Plan for Male' Flight Information Region (FIR) in accordance with Annex 11 and Annex 15 provisions to be introduced to permit international flights to transit the Male FIR without disruption, in the event of a natural disaster, man-made disaster or any other event which makes the air traffic and supporting services normally undertaken by the Male Area Control Centre (ACC) are partially or totally unavailable.

Search & Rescue Services

2.2 Australian Government has commenced a three year program called Search and Rescue (SAR) Capability Partnership Program (SCPP) to assist the Maldives, Mauritius and Sri Lanka to enhance our SAR capability. Under this program the Australian Maritime Safety Authority (AMSA) officials have already visited the Maldives and conducted a SAR gap analysis.

Implementation of AIDC

2.3 Maldives has established ATS Inter-facility Data Communications (AIDC) test connections to Mumbai, Chennai, Colombo and Melbourne. The issues observed during trials have been forwarded to ATM equipment supplier.

ADS-B Implementation Progress

2.4 As part of the efforts to enhance the efficiency and safety of air traffic services, Maldives has completed installation and commissioning of four Automatic Dependent Surveillance-Broadcast (ADS-B) ground stations which have been integrated into the ATM automation system. Issues have been observed which need to be addressed and resolved prior to commencing any ADS-B control operation. Random label swapping between IFR & VFR tracks within control zone with tracks at close proximity and, ghost tracks have been major issues. Automatic Dependent Surveillance-Contract (ADS-C) track splitting issue when a flight is connected with ADS-C is another major issue. These issues have been brought to the attention of equipment suppliers.

Plans to Address ATM Equipment Issues

2.5 **Table 1** lists proposed immediate and short term plans to address current ATM equipment issues

Initiatives	Estimated Delivery
1. Replace the existing ATM system	Nov 2016
2. Enhance and expand ADS-B surveillance services with multilateration at INIA	Mar 2017
3. Replace the current Mode C Radar at INIA with a Mode S radar	Aug 2017

Table 1: Maldives' Plans to Address ATM Equipment Issues

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note the information contained in this working paper; and
- b) Discuss any relevant matters as appropriate.

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