



ADS-B TaskForce Meeting
(ICAO NACC Regional Office, 23 May 2014,)

References:

1. ADS-B TaskForce Terms of References (ANI/WG/01 Report)
2. 1st DS-B Taskforce Teleconf minute agreements
3. Actions from ANI/WG/01 Meeting

Purpose and agenda: to follow-up the ADS-B Task Force Activities. The draft agenda is shown as Appendix A.

Participants: List attached as Appendix B.

Discussions:

The Meeting was chaired by the ADS-B TF Rapporteur, Carlos Jimenez, assisted by Julio C. Siu, ICAO NACC RO/CNS and Alex Rodriguez, FAA representative. The Meeting was conducted in plenary.

Agenda Item 1 Review the work programme and implementation timetable

1.1 The Meeting reviewed the ADS-B TF Terms of Reference (ToRs), its membership (Appendix C) and its workprogramme. ICAO recalled that this information is also publicly available at ICAO NACC website: <http://www.icao.int/NACC/Pages/regional-group-ADSB.aspx>

1.2 In this regard the dates were reviewed for new deliverables and for implementation actions; the programme contents was also reviewed and Updates were made to the work programme (appendix F).

Agenda Item 2 Analyze making agreements based on the information received during the workshop

2.1 Identify the information needs that still may be necessary for the implementation: The Meeting identified the need to create 2 Ad-Hoc Groups to work two specific tasks: a) CONOPS Ad-hoc Group: Regional Operational Concept for ADS-B Implementation and b) ADS-B Trials and Specifications. The ToRs of these Ad-Hoc Groups are presented as Appendix D and E. Both Ad-hoc Groups are to report to the ADS-B TF Rapporteur. **ACT 01/01** United States will send their CONOPS for reference of the ADS-B CONOPS Ad-Hoc Group by 30 May 2014.

2.2 For the ADS-B Trials, the Meeting recognized the progress and trials being conducted by Cuba, Jamaica, Mexico, COCESNA and Trinidad and Tobago.

2.3 The Meeting took note of the Project for ADS-B Receivers in Mexico's Valley and the Gulf of Mexico, as well of the technical issues with the D0-260A processing capability, the regulatory framework to be developed and the need for exchanging this information with the operators and users. **ACT 02/01** ICAO will coordinate a Meeting among the SENEAM and Mexico DGAC for discussing the next actions for the ADS-B Project implementation by 30 June 2014.

2.4 The other topics on Assess available technologies and identify those that may be proposed for use; Discuss on the possibilities of Multilateral implementation in member States; and Analyze the possibility of ADS-B information exchange between neighboring States will be discuss in the next teleconference.

Agenda Item 3 Other Matters

- 3.1 From the last teleconference, the Rapporteur recalled the valid action items:
- a. **ACT 03/02:** IATA will provide their ideas on the operational concept of ADS-B by 7 Feb 2014. Superseded. IATA is part of the CONOPS AD-Hoc group.
 - b. **ACT 04/02:** Canada will submit their lessons learned and experience in the implementation of the ADS-B in the Hudson Bay and in the North Atlantic Region by 7 Feb 2014. Valid
 - c. **ACT 05/02:** ADS-B TF Rapporteur will update the ADS-B Regional implementation Plan based on the inputs to the survey, expected by April 2014. Valid

Next meeting: tentatively July 12 at 16 UTC

APPENDIX A
ADS-B TASK FORCE FOLLOW-UP MEETING

(ICAO NACC Regional Office, Mexico City, Mexico, 23 May 2014)

DRAFT AGENDA

Agenda Item 1 Review the work programme and implementation timetable

- 1.1 Review dates for new deliverables;
- 1.2 Determine the dates for implementation actions;
- 1.3 Review the programme contents and approve the proposed amendments to the content points; and
- 1.4 Update the implementation timetable of the work programme

Agenda Item 2 Analyze making agreements based on the information received during the workshop

- 1.1 Identify the information needs that still may be necessary for the implementation;
- 1.2 Assess available technologies and identify those that may be proposed for use;
- 1.3 Evaluate other technological needs that may be required by Member states for the implementation;
- 1.4 Assess the necessary operational requirements for the implementation
- 1.5 Discuss on the possibilities of Multilateration implementation in member States;
- 1.6 Analyze the possibility of ADS-B information exchange between neighboring States

Agenda Item 3 Other Business

APPENDIX B

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LIST OF PARTICIPANTS / LISTA DE PARTICIPANTES
ADS-B TF MEETING

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APPENDIX D
ADS-B CONOPS ADHoC-Group.

1. Background

During the ADS-B Implementation Meeting held in ICAO NACC Regional Office in May 23 2014, it was agreed to create several Ad-Hoc groups to work on the definition of a Regional Operational concept for ADS-B and for the specification of ADS-B receivers and trial activities.

2. Deliverable:

Definition of an ADS-B Regional CAR Operational Concept (CONOPS)

Aspects to consider:

- a. Regional Target date of Dec 2018
- b. Regulatory and operational needs
- c. Gradual implementation for effective progress
- d. National and Regional use of ADS-B Out

3. Working Methods

Idem ANI/WG TF ToR.

To report to ADS-B TF Rapporteur

4. Task Group Members ADS- B:

No	Member, State	email
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5. Target Date: 30 September 2014

APPENDIX E
ADS-B Trials/Spec ADHoC-Group.

