



*International Civil Aviation Organization*

**THE TENTH MEETING OF THE SOUTH EAST  
ASIA AND BAY OF BENGAL SUB-REGIONAL  
ADS-B IMPLEMENTATION WORKING GROUP  
(SEA/BOB ADS-B WG/10)**



Singapore, 11 – 13 November 2014

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**Agenda Item 3: Report on Review implementation and co-ordination activities and sub regional implementation plans**

3.1) Progress on deployment and implementation planning –Bay of Bengal

**ADS-B IMPLEMENTATION PLAN IN BANGLADESH**

(Presented by Civil Aviation Authority of Bangladesh)

**SUMMARY**

This paper presents ADS-B Implementation plan 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 present and 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 PPP project and the other is at Shah Amanat International Airport, Chittagong under the JICA project.

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

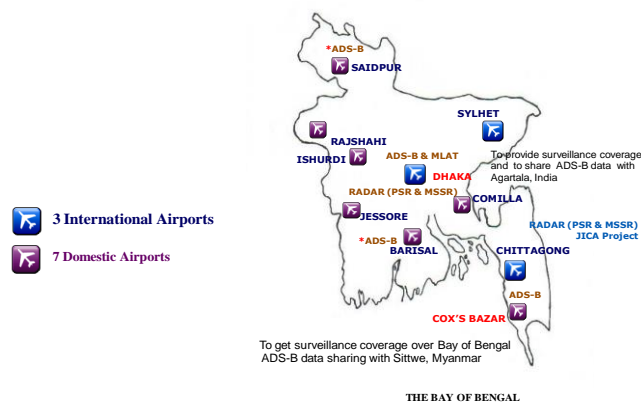
- (a) Hazrat Shahjalal International Airport, Dhaka: To provide surveillance coverage over the Dhaka FIR and as a supplement to radar systems. And to share data with Agartala, India to extend our ACC-U coverage.
- (b) Cox's Bazar Airport: To provide surveillance coverage over the Bay of Bengal and as 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.

2.5 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.

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

2.7 The expected time line to complete the PPP project is by December 2016.

THE ADS-B AND MLAT IMPLEMENTATION PLAN IN BANGLADESH  
[PPP project is expected to be completed by December 2016](#)



### 3. Action by the meeting

3.1 The meeting is invited to:

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

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