



*International Civil Aviation Organization*

**THE TENTH MEETING OF AUTOMATIC  
DEPENDENT SURVEILLANCE –  
BROADCAST (ADS-B) STUDY AND  
IMPLEMENTATION TASK FORCE  
(ADS-B SITF/10)**



Singapore, 26 -29 April 2011

---

**PROVISIONAL AGENDA**

- 26 April 2011** Opening and Information sharing on ADS-B development and Implementation (Updates from Industry – Airframe and avionics manufactures, operators, regulators and ANSPs are expected)
- Agenda Item 1:** Adoption of Agenda
- Agenda Item 2:** Review the outcome of the APANPIRG/21 on ADS-B SITF/9 and SEA ADS-B WG/5 Meetings
- Agenda Item 3:** Review progress made by ADS-B related ICAO panels
- Agenda Item 4:** Review the Terms of Reference and Subject/Tasks List as attached to this provisional agenda below
- Agenda Item 5:** Report and updates by the leading member of the Task Force on Tasks assigned
- Agenda Item 6:** Review States' activities and interregional issues on trials and implementation of ADS-B and multilateralism
- Agenda Item 7:** Development of Asia/Pacific Regional ADS-B implementation plan and sub-regional ADS-B implementation plan
- Review report of the Sixth meeting of the South East Asia ADS-B Implementation Working Group
  - Divide into working groups as follows and subsequently report conclusions to Plenary
    - Regulatory authorities working group;
    - South East Asia working group
    - Bay of Bengal and South Asia working group;
    - Pacific working group
- Agenda Item 8:** Any other business
-

**UPDATED ADS-B SUBJECT/TASKS LIST**

<b>No.</b>	<b>Subject/Tasks List</b>	<b>Associated with Strategic Objective</b>	<b>Associated GPI</b>	<b>Deliverables</b>	<b>Target Date</b>	<b>Action to be taken and led by</b>
1	<del>Conduct study and present a paper on a study for the use of ADS-B technology in airspace in the North Asia.</del>	<del>D. Efficiency</del>	<del>GPI01/02/05/06/07/09/14/16/17/21/22</del>	<del>Report of study for the use of ADS-B in North Asia area</del>	<del>Completed (04/2008)</del>	<del>IATA</del>
2	<del>Report Organizational Policy on ADS-B data sharing with neighbors.</del>	<del>A. Safety D. Efficiency</del>	<del>GPI01/02/05/06/07/09/10/11/14/16/17/21/22</del>	<del>Status report</del>	<del>Completed (04/2008)</del>	<del>All Members</del>
3	Each member State report on the number of airframes fitted and transmitting with good NUC/NIC.	D. Efficiency	GPI01/05/06/09/14/16/17/21/22	Report on statistics conducted	4/2011	All Members with Ground Stations
4	<del>Develop draft comparison of surveillance technologies document including required site and network architecture, expected surveillance coverage, cost of system.</del>	<del>D. Efficiency</del>	<del>GPI01/02/05/06/07/09/14/16/17/21/22</del>	<del>A regional guidance material for implementation</del>	<del>Completed (4/2007)</del>	<del>Greg Dunstone</del>

5	Develop draft update to AIGD to incorporate multilateralism.	D- Efficiency	GPI01/05/06/09/ 14/16/17/21/22	The second amendment to the AIGD	Completed (4/2007)	Nick King, Chainan Chaisompong & Howard Anderson
6	Provide a paper with an update on available equipment standards: (ARINC, Eurocae, RTCA, ICAO, TSO)	D- Efficiency	GPI01/05/06/09/ 14/16/17/21/22	An information document for implementation	Closed (08/2010)	Information provided to ADS-B workshop
7	Develop a table detailing readiness of Airspace users & ATS providers.	D- Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Report of a survey conducted	Completed (4/2007)	Singapore
8	Provide details of potential areas (FIRs) that where there is a positive cost/benefit for near term implementation of ADS-B Out	D- Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Report of result of studies	Completed (4/2008)	All Corner meetings
9	Develop a paper on how Probability of detection should be reported for ADS-B so that it can be compared to radar probability of detection	D- Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Guidance material for implementation	Completed (4/2008)	-
10	Develop guidelines on how ADS-B equipage should be reported in future, especially the definition of "equipped".	D- Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Guidelines for implementation	Completed (4/2008)	Greg Dunstone

