

**RTCA Paper No. 105-08/SC209-020**  
**Minutes of Plenary Meeting #08 of RTCA SC-209**  
**For The Maintenance of the ATCRBS & Mode-S MOPS**  
<http://adsb.tc.faa.gov/SC209.htm>

The Plenary Session of RTCA/SC-209 Meeting #8 was called to order by SC-209 Co-Chair, Thomas Pagano at 9:00am on 18 June 2008, at RTCA Headquarters in Washington DC. Mr. Pagano 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 or on the teleconference included the following:

Mark Annee, representing U.S. Navy	Andrew Leone, FAA Tech Center
Raymond Bayh, BAE Systems	Roland Mallwitz, DFS, Germany (WG-49 by phone)
Bob Clarke, Alion Science	Eric Potier, Eurocontrol, Brussels (WG-49 by phone)
Rob Duffer, FAA	Tom Pagano, FAA Tech Center – AJP-653
John Fisher, Consultant U.S. Air Force	Robert Saffell, Rockwell Collins
Gary Furr, L-3/Titan, FAATC–AJP-653	William Thedford, Consultant, U.S. Air Force
Martin Gray, Trig Avionics	Nolan Van Foecken, Garmin International
Antoine Herve, DGAC (French CAA) (WG-49 Chair, by phone)	Don Walker, Honeywell International
Richard Jennings, FAA, AIR-130	

1. Agenda Item #1

- 1.1 Robert Duffer, was with us during this meeting as the Designated Federal Official. Mr. Duffer additionally welcomed all attendees and thanked the Committee for all of the work over the last several years to harmonize the transponder MOPS.

2. Agenda Item #2

- 2.1 With the proposed Agenda displayed, Mr. Pagano indicated that the two primary goals for this Plenary meeting are to go over comments against DO-144A and DO-181D and to come to agreement on any changes and to approve both documents for review by the RTCA PMC and for publication. Hearing no changes to the proposed Agenda in Working Paper WP08-01, Tom declared that the Agenda was accepted and we began to progress on the Agenda as offered to the Plenary Session.

3. Agenda Item #3

- 3.1 Mr. Pagano referred to Agenda Item #3 to discuss the Minutes of SC-209 Working Group #1, Meeting #6, which were presented to this Plenary Session as Working Paper SC209-WP08-02. There were no comments regarding the Minutes of Working Group #1 Meeting #6, and the Minutes were accepted by the Joint Plenary Session as presented in Working Paper SC209-WP08-02.

#### 4. Agenda Item #4

- 4.1 The meeting began to start the review of all of the consolidated set of comments against the draft version of DO-181D offered in Working Paper WP08-04. The Plenary stepped down through WP08-04 addressing each comment and annotating each suggested resolution with the agreed solution of the Plenary. This continued throughout the remainder of the day of 18 June. At the end of the business day, Gary Furr then took the revised draft of DO-181D, noted as version 2.1 in WP08-03R1, and the revised version of the consolidated set of comments, noted as WP08-04R1, and along with the three Figures that had been modified during discussions, emailed all materials to Antoine Herve, Roland Mallwitz and Eric Potier of Eurocae WG-49 for their review during their session at Eurocontrol on the morning of 19 June.
- 4.2 On the morning of 19 June, the Plenary Session began again with the review of comments in the revised Working Paper WP08-04R1 as we awaited WG-49 to join us in teleconference. After WG-49 joined by telephone and internet session, the Plenary Session stepped back through several comments which were identified by WG-49 as concerns. Each of these concerns were addressed and some changes were made to the solutions as captured in the revision to the Working Paper WP08-04R2, and in the revised draft of DO-181D captured as version 2.2 in WP08-03R2. This process of review continued until all comments in WP08-04R2 had been reviewed and agreed upon. Several Action Items were assigned to resolve open issues, as noted in the table below.

#### 5. Agenda Item #5

- 5.1 The Meeting continued with the review of all of the consolidated set of comments against the draft version of DO-144A offered in Working Paper WP08-05. The Plenary stepped down through this document addressing each comment and annotating each suggested resolution with the agreed solution of the Plenary. This continued until all of the comments against DO-144A had been addressed and resolved. Agreed upon resolutions were captured in the revision of the Working Paper noted as WP08-06R1, and the revision of the draft of DO-144A, noted as version 2.2.
  - 5.2 Having reviewed and resolved all of the issues related to DO-144A, the SC-209 Plenary received a motion that DO-144A be approved and published. It was then voted on and agreed by the SC-209 Plenary that DO-144A would be forwarded to the RTCA PMC for their review, and for publication, as has been captured in the draft of version 2.2 during this Plenary Session.
6. Several Action Items were assigned during the process of review of the draft of DO-181D for resolution prior to the next meeting of SC-209 at RTCA for the purpose of reviewing ED-73C along with Eurocae WG-49 during their meeting on 20 – 21 August 2008.

Action Number	Open Action Item Descriptions	Assigned to	Status
8-1	As relates to a change in Figure 2-18 pointed out by Judy Loewe of Honeywell, it was agreed that there needed to be a change to the ICAO SARPs. Bob Saffell agreed to create a working paper for the ICAO ASP TSG meeting in Paris to indicate the setting of the AQ bit and the coding of the RI field.	Bob Saffell	
8-2	Pursuant to a comment against DO-181D §2.7.4.1, Don Walker will create a working paper for the ICAO ASP TSG meeting in Paris related to the SLC command.	Don Walker	
8-3	The Plenary agreed with parts of a comment against DO-181D §2.7.5.2, part b, note 1. It was agreed that the note should be changed in all locations in §2.6 or §2.7 where it appeared. Gary Furr agreed to make those changes after the meeting.	Gary Furr	<b>Done</b>
8-4	Pursuant to a comment by Kevin Wilson of Honeywell against the draft of DO-181D, §2.7.6.12 part a, (5) Bob Saffell agreed to check a data value related to the comment. Bob will get back to Gary with the result.	Bob Saffell	<b>Done</b>
8-5	Pursuant to a comment by Kevin Wilson of Honeywell against the draft of DO-181D, Appendix A.1 to add ELS, EHS, UAT, VOR, SLS, MSB, Gary Furr agreed to perform that task after the meeting.	Gary Furr	<b>Done</b>
8-6	Nolan Van Foeken raised an issue prior to the Plenary regarding when a transponder transitions and whether an alert should be processed. This issue has previously been addressed by ICAO ASP TSG in working paper ASP03-16, but we were not able to verify a solution. Tom Pagano agreed to write a proposed change to cover Nolan's comment as a proposed resolution.	Tom Pagano	
8-7	Kevin Wilson pointed out that a table was missing in §2.6.6.6, part a (2). Bob Saffell agreed to review and provide this missing table.	Bob Saffell	<b>Done</b>
8-8	Gary Furr will provide the three modified figures to Eric Potier in the old Visio formats.	Gary Furr	<b>Done</b>

7. The **Working Papers** for all SC-209 Meetings, as well as the Meeting Agendas, Meeting Minutes, Meeting Schedules and proposed modifications to the ATCRBS and Mode-S MOPS will be posted on the web site maintained by Gary Furr at the FAA William J Hughes Technical Center, located at:  
<http://adsb.tc.faa.gov/SC209.htm>

As reported in the Meeting Summary of Eurocae WG-49, Meeting #6, members of SC-209 may access the WG-49 workspace through the Eurocae web site located at:  
<http://www.eurocae.org/> Login: WG49 and password: MODE-S

Also, the workspace of Eurocae WG-51 can be accessed by SC-209 members through the same Eurocae web site with: Login: WG51 and password: ADSB