

**RTCA SC-186 Working Group 6**  
**Summary of Meeting #27**  
**Held at RTCA on 13 – 15 September 2011**  
**For The Maintenance and Updates of the ADS-B & ASA MASPS**

The 27th meeting of RTCA SC-186 Working Group 6, for the maintenance, updates and combining of the ADS-B and ASA MASPS documents, referenced herein as Meeting #27, was called to order by WG-6 Co-Chair, Dean Miller of Boeing shortly after 9:00am EDT on 13 September 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, either in person at RTCA, or on the Teleconference and WebEx session, included the following:

Bill Chung, SAIC	Stan Jones, Mitre
Jim Duke, SAIC	Larry Kenney, Raytheon
Dave Elliott, Mitre	Dean Miller, Boeing
John Fisher, FAA AIR-130	Tom Pagano, FAA, ATO-P FAATC-AJP-653
Gary Furr, Engility Corp., FAATC-AJP-653	Mark Reed, ALPA
David Gray, FAA SBS Prog Off	Peter Stassen, Mitre
Major Gregory Grozdits, USAF Hanscom AFB MA	Rob Strain, Mitre
Rudy Johnson, L-3/ACSS	Bill Thedford, Consultant USAF

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.

2. Agenda Item #2

- 2.1 The preliminary Agenda for Meeting #27 was posted on the Meeting #27 web page as Working Paper WG6-WP27-01. Gary displayed the preliminary Agenda for the Working Group review. During the meeting, several Working Papers were revised and several new Working Papers were introduced. These revised and new Working Papers were added to the Agenda and Gary indicated that the final version of the Agenda would be posted to the web page after the end of the Meeting #27 and marked as the “final” Agenda.

3. Agenda Item #3

- 3.1 The Minutes of Meeting #26 held as a Teleconference and WebEx Session on 17 August 2011 was posted to the Meeting #27 web page as Working Paper WG6-WP27-02. There was no discussion or questions related to the posted Minutes. The Minutes of Meeting #26 were therefore accepted as published.

4. Under Agenda Item #4, Gary briefly indicated that Action 24-02 was still open and there has been no report from Tom Pagano or Don Walker as to their actions with regard to discussing TIS-B at ICAO. Tom indicated that because of the upcoming ASP Working Group Meeting at ICAO 26-30 September, he would talk to Don Walker about their plans to discuss TIS-B with ICAO. Additionally, part of Action Item 24-01 is still outstanding on Eric Vallauri for inputs for Section 4 for the AIRB, VSA and basic SURF applications. Eric has indicated that with the publication of the FRAC draft of DO-317A, he will provide the input for his Section 4 applications, as they have been recently revised by the Working Group 4 review of DO-317A. It is hoped that these draft sections can be provided and integrated prior to the next WG-6 Teleconference on 19 October.
  
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 any Action Item. The Working Papers were not taken in the specific order in the following subparagraphs, however the detail below is accurate for the discussions of the Working Group regarding the specific Working Papers.
  - 5.1 Gary Furr offered Working Paper WG6-WP27-03 as the continuing draft of a short version of the Table of Contents of the combined MASPS document. During the RTCA Meeting #26, this file was opened and edited as the Working Group decided to make revisions. Working Paper WG6-WP27-03R1 represents the final version of the file from Meeting #27. There was the addition of information related to what sections were still missing complete drafts. This will be held in case it is needed during the briefing to the SC-186 Plenary on 28 October 2011. Gary indicated that he will continue to maintain this short TOC for the next couple meetings in case there needs to be refinement to the section arrangements.
  - 5.2 Gary offered Working Paper WG6-WP27-04 was the version 3.0 draft of the combined MASPS. Gary indicated that this version of the draft MASPS is basically the same as was presented during the Meeting #26 Teleconference. The Working Group decided to perform a page-by-page review of the draft version 3.0 source and with that review, version 4.0 was created and maintained during the meeting.
  - 5.3 The Meeting continued with the review of Working Paper WP27-05R1 under Agenda Item 5c as presented by Dean Miller as a proposed update to the draft MASPS section 3.3.1. The original Working Paper was posted prior to the meeting, but before the Working Group reviewed it, Dean made revisions that were labeled as WP27-05R1, and this was the document on which review was achieved. While the Working Paper was being reviewed, further changes were made and saved as Working Paper WG6-WP27-05R2. The most recent version will be posted to the Meeting web page after the end of the Meeting.
  - 5.4 The Meeting continued with the review of Working Paper WP27-06 under Agenda Item 5d as presented by Tom Pagano as an update to a proposed Appendix H for Track Acquisition and Maintenance. Tom reviewed the original Appendix and made the decision that it was still relevant and should be retained. It was reviewed and the Working Group agreed that it should remain in the combined MASPS. It will be

