



International Civil Aviation Organization

**AUTOMATIC DEPENDENT SURVEILLANCE –  
BROADCAST SEMINAR AND TWELFTH MEETING  
OF AUTOMATIC DEPENDENT SURVEILLANCE –  
BROADCAST (ADS-B) STUDY AND  
IMPLEMENTATION TASK FORCE (ADS-B SITF/12)**



Kolkata, India, 15-18 April 2013

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**Agenda Item 6:           Review States' activities and interregional issues on trials and  
implementation of ADS-B and Multilateration**

**ADS-B IMPLEMENTATION PLAN IN BANGLADESH**

(Presented by Bangladesh)

**SUMMARY**

This paper presents ADS-B implementation plan in Bangladesh.

**1.       Introduction**

1.1           As the Regulator and the Air Navigation Service Provider (ANSP), Civil Aviation Authority of Bangladesh (CAAB) provides CNS/ATM services. ADS-B is recognized as the new surveillance technology supporting Radar like separation standards to enhance the flight safety and efficiency in Bangladesh. Bangladesh has a plan to install ADS-B ground stations throughout the country as back up to the present radar systems and as a means of filling the gap of radar coverage in the Bay of Bengal area.

1.2           One of objectives of ADS-B implementation is to provide surveillance coverage over Bay of Bengal up to the FIR boundary of Dhaka, Kolkata and Yangon. Bangladesh is willing to share ADS-B data and VHF communications (as suggested by ICAO & CANSO), with neighboring States to enhance the surveillance capability in the Sub-region.

**2.       Discussion**

2.1           After discussion with Myanmar and India in the Eighth Meeting of the Southeast Asia and Bay of Bengal Sub-regional ADS-B Implementation Working Group (SEA/BOB ADS-B WG/8), Bangladesh has recently reviewed its ADS-B implementation plan.

2.2           The near term ADS-B implementation plan include installation of ADS-B ground stations at the following two locations depending on further cost benefit study.

- a) Hazrat Shahjalal International Airport (HSIA), Dhaka to provide supplementary surveillance coverage and as standby to radar systems;
- b) Cox's Bazar Airport to provide surveillance coverage over Bay of Bengal up to the FIR boundary of Dhaka, Kolkata and Yangon; and as standby to Radar system at Shah Amanat International Airport, Chittagong which will be going to install near future.

2.3 ADS-B ground stations will be integrated with the new ATC Automation system to be installed at Dhaka. Bangladesh has a plan to commission all ADS-B ground stations by December 2015 as per the Asia/Pacific regional plan.

2.4 In response to a query of the last ADS-B Meeting, Bangladesh advised that the business case decision for the ADS-B deployment was expected to be taken by end of 2012. Bangladesh is still hopeful for a positive decision in the business case matter for the ADS-B deployment, because it is under the Public-Private Partnership (PPP) project:

- a) ADS-B ground systems.
- b) New ATC System with Automation facility
- c) New SSR mode-S Radar for Shah Amanat International Airport, Chittagong

### **3. Action by the Meeting**


3.1 The meeting is invited to:

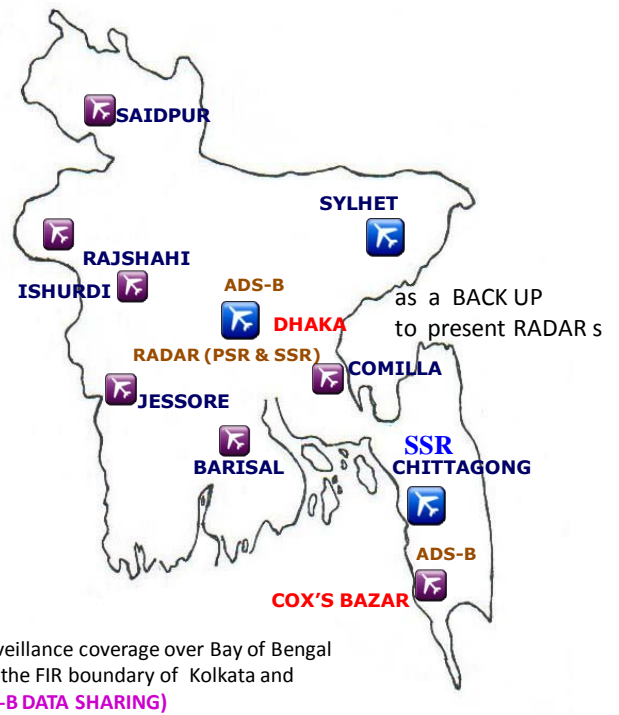
- a) note the information contained in this paper on updating ADS-B implementation plan of CAA Bangladesh; and
- b) Refer to the ATTACHMENT/FIGURE TO THE PAPER for discussion.
  - i) for ADS-B implementation plan of Bangladesh
  - ii) for ADS-B Data Sharing with India & Myanmar