1. Background

During the ADS-B Implementation Meeting held in ICAO NACC Regional Office in May 23 2014, it was agreed to create several Ad-Hoc groups to work on the definition of a Regional Operational concept for ADS-B and for the specification of ADS-B receivers and trial activities.

2. Deliverable:

- a) Trials results evaluation
- b) Recommendations for aircraft operators for improving ADS-B data provision
- c) ADS-B Receiver specifications

Aspects to consider:

- a. Regional Target date of Dec 2018
- b. All States undergoing trials
- c. Technical specifications shall include hardware, software (application for analysis), own evaluation PC and mobility of equipment
- d. Technical Specification will be used for CAR Project RLA/03/901
- e. ADS-B Receiver must comply with version 2 / DO-260B

3. Working Methods

Idem ANI/WG TF ToR.

To report to ADS-B TF Rapporteur

4. Task Group Members ADS- B:

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15.	Julio Siu, ICAO	jsiu@icao.int

5. Target Dates:

- a) Trials results evaluation/ Recommendations for aircraft operators for improving ADS-B data provision: **30 August 2014**
- b) ADS-B Receiver specifications: **30 June 2014**

APPENDIX F

NOMBRE DE LA TAREA	ENTREGABLE	FECHA INICIO	FECHA FIN	PORCENTAJE COMPLETADO	RESPONSABLE
Actividades del Grupo de Tarea ADS-B		1/8/13	31/12/20		
1. Formación del ADS-B TF	Lista de participantes	1/8/13	1/8/13	100 %	Miembros del Grupo
2. Presentar términos y referencias	Términos de referencia del grupo de trabajo	1/8/13	1/8/13	100 %	Cuba (Relator)
3. Elaborar Plan de Trabajo		2/8/13	14/8/13	100 %	Cuba (Relator)
3.1 Entregar a la OACI el Plan de Trabajo	Plan de Trabajo	14/8/13	14/8/13	100 %	Cuba (Relator)
4.0 Aprobar Plan de Trabajo del ADS-B TF en el Bloque 0		30/10/13	30/10/13	100 %	Miembros del Grupo
5.0 Comenzar la ejecución del Plan de Trabajo		31/10/13	31/12/18		Miembros del Grupo
5.1 Elaborar encuesta sobre ADS-B		1/11/13	29/11/13	100 %	COCESNA
5.1.1 Enviar encuesta a la OACI para su distribución a los estados de la región.	Encuesta sobre la situación del ADS-B en los estados	2/12/13	2/12/13	100 %	COCESNA
5.1.2 Recolectar resultados de las encuestas	Situación actual del ADS-B en los estados	2/12/13	31/3/14	20%	NACC OACI
5.2 Envío de encuesta sobre la implementación ADS-B de aeronaves	Encuesta sobre el estado de implementación del ADS –B en aeronaves	23/01/14	30/4/14		IATA
5.2.1 Recolectar Información sobre la implementación de ADS-B en aeronaves	Estado actual de implementación de ADS- B en aeronaves	30/04/14	30/04/14		IATA
6.0 Ensayos de ADS-B	Envío de Resultados a la OACI	8/2/13	5/20/15		Estados/Territorios de la Región
6.1 Continuar ensayos ADS-B donde se estén realizando actualmente	Estadísticas resultados de los ensayos	8/2/13	5/20/15		Cuba , Canadá, Estados Unidos, México y COCESNA
6.2 Enviar a los miembros del Grupo de Tarea la guía para las pruebas	Guía para pruebas	2/13/14	2/13/14	100%	Cuba (Relator)
6.3 Iniciar ensayos de ADS – B en los Estados que aún no lo realizan	Estadísticas resultados de los ensayos	30/10/14	29/5/15		Estados/Territorios de la Región que no lo realizan
6.4 Recolectar datos de ensayos con ADS-B	Datos de los ensayos	30/10/13	29/5/15		Cuba, México, Jamaica, Trinidad & Tobago y COCESNA
6.5 Enviar estadísticas recolectadas al relator del grupo	Estadísticas				Cuba, México, Jamaica, Trinidad & Tobago y COCESNA
6.5 Entregar resultados de las comparaciones de las estadísticas de ADS-B	Resultado de las estadísticas	23/05/14	30/08/14		Cuba
7.0 Reunión del grupo de Tareas de ADS-B del ANIWG	Minuta de la reunión	23/05/14	23/05/14		Miembros del TF ADS-B
8.0 Desarrollar		23/5/14	30/09/14		Miembros del TF

El concepto operacional regional para la implementación ADS-B					ADS-B: SENEAM, FAA, UK, Barbados, Jamaica, Trinidad & Tobago y Canadá
8.1 Entrega del Concepto Operacional regional para la implementación de ADS-B	Concepto Operacional Regional	23/05/14	23/05/14		SENEAM
9.0 Elaborar requerimientos técnicos para adquirir equipo de ensayos con ADS-B		23/05/14	23/06/14		Miembros del TF ADS-B
9.1 Entrega requerimientos técnicos de equipo ADS-B		30/06/14	30/06/14		SENEAM
10.0 Reunión de seguimiento al plan de trabajo del ADS-B TF	Minuta Reunión	2015	2015		Miembros del TF ADS-B
11.0 Asistir el proceso de implementación operacional de ADS-B	LoA's entre Estados Metricas regionales	29/5/15	31/12/18		Estados/Territorios de la Región
12.0 Seguimientos proceso de implementación operacional de ADS-B	ANRF's	31/12/14	31/12/14		Grupo de Tarea ADS-B del ANI/WG