

RTCA SC-186 Working Group 6
Summary of Meeting #25
Held at RTCA in Washington DC, 19 – 21 July 2011
For The Maintenance and Updates of the ADS-B & ASA MASPS

The 25th meeting of RTCA SC-186 Working Group 6, for the maintenance and updates of the ADS-B and ASA MASPS documents, referenced herein as Meeting #25, was called to order by WG-6 Co-Chair, Dean Miller of Boeing shortly after 9:00am EDT on 19 July 2011 at the facilities of RTCA in Washington DC. Mr. Miller welcomed all attendees and asked that each attendee introduce themselves and their organization. The attendees for all or part of the meeting included the following:

Randy Bone, Mitre	Stan Jones, Mitre
Jim Duke, SAIC	Larry Kenney, Raytheon
Dave Elliott, Mitre	Dean Miller, Boeing
John Fisher, FAA AIR-130	Peter Moertl, Mitre
Gary Furr, Engility Corp., FAATC-AJP-653	Tom Pagano, FAA, ATO-P FAATC-AJP-653
David Gray, FAA SBS Program Office (phone)	Mark Reed, ALPA
Major Gregory Grozdits, USAF Hanson AFB (phone)	Peter Stassen, Mitre
Rudy Johnson, L-3/ACSS	Rob Strain, Mitre

1. Agenda Item #1

- 1.1 Dean Miller thanked participants and indicated that a lot of work needs to be done now that we have an initial draft of the basic combined MASPS. Dean and Rob Strain both indicated that they feel that there is a lot of information in the draft MASPS that is over ten years old and has been overcome by MOPS documents. There are still two major sections where the MASPS is to be the leader, those are the end-to-end latency and the update rates. We agreed that during the meeting, we would review the sections of the draft consolidated MASPS that were of concern to Dean and Rob.

2. Agenda Item #2

- 2.1 The preliminary Agenda for Meeting #25 at RTCA and the provided Teleconference and WebEx Session was posted as [Working Paper WG6-WP25-01](#). Gary displayed the preliminary Agenda for the Meeting room and via the WebEx internet session, and indicated that there were several additions to the Agenda as it was discussed. During the meeting, there were numerous additions to the Agenda as new Working Papers were added and reviewed and revised. Gary indicated that during this Meeting, as new Working Papers were available, they would be posted on the web page and the Agenda would be correspondingly updated, such that after the Meeting, the posted Working Paper would represent all of the materials presented.

3. Agenda Item #3

3.1 The Meeting Attendees were asked if there were any comments with regard to the content of the Summary of the WG-6 Meeting #24, which was held at RTCA on 3-4 May 2011 and published for this meeting as [Working Paper WG6-WP25-02](#). Gary opened and displayed the Working Paper, and stepped through it. As it was reviewed by the Meeting participants, there were no comments and the Minutes of Meeting #24 were accepted as published.

4. Under Agenda Item #4, the Meeting reviewed the Open Action Item list and it was agreed that several of the Section 4 authors were set to provide inputs for their sections during this meeting. As for Action 24-02, there was no report from Tom Pagano or Don Walker as to their actions with regard to discussing TIS-B at ICAO. This action will remain open.

5. Agenda Item #5 contained several bulleted items for discussion during this Meeting regarding issues related to the combining of the ADS-B and ASA MASPS, but not specifically in response to an Action Item.

5.1 Gary Furr offered [Working Paper WG6-WP25-03](#) as the first draft of the consolidated MASPS documents as a combination of numerous working papers that have been reviewed and agreed upon over the past several face-to-face meetings. This draft will represent the start of the combined document and will be added to as Working Papers are agreed for inclusion.

5.2 The Meeting continued with the review of Working Paper WP25-04 under Agenda Item 5b as presented by Rob Strain for the new materials relating to TIS-B and ADS-R requirements both in section 2 and section 3.2.1.4.x. During the discussion of the Working Paper, Rob indicated that there were a number of questions that he raised which he highlighted in yellow. As the details of the Working Paper were reviewed, it was edited in real time and the result was captured in [Working Paper WP25-04R1](#). This Working Paper will be returned to Rob so that he and Tom Pagano can make revisions prior to giving to Gary for integration into the next draft of the combined MASPS document.

5.3 The Meeting continued with the review of [Working Paper WP25-06](#) under Agenda Item 5d as presented by Pete Stassen regarding the definitions, descriptions and system level requirements for CDTI. During the discussion of the Working Paper, Pete indicated that there were a number of questions that he raised which he highlighted in yellow. Each of these issues were discussed and Pete made modifications to the version of the Working Paper on his laptop. There will not be a revised version of this Working Paper posted. It was agreed that Pete would make further revisions and forward the final product to Gary for inclusion into the draft combined document.

5.4 The Meeting continued with the review of [Working Paper WP25-13](#) under Agenda Item 5k as presented by Randy Bone related to the description of the Flight Deck Interval Management (FIM) application. Randy indicated that what he has provided in this Working Paper is straight cut-and-paste out of the SPR document (RTCA