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**ADS-B IMPLEMENTATION PLAN IN BANGLADESH**

**Two ADS-B ground stations will be installed at Hazrat Shahjalal International Airport, Dhaka and Cox's Bazar Airport, with the further intention to engage in data sharing with India and Myanmar**

-  **3 International Airports**
-  **7 Domestic Airports**

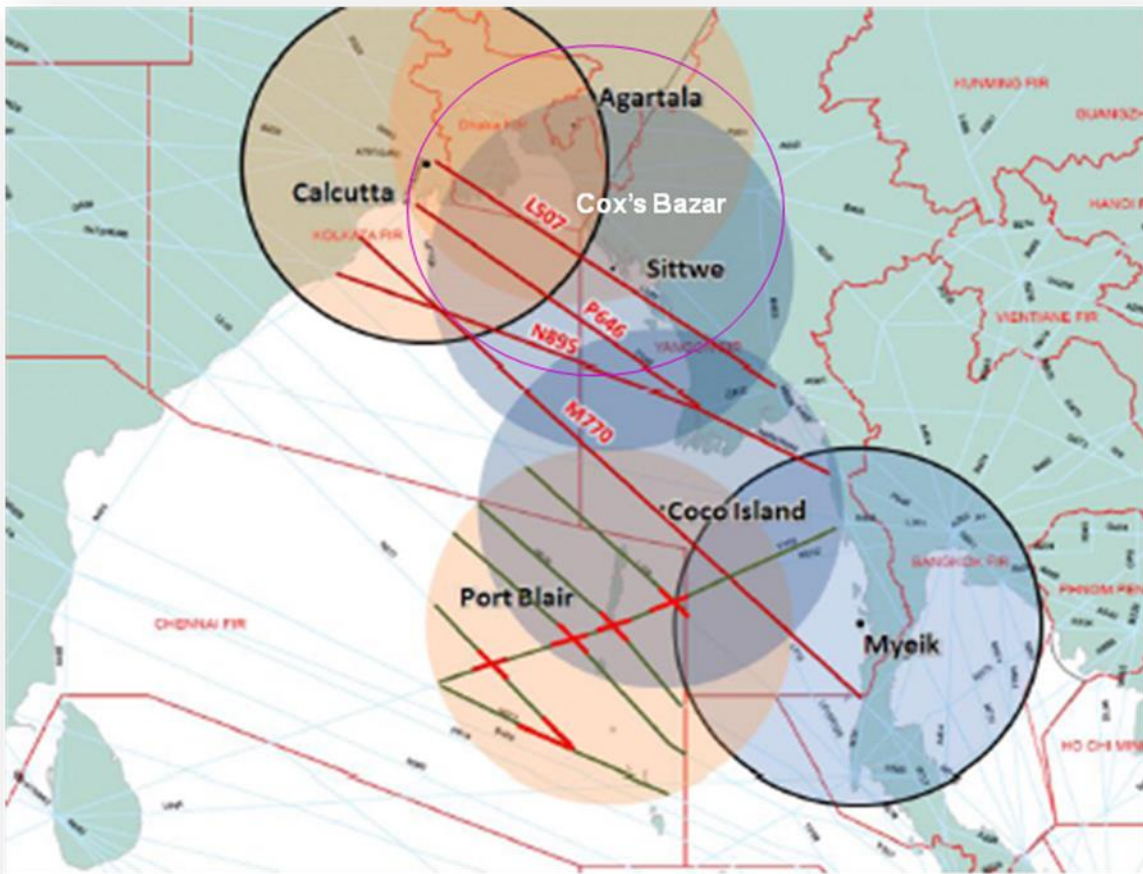


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**Milestone for ADS-B Data-sharing**

**Between India and Myanmar for significant operational benefits  
Promoting Seamless ATM**

The ADS-B ground station at Cox's Bazar Airport will ensure data sharing with Calcutta (India), Agartala (India) and Sittwe (Myanmar).



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