



International Civil Aviation Organization

**FIFTEENTH MEETING OF THE ADS-B STUDY AND IMPLEMENTATION
TASK FORCE (ADS-B SITF/15)**

Bangkok, Thailand, 18 - 20 April 2016

**Agenda Item 4: Review States' activities and interregional issues on implementation of
ADS-B and multilateralism**

ADS-B AND MLAT IMPLEMENTATION PLAN IN BANGLADESH

(Presented by Bangladesh)

SUMMARY

This paper presents revised plan of ADS-B and MLAT Implementation in Bangladesh.

1. INTRODUCTION

1.1 Bangladesh wishes to inform the meeting that as Regulator and Air Navigation Service Provider, Civil Aviation Authority of Bangladesh (CAAB) provides CNS/ATM services. ADS-B is a surveillance technology supporting Radar like separation standards to enhance the flight safety and efficiency in Bangladesh.

1.2 Bangladesh has taken a Public Private Partnership (PPP) project that includes the installation of ADS-B ground stations throughout the country as back up to the proposed new radar systems and as a means of filling the gap in radar coverage over the Bay of Bengal area.

2. DISCUSSION

2.1 One of the primary safety objectives of ADS-B implementation is to provide surveillance coverage over the Bay of Bengal including the FIR boundary of Dhaka, Kolkata and Yangon ACC's.

2.2 Bangladesh is willing to share ADS-B data and VHF RCAG communications with neighboring States to enhance the safety and surveillance capability in the Sub-region.

2.3 Bangladesh will install radar (PSR and MSSR) systems in two locations- one is at Hazrat Shahjalal International Airport, Dhaka under the ongoing PPP project and the other is at Shah Amanat International Airport, Chittagong under the on-going JICA funded project.

2.4 The near term ADS-B implementation plan includes installation of ADS-B ground stations at the following 4 (four) locations:

- (a) Hazrat Shahjalal International Airport, Dhaka: To provide surveillance coverage over the Dhaka FIR and as a supplement to radar systems. And to share data with Agartala, India to extend our ACC-U coverage.
- (b) Cox's Bazar Airport: To provide surveillance coverage over the Bay of Bengal and as a supplement to new radar systems of Shah Amanat International Airport, Chittagong and to share data with Sittwe, Myanmar to get South East coverage.
- (c) Barisal Airport: To provide low level coverage for traffic to/from Kolkata, India.
- (d) Saidpur Airport: To provide low level coverage for Flying Schools in the north-west.

2.4 The PPP project also includes an MLAT system at Hazrat Shahjalal International Airport, Dhaka to provide surface movement control and supplemental TMA coverage (in-fill services) as well as MSSR Backup.

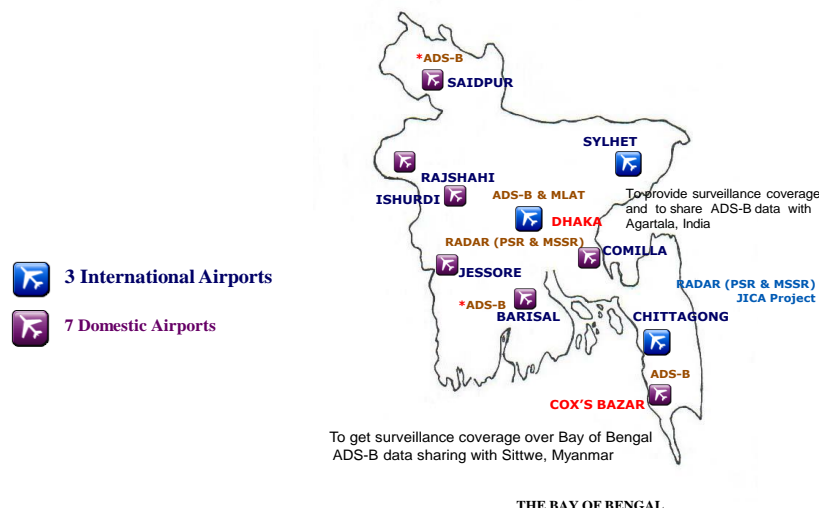
2.5 The ADS-B ground stations, MLAT and Radar systems will be integrated with the new ATM Automation system to be installed at Dhaka.

2.6 The tender dropping date for PPP project is 10th May, 2016.

2.7 The expected time line for signing the contract of the PPP project is by August 2016.

2.8 The expected time line for completing the PPP project is by August 2019.

THE REVISED PLAN OF ADS-B AND MLAT IMPLEMENTATION IN BANGLADESH
[PPP project is expected to be completed by August 2019](#)



3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the revised plan of ADS-B and MLAT implementation in Bangladesh; and
- b) discuss any relevant matters as appropriate.
