

RTCA Paper No. 263-18/SC209-038
October 05, 2018

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

DATE: October 05, 2018

PLACE: RTCA Headquarters
1150 18th Street NW, Suite 910
Washington, DC 20036

The attendees included:

SC-209 Chair

Thomas Pagano The Regulus Group

WG-49 Chair

Eric Potier EUROCONTROL

SC-209 Government Authorized Representative

Gregg Nesemeier Federal Aviation Administration

SC-209 Secretary

Timothy Steiner Federal Aviation Administration

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

Doug Arbuckle	FAA
Raymond Bayh	BAE Systems
Jason Berger	Harris Corporation
Julien Damblemont	Thales Group
Steve Darr	Dynamic Aerospace
Aaron Dutle	NASA
Alex Engel	EUROCAE
Matthew Erickson	Rockwell Collins
Stefano Fiorenzi	Leonardo
Jean-René Gely	Thales Group
Martin Gray	Trig Avionics Limited
Douglas Guetter	ACSS
Ed Hahn	ALPA
Matt Haskin	Advanced Core Concepts
Randy Jacobson	Rockwell Collins
Eric Jauny	DSNA-DTI
Ed Johnson	FAA
Ian Macoomb	Nav Canada
André Marques	Airbus
Gregg Neseimeier	FAA
Lee Nguyen	FAA
Takuya Otsuyama	ENRI
Tom Pagano	Regulus Group
Darrell Pennington	ALPA
Eric Potier	EUROCONTROL
Jen Scott	MITRE
Al Secen	RTCA
Todd Skoog	Garmin
Timothy Steiner	FAA
Jörg Steinleitner	EUROCONTROL
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/>

The eighteenth meeting of RTCA Special Committee 209 was held in joint session with EUROCAE Working Group 49 on October 5th, 2018 at RTCA Headquarters in Washington, D.C. This meeting convened at the end of a week which saw the Combined Surveillance Committee (CSC) meet in support of their 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 minutes detailing the discussion which transpired during those meeting days may be found on the RTCA Workspace for the Combined Surveillance Committee.

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 just after 9:00 AM (EST) on October 5th, 2018. 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 those participating online were asked to announce their name and the organization they represent.

Al Secen, the RTCA Program Director, welcomed all attendees to the Plenary and, following a formal recognition of the SC-209 Chair, provided 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 both the anti-trust and propriety information policies. Alexander Engel, the EUROCAE Liaison, followed Mr. Secen with a corresponding statement regarding EUROCAE policy, highlighting the similar nature of policies for EUROCAE meetings and European standards documents.
(*RTCA Policy Slides.pdf*)

2. Review of Agenda

The Plenary agenda was reviewed by SC-209 Co-Chair Tom Pagano. Mr. Pagano noted that, while the Plenary was an RTCA requirement, EUROCAE WG-49 had been included due to the joint nature of the work developing the Transponder MOPS.
(*sc-209_oct_2018_agenda.pdf*)

3. Review of Minutes from the 17th Meeting of SC-209

Prior to discussion of the Minutes, Tom Pagano commented on the loss of SC-209 Co-Chair Robert “Bob” Saffell who had recently passed away - stressing that Mr. Saffell’s expertise and personal presence at the meetings would sorely be missed.

The Minutes from the previous meeting were then reviewed and a discussion of updates and changes followed.

At the previous Plenary, Gregg Nesemeier was acting in the role of Designated Federal Official. It was clarified that, while Mr. Nesemeier’s role remained the same, his new position title would be Government

Authorized Representative. This change was due to RTCA's recent transition from a Federal Advisory Committee to a Standards Development Organization.

In response to a question from the Committee on the status of the Phase Modulation IPR, Al Secen and Alexander Engel both confirmed that RTCA and EUROCAE had accepted a satisfactory Commitment to License (CtL) from ACSS/L3 and the material was acceptable for inclusion into the updated MOPS.

Upon completion of the review of the Minutes and corresponding discussion, the Committee accepted the Minutes from Meeting 17.

(Minutes - SC-209 Plenary Meeting #17 - 20171026.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). In addition, the effort to update the transponder MOPS was proceeding jointly with that for the ADS-B 1090ES MOPS. The completion date for this development cycle was noted to be in late 2019. Mr. Pagano then provided a summary review of all issues which were being addressed in this development cycle for the Transponder MOPS.

(SC-209-WP18-01 - Review of Mode S Transponder Issues Being Addressed.pdf)

Eric Potier concurred with Mr. Pagano's summary and added that the joint development effort ensured that both Committees were working on the same points. Noting that there was no divergence in the list, Mr. Potier did not repeat the summary which had been provided.

5. Other Business

Tom Pagano opened the floor to other business. Hearing none, the focus of the meeting turned to future meetings and schedule.

6. Future Meetings

As the Plenary meetings were to be held in conjunction with the Combined Surveillance Committee (CSC) meeting schedule, Tom Pagano suggested, and the SC-209 Committee agreed to, Friday September 20th, 2019 as the date of the next Plenary meeting. Al Secen added that, as the Committee progressed closer to the completion date, additional Plenary meetings would be required. The general schedule was laid out as being: open Final Review and Comment (FRAC), close FRAC, close document, and referral of the document to the RTCA Program Management Committee (PMC) for approval. This timeline would require at least two additional Plenary sessions, one to open FRAC and one to close FRAC (at which time, the date of presentation to the PMC could be set). Mr. Secen further noted that the Plenary to close FRAC would necessitate a face-to-face meeting of SC-209. Alexander Engel concurred with Mr. Secen's summary, stating that the development timeline and meeting schedule for EUROCAE WG-49 would be in sync with that of RTCA.

8. Actions

The final order of business for the Plenary was an action item review. Gregg Nesemeier noted the current action was regarding the search for an SC-209 Co-Chair and requested guidance from RTCA on that process. Tom Pagano noted that, while Mr. Saffell could never be replaced, the Committee should look to industry for representation in the Committee as Co-Chair. Al Secen explained that the final decision for SC-209 Co-Chair would fall with the PMC and corresponding Terms of Reference (ToR) changes would be required.

7. Adjournment

With no further actions or other business before the committee, Tom Pagano thanked everyone for their participation and adjourned the Plenary at 9:30 (EST).

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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
Chair, SC-209