



*International Civil Aviation Organization*

**FIFTH MEETING OF THE SOUTHEAST ASIA  
SUB-REGIONAL ADS-B IMPLEMENTATION  
WORKING GROUP (SEA ADS-B WG/5)**



Jakarta, Indonesia, 21 – 22 January 2010

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**Agenda Item 5:                    Review of sub-regional implementation plan**

- Near-term implementation plan, including operational plan

**OUTCOME OF THE SEA ADS-B WG/4**

(Presented by the Secretariat)

**SUMMARY**

This information paper presented the outcome of the SEA ADS-B WG/4 held in Melbourne, Australia from 9 to 10 February 2009.

**1.                    Review action agreed by the 4<sup>th</sup> Meeting of SEA ADS-B Working Group**

1.1                    The Fourth Meeting of the South East Asia ADS-B Working group, hosted by Airservices Australia was held in Melbourne on 9 -10 February 2009. The meeting agreed with the following actions to expedite ADS-B implementation in South China Sea area:

- i) complete installation of ADS-B stations at Natuna and Matak Islands, Singapore and Con Son Island by 2010;
- ii) sharing of ADS-B data and DCPC capability between Indonesia, Singapore and Vietnam to facilitate application of radar-like separation standards;
- iii) commence ADS-B operational trials in 2010 along air routes L642 and M771; and
- iv) the earliest operational trial to be conducted approximately by the end of 2010 depending on new ATC automation system capabilities in the States. It was envisaged that an ADS-B mandate for some flight levels could come into effect in 2013.

Cost benefit study for South China Sea area

1.2                    Further to the discussion at the SEA ADS-B WG/4, CANSO provided information to the eighth meeting on the outcome of a Cost Benefit Study conducted by CANSO and IATA for initial phase of ADS-B implementation over the South China Sea. The study results indicated a positive business case and highlighted operational efficiencies and savings that can be derived through the implementation. FAA was helping in the analysis, and CAA Singapore was helping with the collection of operational and technical data. The meeting appreciated the outcome of the cost benefit study.

Indonesia – Australia Project

1.3 Australia presented a strawman paper on a possible project to introduce data sharing between Australia and Indonesia with the objective of improving safety and efficiency at the FIR boundary. The meeting strongly supported the proposed project. In particular IATA stated that if it is proceeded, it would be a significant step. Indonesia and Australia agreed to seek support for this project within their own organisations and report to the next meeting of ADS-B Task Force on the outcome

**2. List of Action Items and Task List Arising from the SEA ADS-B WG/4**

2.1 The following action items were discussed and agreed at the last meeting SEA ADS-B Working Group. Most of the actions have been taken and discussed at the Eighth meeting of the ADS-B SITF/8 held in Hanoi in May 2009.

	<b>Action</b>	<b>Taken by</b>	<b>Due date</b>
1	Prepare a paper on the plans for and status of ADS-B data sharing between Indonesia-Malaysia	Malaysia	ADS-B Task Force Meeting – 18 May 2009
2	Prepare a paper on the experience of using the ADS-B data sharing template and make any recommendations for change of the data sharing template.	Singapore & Indonesia	ADS-B Task Force Meeting – 18 May 2009
3	Identify the reasons for non compliance of some aircraft to AMC 20-24 when already approved for operations in Australia	Aric Oh (Singapore Airlines)	By email before ADS-B Task Force Meeting – 18 May 2009
4	Prepare a paper on the “state of play” of development of ADS-B avionics regulations explaining differences between regions, states	Australia	ADS-B Task Force Meeting – 18 May 2009
5	Prepare a paper on the status of the proposed Indonesia-Australia project	Australia & Indonesia	ADS-B Task Force Meeting – 18 May 2009
6	Complete the business case on the South China Sea project including a 1 page Con Ops	IATA/CANSO	ADS-B Task Force Meeting – 18 May 2009
7	Consider a side meeting for regulators to discuss the status of avionics standards and rulemaking at the ADS-B Task Force	ADS-B TF Chairman & ICAO Secretariat	ADS-B Task Force Meeting – 18 May 2009

	<b>Action</b>	<b>Taken by</b>	<b>Due date</b>
8	Prepare a proposal on avionics equipage acceptable to IATA members relevant to Asia Pacific objectives	IATA	ADS-B Task Force Meeting – 18 May 2009

**3. Action by the Meeting**

3.1 The meeting is invited to review the information provided in this paper.

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