



International Civil Aviation Organization

**THE NINTH MEETING OF AUTOMATIC
DEPENDENT SURVEILLANCE – BROADCAST
(ADS-B) STUDY AND IMPLEMENTATION TASK
FORCE (ADS-B SITF/9)**



Jakarta, Indonesia, 18 -19 August 2010

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

CANSO ADS-B SEMINAR FOR THE PHILIPPINES

(Presented by CANSO)

SUMMARY

This paper highlights the recently concluded ADS-B seminar hosted and conducted by CANSO for the CAAP in Manila on 11 August 2010. This was the first “on-site” seminar conducted by CANSO to reach out to as many participants as possible from a single State. The meeting is invited to note the outcome of the seminar and to provide guidance on the next steps that would optimize the overall benefits of ADS-B implementation to support international air traffic to, from and transiting the Philippines.

1. Introduction

1.1 CANSO hosted and conducted an ADS-B seminar for the Philippines in Manila on 11 August 10. The objective of the seminar was to provide the CAAP and the Philippine airlines with information on the latest developments and updates on ADS-B implementation in the region and to provide a forum for the CAAP to present and discuss its ADS-B implementation plans.

1.2 This is the first time that CANSO has conducted such a seminar in APAC for a State's air navigation service provider, regulator and airlines. The main consideration for taking this “on-site” approach is the opportunity created for CANSO to reach out to as large and diverse a group of participants from the same State as possible - all at one go. This would not have been possible if the seminar was held elsewhere because the cost of sending so many participants to the seminar would have been prohibitive.

2. Discussion

2.1 The ADS-B seminar which was conducted by facilitators from CANSO, its ANSP members Airservices Australia and CAAS as well as IATA was very well received by the participants. The feedback survey conducted at the end of the seminar showed that all the participants found the seminar to be Useful / Very Useful and rated its content Good/Excellent.

2.2 Apart from ADS-B development updates the seminar covered several key topics such as aircraft equipage, ADS-B data and VHF communications sharing/ cost apportionment framework as well as the cost benefit study for the initial phase of ADS-B implementation over the South China Sea. Please refer to the attached seminar programme.

2.3 A total of 33 participants from the Philippines attended the seminar. The participants came from the ANS, ATS and Regulatory departments of CAAP as well as PAL, Cebu Pacific and South East Asian Airlines. At the seminar CAAP presented its surveillance master plan which included radars, ADS-B and ADS-C surveillance.

2.4 The seminar discussed the CAAP's ADS-B implementation plan and agreed that CANSO should report on the conduct and outcome of the ADS-B seminar in Manila to the ICAO ADS-B SITF/9 meeting in Jakarta as follows:

- (a) The benefits of the Philippines participating in the South China Sea project was discussed at the seminar leading to the recommendation that the Philippines consider, apart from the ADS-B site at Puerto Princesa , to add another ADS-B station, taking into account the need to provide coverage of the 2 trunk routes (N884 & M767). A possible site identified is Quezon Palawan
- (b) Consider the location of ADS-B sites based on possible cost allocation to other user States
- (c) Additional ADS-B sites are being considered by CAAP, subject to approval. The possible sites are Aparri (North), Jomalig (East) and Quezon Palawan (Southwest)

3. Action by the Meeting

3.1 The meeting is requested to:

- (a) Note the outcome of the ADS-B seminar conducted by CANSO for the CAAP in Manila on 11 August 2010
- (b) Discuss and provide guidance on the next steps that would optimise the overall benefits of ADS-B implementation to support international air traffic to, from and transiting the Philippines.
- (c) Discuss the seminar recommendation that the Philippines consider, apart from the ADS-B site at Puerto Princesa, to add another ADS-B station, taking into account the need to provide coverage of the 2 trunk routes (N884 & M767). A possible site that was identified is Quezon Palawan

ATTACHMENT

CANSO's ADS-B SEMINAR FOR CAAP

Date: Wednesday 11 August 2010

Venue: Traders Hotel

Seminar Programme

8.30 am -9.00 am	Registration
<u>Morning session</u>	
9.00 am	Welcome Address by Director ANSl, CAAP
9.15 am	Opening Remarks by Director Asia Pacific Affairs, CANSO
9.20 am	Introduction to ADS-B – Greg Dunstone, Airservices Australia
9.50 am	Coffee break
10.20 am	Latest Updates on ADS-B developments in ICAO and the Asia Pacific region – Greg Dunstone, Airservices Australia and Yeo Cheng Nam, CAAS
11.00 am	Airline perspective and aircraft equipage update – Geoff Hounsell, IATA
11.30 am	ADS-B data / VHF communications sharing & cost apportionment framework – Yeo Cheng Nam, CAAS
12.00 pm	Lunch
<u>Afternoon session</u>	
1.00 pm	Initial phase of ADS-B implementation over the South China Sea & cost benefit study – Chiang Hai Eng, CANSO
1.30 pm	Philippines' ADS-B implementation plan –CAAP Representative
2.00 pm	Discussion on participation by Philippines in phase 2 of ADS-B implementation
3.00 pm	Coffee Break
3.30 pm	Conclusions of Seminar and Next Steps
4.00 pm	End