

RTCA Paper No. 302-16/SC209-035
October 21, 2016

SIXTEENTH MEETING
RTCA SC-209 & EUROCAE WG-49
ATCRBS / MODE-S TRANSPONDER

DATE: October 21, 2016
PLACE: RTCA Conference Rooms
1150 18th Street, NW, Suite 910
Washington, D.C. 20036

The attendees included:

SC-209 Co-Chairs

Thomas Pagano The Regulus Group
Robert Saffell Rockwell Collins

WG-49 Chair

Eric Potier EUROCONTROL

SC-209 Designated Federal Official

Don Walker Federal Aviation Administration

SC-209 Secretary

Timothy Steiner Federal Aviation Administration

Participants during part, or all, of the meeting (both present and on WebEx/Telecon):

Doug Arbuckle	Federal Aviation Administration (FAA)
Miles Bellman	Volpe
Stephen Darr	Dynamic Aerospace
Aaron Duttle	National Aeronautics and Space Administration (NASA)
Alex Engel	EUROCAE
Jack Field	MITRE
Jean-René Gely	Thales Group
Douglas Guetter	Aviation Communication & Surveillance Systems (ACSS)
Kevin Hallworth	European Aviation Safety Agency (EASA)
Matt Haskin	Advanced Core Concepts
Mathieu Hialé-Guilhamou	Airbus
Jun-ichi Honda	Electronic Navigation Research Institute (ENRI)
Randy Jacobson	Rockwell Collins
Eric Jauny	DSNA-DTI
Edward Johnson	Federal Aviation Administration (FAA)
Stuart McKay	NATS UK
Thomas Pagano	Regulus Group
Eric Potier	EUROCONTROL
Bob Saffell	Rockwell Collins
Brian Sanderson	MITRE
Al Secen	RTCA
Ashutosh Sharma	Boeing
Todd Skoog	Garmin
Milan Sopata	Honeywell International
Timothy Steiner	Federal Aviation Administration (FAA)
Jörg Steinleitner	EUROCONTROL
Morgan Sundell	Transport Styrelsen
Don Walker	Federal Aviation Administration (FAA)
Kevin Wilson	Honeywell International
Wen Yang	Saab Sensis

**** Note: All files named herein can be downloaded from the RTCA workspace. ****

SC-209 Plenary Files:

<http://workspace.rtca.org/apps/org/workgroup/sc-209/>

Combined Surveillance Committee Files:

<http://workspace.rtca.org/apps/org/workgroup/combsurvcomm/>

The sixteenth meeting of RTCA Special Committee 209 was held in joint session with EUROCAE Working Group 49 on October 21st, 2016. This meeting convened at the end of the week which saw the Combined Surveillance Committee (CSC) meet in support of the effort to update the Mode S Transponder and ADS-B 1090ES MOPS. The CSC is composed of four committees: RTCA SC-209 WG-1, EUROCAE WG-49, RTCA SC-186 WG-3, and EUROCAE WG-51 SG-1. The first two days, 17-18 October, focused on Mode S Transponder material exclusively. The following two days, 19-20 October, included joint Transponder and ADS-B 1090ES material. The minutes detailing the discussion which transpired during those meeting days may be found on the RTCA Workspace for the Combined Surveillance Committee at the above mentioned link.

1. Introduction and Welcome for SC-209 / WG-49

The meeting was called to order by SC-209 Co-Chair Thomas Pagano of the Regulus Group at 9:00 AM (EDT) on October 21, 2016. Mr. Pagano began the meeting with a welcome to all participants and introductions of committee Chairs. All those in attendance were then asked to sign-in, if present, and announce their name and the organization they were there to represent. Mr. Pagano then briefly covered the work on updates to the Mode S Transponder and ADS-B 1090ES MOPS which had occurred previously in the week.

As the SC-209 Designated Federal Official (DFO), Don Walker read the DFO Public Meeting Announcement.

Al Secen, the RTCA Program Director, welcomed all attendees to the Plenary and provided introductory meeting information for those new to the meeting location. Mr. Secen followed a formal recognition of the SC-209 Co-Chairs with background on the nature of the RTCA as well as the importance of the work which is performed within its committees. He then covered the membership policy and reviewed the policy regarding Intellectual Property Rights (IPR) and restrictions regarding its use within the standards produced by the RTCA. Eric Potier, Chair of EUROCAE WG-49, followed Mr. Secen with a corresponding statement regarding EUROCAE policy, specifically highlighting restrictions on the use of IPR within European standards documents.

(Plenary Kickoff Announcement.pptx).

2. Review of Agenda

The Plenary agenda was reviewed by SC-209 Co-Chair Tom Pagano. Stephen Darr requested permission to present to the committee an Inter-Special Committee Requirements Agreement (ISRA) with SC-206. The presentation of which was agreed upon and, therefore, this item was added to the agenda. *(SC209 Meeting #16 – Agenda.pdf)*

3. Review of Minutes from the 15th Meeting of SC-209

The Minutes from the 15th Meeting, held the week of 1 – 5 February 2016, were approved without comment.

(Meeting Minutes 15th meeting of SC209.pdf)

4. RTCA SC-209 WG-1 & EUROCAE WG-49 Activity

The committee was reminded that RTCA SC-209 WG-1 and EUROCAE WG-49 were meeting jointly in the effort to update the Mode S Transponder MOPS (DO-181/ED-73). This was followed by a brief review of the week's activity. Mr. Pagano then asked if any members in attendance would like further details on the issues currently being reviewed for consideration in the draft MOPS. Hearing no such requests, the members were advised that minutes detailing the work of WG-1 would be posted to the workspace for review.

Eric Potier sought clarification on the method which would be used for tracking changes to the standards documents. Tim Steiner confirmed that the changes would be logged and posted to the workspace along with draft versions of the MOPS for members to review. The Co-Chairs agreed to this method and attention turned to other business.

5. Inter-Special Committee Requirements Agreement with SC-206

Stephen Darr brought before the committee a request for an ISRA from RTCA SC-206. SC-206 has been working on a MASPS for Aeronautical Information and Meteorological Data Link Services. The specific request contained within the ISRA was for a joint effort supporting the establishment of requirements within the Mode S Transponder MOPS which would enable the transfer of Aircraft-based Observation (AbO) meteorological parameters. There was a discussion on what was being requested, along with the request to clarify corresponding language within the ISRA. The changes to the language were made during the conversation and SC-209, then, agreed to the ISRA as modified on the 21st day of October 2016. As the original version of the ISRA was the language that SC-206 had agreed to, Mr. Darr took the action to bring the revised version back to SC-206 for their approval. Mr. Darr thanked the committee for their consideration in this matter and then informed everyone that Rocky Stone would be bringing a similar ISRA to the SC-186 Plenary on November 4th, 2016.

(ISRA SC-206 to SC-209 AbO 2016-09-16 (SG1) - as agreed by SC-209 on 20161021.pdf)

6. Other Business

No other business was brought before the committee.

7. Future Meetings

The next SC-209 Plenary was, tentatively, planned for October 2017 at RTCA Headquarters in Washington, DC. This would, once again, be in conjunction with a meeting of the Combined Surveillance Committee. Further details were agreed to be discussed at a future meeting of the Combined Surveillance Committee, with corresponding announcements to be made at that time.

8. Adjournment

With no other business before the committee, Tom Pagano and Bob Saffell thanked everyone for their participation and adjourned the Plenary.

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Timothy Steiner
Secretary, SC-209

CERTIFIED as a true and
accurate summary of the meeting.

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Thomas Pagano
Co-Chair, SC-209

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Robert Saffell
Co-Chair, SC-209