



*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: Review implementation and co-ordination activities and sub-regional implementation plans**

3.4) Updates by other States

**ADS-B IMPLIMENATION PLAN IN SRI LANKA**

(Presented by Sri Lanka)

**SUMMARY**

This paper presents ADS-B implementation plan in Sri Lanka.

**1. Introduction**

1.1 ADS-B implementation plan in Sri Lanka, include establishment of five ADS-B Ground Stations and a Central Processor for distribution of data received data from the five Ground Stations. Provision will be available in the Central Processor to share data with neighboring states.

1.2 Standalone Air Situation Displays will be used for monitoring at three ATC Centers initially. Then ADS-B data will be integrated to ATM system at Colombo Area Control Center.

1.3 ADS-B data will also be integrated with ATM system at Bandaranaike International Airport (BIA / CMB) in parallel with proposed upgrading of the ATM system.

1.4 The project will be handled by Air Navigation Service provider.

**2. Discussion**

2.1 Three ADS-B Ground Stations will be located at sites owned by the Air Navigation Service provider. Out of these, two stations will be located close to existing two Secondary Surveillance Radar sites, one at BIA & other at the highest location of Sri Lanka (Mount Pidurutalagala). Third site will be second international airport (Mattala Rajapaksa International Airport – MRJA / HRI).

2.2 Fourth Ground Stations will be located at a site in North of the country owned by Telecom Regulatory Commission and fifth will be at a site in South-West of the country owned by Sri Lanka Telecom.

2.3 According to current progress of the implementation, it is estimated that Ground Stations and Central Processor will be ready by fourth quarter of year 2015, for operational trails.

2.4 AIC No. A02/14 on “Introduction of Automatic Dependent Surveillance Broadcast (ADS-B) Out services within Colombo FIR” has been issued by Civil Aviation Authority of Sri Lanka.

2.5 Expected benefits of the implementation are;

- a) Supplementary for air surveillance provided by existing radars
- b) Extended coverage of Oceanic Airspace
- c) Improved low flight level coverage in Northern, Southern and South-West regions of country (areas / levels not covered by existing Secondary Surveillance Radars).

### **3. Action by the meeting**

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate.

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