- DO-328). After review of the Working Paper, it was agreed that Gary could proceed with integrating Working Paper WP25-13 into the draft of the combined MASPS.
- 5.5 The Meeting continued with the review of [Working Paper WP25-07](#) under Agenda Item 5e as presented by Jim Duke related to the description for the Traffic Situation Awareness with Alerts (TSAA) applications. After review of the Working Paper, it was agreed that Gary could proceed with integrating Working Paper WP25-07 into the draft of the combined MASPS.
- 5.6 The Meeting continued with the review of Working Paper WP25-09 under Agenda Item 5g as presented by Larry Kenney related to an attempt to provide a matrix for defining the names of ADS-B Applications. The spreadsheet in the Working Paper attempts to relate the various names as they have progressed in the various standards documents and TSOs. During discussions, it was agreed that the primary names in the new combined MASPS should track the names that are currently being used in the latest drafts of DO-317A. The Working Group reviewed the names used in DO-317A and made modifications to the spreadsheet to create [Working Paper WP25-09R1](#). In conjunction with the review of application names, the Working Group reviewed Working Paper WP25-08 as presented by Larry Kenney as an updated draft of Section 1 of the combined MASPS. As the Working Paper was being reviewed, edits were made to create [Working Paper WP25-08R1](#) and it was agreed that Gary could proceed with integrating Working Paper WP25-08R1 into the draft of the combined MASPS.
- 5.7 The Meeting continued with the review of [Working Paper WP25-10](#) under Agenda Item 5h as presented by Dave Elliott as the updated draft of ASSAP materials. Dave also provided a traceability matrix in [Working Paper WP25-11](#), which was reviewed briefly. During the discussion of the Working Paper, Dave indicated that there were a number of questions that he raised which he highlighted in yellow. Each of these issues were discussed and Dave made modifications to the version of the Working Paper on his laptop. There will not be a revised version of this Working Paper posted. It was agreed that Dave would make further revisions and forward the final product to Gary for inclusion into the draft combined document.
- 5.8 The Meeting continued with the review of [Working Paper WP25-12](#) under Agenda Item 5j as provided by Peter Moertl as an input for the Section 4 topic on SURF-IA. After review of the Working Paper, it was agreed that Gary could proceed with integrating Working Paper WP25-12 into the draft of the combined MASPS.
- 5.9 The Meeting continued with the review of [Working Paper WP25-16](#) under Agenda Item 5n as provided by Peter Moertl as an input for the Section 4 topic on GIM-S. After review of the Working Paper, it was agreed that Gary could proceed with integrating Working Paper WP25-16 into the draft of the combined MASPS.
- 5.10 The Meeting continued with the review of [Working Paper WP25-17](#) under Agenda Item 5o as provided by Ken Jones as an input for the Section 4 topic on ITP. After review of the Working Paper, it was agreed that Gary could proceed with integrating Working Paper WP25-17 into the draft of the combined MASPS.

- 5.11 The Meeting continued with the review of [Working Paper WP25-14](#) under Agenda Item 5l as offered by Dean Miller as an update to the materials in Section 3. As this Working Paper was being reviewed, some modifications were made to create Working Paper WP25-14R1. It was agreed that this revised Working Paper would not be posted, but that some of the materials belong in Section 1 and the source of this Working Paper will be turned over to Larry Kenney to incorporate into Section 1.
- 5.12 The Meeting continued with the review of [Working Paper WP25-15](#) under Agenda Item 5m as offered by Rudy Johnson as new materials for the External Subsystems section. As this Working Paper was being reviewed, some modifications were made to create Working Paper WP25-15R1. It was agreed that this revised Working Paper would not be posted, but that the source document would be returned to Rudy for further revisions before review at the next Teleconference.
- 5.13 The Meeting continued with the review of [Working Paper WP25-05](#) under Agenda Item 5c as offered by Tom Pagano. Upon review of this Working Paper, it was determined that the materials of the Appendix were no longer needed in the new MASPS. This Appendix was deleted from the Table of Contents of the new MASPS.
- 5.14 The Meeting continued with the review of the draft short version of the Table of Contents which had been offered in previous meetings. After some discussion, the outlines for Sections 3.4 and 3.5 were almost completely changes, along with the deletion of what was Appendix J as reviewed in Working Paper WP25-05. As it is easier to edit the document in which this short TOC was maintained, it was requested by the Working Group that this short version of the TOC be maintained as [Working Paper WP25-18](#).

6. Agenda Item #6

- 6.1 The Meeting Attendees reviewed the proposed future meeting dates and the following table indicates the currently agreed upon meeting and teleconference dates.

Meeting	Dates/Time	Meeting Location
#26	17 August 2011	Teleconference/WebEx starting at 9:00am EDT
#27	13 – 15 September 2011	RTCA Washington DC
#28	19 October 2011	Teleconference/WebEx starting at 9:00am EDT
#29	15 – 17 November 2011	Currently proposed for Seattle WA
	Mid-December	Distribute a FRAC copy of the combined MASPS

- 7. The following is a summary of all of the Open Action Items. The status of Action Items was discussed briefly under Agenda Item #4 and then updated with discussions and assignments during the Meeting.

Action Number	Open Action Item Descriptions	Assigned to	Status
24-01	Make a decision on which version on the application requirements will actually appear in DO-3xx Section 4. If MOPS requirements exist, then they should be used. If no MOPS exist, then the requirements from the SPR should be used.	Section 4 Authors	Closed by WP25 Except for Eric Vallauri sections
24-02	After review of the TIS-B and ADS-R Services Descriptions in WG-6-WP24-04, it was agreed by the Working Group that Don and Tom need to have a separate discussion regarding how to take some TIS-B implementation guidelines to the International community through ICAO.	Tom Pagano Don Walker	

8. The **Working Papers** for the reconvened SC-186 WG-6 Meetings, as well as the Meeting Agendas, Meeting Minutes, Action Items, Meeting Schedules and proposed draft modifications to the ADS-B and ASA MASPS will be posted on the new RTCA Workspace environment. For the time being, all of the previously identified elements will also continue to be posted on the web site maintained at the FAA Technical Center at:

<http://adsb.tc.faa.gov/WG6.htm>