formally brought into the next official version 4.0 MASPS prior to the Teleconference on 19 October.

- 5.5 The Meeting continued with the review of Working Paper WP27-07 under Agenda Item 5e as provided by Dean Miller as a significant update to the current draft of section 2 of the combined draft MASPS. Since the original document was provided on the morning of 13 September and was not ever posted to the web page for the meeting, the document was reviewed and edited as the Working Group discussed each change. The resulting document was then posted as Working Paper WP27-07. **Action Item 27-01** was accepted by Dean Miller to take a look at all of the tables in Section 2 and coordinate the naming of all columns/applications/etc.
- 5.6 The Meeting continued with the review of Working Paper WP27-08 under Agenda Item 5f as provided by Dean Miller as a proposed update to the section §3.4.3.6 since that section was not in the draft of the combined MASPS as presented in WP27-04. The Working Group went back to the Meeting #24 folders and revived WG-6-WP24-11 which was presented during the 24<sup>th</sup> Meeting, but apparently never got into the MASPS draft. No specific reason was noted as to why the materials in WP24-11 were not incorporated into the draft MASPS, but Gary indicated that it was probably because there was an indication that Dean was going to perform further editing prior to the section being integrated. At any rate, after some editing and markup, it was agreed that WP27-08 would be sent back to Dean for further editing and updates and that this modification of WP27-08 would again be submitted for a future insertion into the combined draft.
- 5.7 The Meeting continued with the review of Working Paper WP27-09 under Agenda Item 5g as provided by Rudy Johnson as an updated version of the section 3.6 for the external subsystems. Rudy explained where the changes are from the version last reviewed during the previous meeting. After some modifications were discussed and applied to the file, the resulting Working Paper will be posted on the web page and the detail in the Working Paper are ready to be included into the next version 4.0 of the combined draft of the MASPS.
- 5.8 The Meeting continued with the review of Working Paper WP27-10 under Agenda Item 5h as originally provided by Larry Kenney as a spreadsheet containing the various names of ADS-B IN Applications as they have been tracked across various documents, Working Groups and Committees. It was agreed that this spreadsheet would be included at the end of the proposed Appendix A of the combined MASPS. It was further agreed that a copy of this spreadsheet would be included in the WG-6 briefing to the SC-186 Plenary on 28 October as an indication of the need for better standardization when using references to Application names.

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
#28	19 October 2011	Teleconference/WebEx starting at 9:00am EDT
#29	14 – 17 November 2011	Hilton Garden Inn, Everett WA, starting at 1:00pm PST
	Mid-December	Distribute a FRAC copy of the combined MASPS to SC-186, indicate return comments not later than 3 February 2012
#30	15 February 2012	Teleconference/WebEx starting at 9:00am EST to review comments received and assign actions
#31	2/28 to 3/1/2012	Location TBD to resolve all comments against FRAC copy
	15 or 16 March 2012	Will recommend to SC-186 to hold a Plenary for review and acceptance 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	<b>Closed by WP25 Except for Eric Vallauri sections</b>
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	
27-01	Take a look at all of the tables in Section 2 and coordinate the naming of all columns/applications/etc.	Dean Miller	
27-02	Review all shall statements in the integrated document to be distributed by Gary, and determine if the requirement came from either of DO-289/DO-242A/DO-286B and insert the requirement number in braces i.e., {242AR3.212}	All authors	

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>