



International Civil Aviation Organization

**The Second Meeting of the APANPIRG ATM Sub-Group
(ATM /SG/2)**

Hong Kong, China, 04-08 August 2014

Agenda Item 4: ATM Systems (Modernization, Seamless ATM, CNS, ATFM)

ADS-B IMPLEMENTATION AND DATA SHARING

(Presented by the Airports Authority of India)

SUMMARY

This paper presents the status of ADS-B implementation in India and the Data sharing between India and Myanmar.

1. INTRODUCTION

1.1 India had installed ADS-B ground receivers at 21 locations pan India and had obtained regulatory approval for 10 stations and the process of obtaining regulatory approval for the remaining station was expected to be completed in near term.

1.2 The operational use of ADS-B information, which had been appropriately integrated into the ATS Automation (Surveillance) systems at major ATC Centers, would commence in H2 of 2014. The training and rating endorsements of Controllers is in progress. The operational use of ADS-B was envisaged in both radar and non-radar environments, which would be notified through G series NOTAMs which cross referred to AIP Supplement 18/2014 on the provision of Air Traffic Surveillance Services using ADS-B (Out).

1.3 Discussion on ADS-B data sharing between States concerned including Myanmar and India was initiated at the eleventh meeting of the ADS-B SITF in April 2012. The outcome of the initial discussion was further progressed at the ADS-B focus group meeting facilitated by CANSO on 03 and 04 July 2012 in Singapore. The discussion covered a draft ADS-B data sharing agreement, implementation issues, financing model, maintenance options and key project milestones between Airports Authority of India and DCA Myanmar.

1.4 India was committed to Seamless ATM and had committed its willingness for resource sharing at ICAO meetings. In the ADS-B SITF/11, ADS-B SITF/12, BOBASIO/2, and BOBASIO/3 meetings as well as in APANPIRG/22 and APANPIRG/23 India had expressed willingness to share ADS-B data with Myanmar, Maldives, Sri Lanka, Malaysia and Indonesia.

2. DISCUSSION

2.1 The operational use of ADS-B information in the provision of ATS Surveillance Services was expected to commence in late 2014.

2.2 The Indian ANSP in close coordination with the Ministry of Civil Aviation had successfully obtained clearances for ADS-B data and VHF sharing with Myanmar, from the Indian Government, Home, Defence and External Affairs ministries. A clearance from the Department of Telecommunications was expected in near term.

2.3 In the Special ATM Coordination Group meeting, between Bangladesh, Myanmar, India and Thailand scheduled on 18-19 August, 2014, India and Myanmar may consider working out the modalities of ADS-B data sharing and VHF requirements. (Refer Annexure A for pictorial inputs).

2.4 India had also expressed its willingness to share ADS-B data with Myanmar, Maldives, Sri Lanka, Malaysia and Indonesia, in various forums including the ADS-B SITF and BOBASIO.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a. Note the status of ADS-B implementation in India.
- b. Note the status of ADS-B data and VHF sharing with Myanmar in particular and other neighbors in general.
- c. Discuss any relevant matters as appropriate.

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