11	<del>Develop outline of the performance criteria and identify issues to be considered when introducing ADS-B into an Air Traffic Control multi sensor fusion process</del>	<del>D- Efficiency</del>	<del>GPI01/05/06/09/14/16/17/21/22</del>	<del>Guidance material for implementation</del>	<del>Completed (4/2008)</del>	<del>Rick Castaldo, Greg Dunstone Michel G. Procoudine</del>
12	<del>Develop brief guidance paper on security issues associated with ADS-B</del>	<del>D- Efficiency</del>	<del>GPI01/05/06/09/14/16/17/21/22</del>	<del>Guidance material for implementation</del>	<del>Completed (4/2008)</del>	<del>Patrick Souchu, Greg Dunstone, Mike Gahan</del>
13	<del>Exam the feasibility of the use of ADS-B for height monitoring</del>	<del>A. Safety</del>	<del>GPI01/05/06/09/14/16/17/21/22</del>	<del>Result of feasibility study— Advice on ADS-B capability to RVSM Groups.</del>	<del>Completed the advice material (4/2008)</del>	<del>TBD</del>
14	Guidance material on how to build safety case for delivery of separation services.	Safety	GPI01/05/06/09/14/16/17/21/22	Guidance material for implementation	Apr-11	Australia
15	<del>Guidance material on display of ADS_B tracks on displays.</del>	<del>D- Efficiency</del>	<del>GPI01/05/06/09/14/16/17/21/22</del>	<del>Guidelines for implementation</del>	<del>Completed (/8/2010)</del>	<del>Australia</del>

16	<del>Sample mandate material defining ADS-B avionics including the positional data source including task by 45th DGCA Conference.</del>	A. Safety	<del>GPI01/05/06/09/ 14/16/17/21/22</del>	Guidance material for implementation	Completed (/8/2010)	Australia + Regulators -Workshop
17	Guidance on legal liability issues for ADS-B data sharing.	A.Safety	GPI01/05/06/09/ 14/16/17/21/22	Guidance material for implementation	Aug-10	U.S.A.
18	Develop and implement regional collaboration project for ADS-B Out operational use including data sharing in SEA and report on implementation progress	D. Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Sub-regional ADS-B collaboration project has been	Jul-08/ Apr-11	SEA WG
19	Develop and implement regional collaboration project for ADS-B out operational use including data sharing in South Pacific and report on implementation progress	D. Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Develop and implement sub-regional ADS-B collaboration project.	Apr-09/ Dec-11	South Pacific States
20	<del>Develop common compliance procedures for regulatory surveillance of ADS-B avionics installations and operation.</del>	<del>D. Efficiency</del>	<del>GPI01/05/06/09/ 14/16/17/21/22</del>	<del>Sample document</del>	Completed (5/2009)	Australia
21	Study application of ADS-B and multilat for precision runway monitoring.	D. Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Guidance material for implementation	Apr-11	All Members

22	Perform data collection and data analysis of ADS-B messages to examine GPS performance in different geographic areas.	D. Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Report of data collected and analyzed - continuous	Apr-11	All Members
23	Develop and implement regional collaboration project for ADS-B out operational use including data sharing in Bay of Bengal area and report on implementation progress	D. Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Develop and implement sub-regional ADS-B collaboration project.	Apr-09/ Dec-11	Bay of Bengal States
24	<del>Working Paper for CNS/MET/SG/13 on the need for global harmonized equipage requirements for ADS-B surveillance service in NRA</del>	<del>D. Efficiency</del>	<del>GPI01/05/06/09/ 14/16/17/21/22</del>	<del>Working Paper</del>	<del>Closed 9/2009</del>	<del>member from US Workshop on this conducted</del>
25	Provide feedback to the proposed amendment and template for data sharing based on experience gained by Indonesia and Singapore	D. Efficiency	GPI01/05/06/09/ 14/16/17/21/22	Comments	April-11	All Members