

RTCA Paper No. 105-22/SC209-050
December 17, 2021

TWENTY FOURTH MEETING

RTCA SC-209

(Joint with EUROCAE WG-49)

ATCRBS / MODE-S TRANSPONDER

DATE: December 17th, 2021

PLACE: Webex/Telcon

The attendees included:

SC-209 Chair

Thomas Pagano The Regulus Group
Matthew Erickson L3 Harris

WG-49 Chair

Eric Potier EUROCONTROL

SC-209 Government Authorized Representative

Matthew Haskin Federal Aviation Administration

SC-209 Secretary

Timothy Steiner Federal Aviation Administration

Participants during all, or part, of the meeting (WebEx/Telcon):

Doug Arbuckle	FAA
Miles Bellman	FAA
Julien Damblemont	Thales
Steve Darr	Dynamic Aerospace
Alex Engel	EUROCAE
Matthew Erickson	L3 Harris
Jack Field	MITRE
Doug Guetter	Honeywell
Ed Hahn	ALPA
Matt Haskin	FAA
Randy Jacobson	Collins Aerospace
Eric Jauny	DSNA-DTI
Larry Kenney	Raytheon
Andy Leone	FAA
Ian Maccoomb	NAV Canada
Pat Maggard	FAA
Matthias Maier	Airbus
Stuart McKay	UK CAA
Tom Pagano	Regulus Group
Eric Potier	EUROCONTROL
Bill Rogoza	Raytheon
Jenipher Scott	MITRE
Al Secen	RTCA
Todd Skoog	Garmin
Timothy Steiner	FAA
Jessie Turner	Boeing
D.J. Winkel	Garmin
Wen-Hei Yang	Saab Sensis

**** Note: All files named herein can be downloaded from the RTCA workspace. ****
[SC-209 Plenary Files](#)

The twenty fourth meeting of RTCA Special Committee 209 was held on December 17th, 2021 via Webex/Telcon. The Plenary was held jointly with WG-49, with representatives from both RTCA and EUROCAE present. This meeting was held in order to seek resolution of the Final Review and Comment (FRAC) / Open Consultation (OC) period for the Change 1 to the RTCA DO-181F / EUROCAE ED-73F MOPS, and get acceptance of the final documents for presentation to the RTCA Program Management Committee (PMC) and EUROCAE Council. This meeting was held immediately following the SC-186 Plenary which included on its agenda a similar action for the Change 1 to the ADS-B 1090ES MOPS. The CSC is a joint RTCA / EUROCAE effort, composed of four committees: RTCA SC-209 WG-1, EUROCAE WG-49, RTCA SC-186 WG-3, and EUROCAE WG-51 SG-1.

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

The meeting was called to order by SC-209 Co-Chair Thomas Pagano of the Regulus Group at 11:01 AM (EDT) on December 17th, 2021. Mr. Pagano, Co-Chair Matthew Erickson and the Chair of EUROCAE WG-49 Eric Potier began the meeting with a welcome to all participants.

Al Secen welcomed all attendees to the Plenary and reminded the attendees of the membership policy and both the anti-trust and propriety information policies for RTCA and EUROCAE.

2. Review of Agenda

The agenda was reviewed and the floor was open to any changes or modifications to the proposed schedule. No comments against the Agenda or other business was raised by the attendees.

3. Review of Minutes from the 23rd Meeting of SC-209

Tom Pagano noted that the Minutes from the previous SC-209 Plenary were posted on the RTCA workspace and he opened the floor for comments and/or corrections to the posted Minutes. With no comments received, the Minutes were accepted as posted.

(Meeting Summary Plenary 23.pdf)

4. Status Brief

Tom Pagano presented a status briefing on the activity of SC-209 toward a Change 1 of DO-181F. The presentation provided background rationale for the Change 1 document as well as a summary of changes implemented in the document. A planned submission of the final document was proposed for out-of-cycle review, if possible, otherwise during the March 2022 Meeting of the PMC. Publication was announced to be expected soon after receiving PMC approval of the final Change 1 document.

A total of 59 comments were received during the FRAC/OC period with the following breakdown: 3 Non-Concur, 6 High, 6 Medium, 23 Low and 21 Editorial. It was confirmed that all non-editorial comments

were resolved during the Combined Surveillance Committee meeting from the 15th to 16th of December, 2021. Editorial comments being left for offline disposition by Committee leadership.

The Committee was informed of one additional potential item to address in the introductory text of Appendix B of the Transponder MOPS that arose from discussion of a comment against the ADS-B 1090ES MOPS (RTCA DO-260C / EUROCAE ED-102B) that referenced this section. A proposal was presented by Committee leadership to approve the Change 1 MOPS and to address this new item offline.

The issue raised during review of DO-260C / ED-102B comments related to data timeout language in the 1090ES MOPS that referenced a table with data maximum update intervals in Appendix B of the Transponder MOPS. Noting that this was not a comment received during FRAC, Al Secen and Tom Pagano proposed discussion to attempt a resolution during the Plenary meeting. It was agreed by the Committee that the language could be improved in order to prevent confusion, but modified language was not able to be settled upon during the discussion. Randy Jacobson agreed that his original comment against the DO-260C / ED-102B Change 1 document had been sufficiently resolved. As the Transponder MOPS language was not tied to a specific FRAC comment, the Committee agreed to identify this text for improvement during the next revision cycle. The Committee further identified the potential to address the text in the Technical Standard Order (TSO), if need be prior to the next Transponder MOPS development cycle.

Upon the conclusion of discussion, Tom Pagano proposed to move forward with acceptance of the DO-181F / ED-73F Change 1 document. No dissensions were raised. With Matt Erickson moving to accept the Change 1 and Randy Jacobson seconding, the Change 1 to DO-181F / ED-73F was accepted by Committee.

Al Secen noted that RTCA would provide the final Change 1 document to the PMC for review by January 3rd, 2022. Mr. Secen anticipated that after an approximate 2 week review by the PMC, if approved, the Change 1 document would be available on or around the 27th of January 2022.

With SC-209 work complete, Mr. Secen indicated that RTCA would request the PMC to approve the document and return SC-209 to Active Monitor status. Eric Potier and Alex Engel noted that EUROCAE WG-49 would not follow suit due to other active work that is not joint with RTCA SC-209.

(SC-209 Status Brief - Plenary 24.pdf)

5. Other Business

Tom Pagano opened the floor to the Committee for any additional business. No additional business was raised for discussion.

6. Adjournment

With no further actions or other business before the committee, the Chairs thanked everyone for their efforts on the Change 1 documents, congratulated the Committee on the completion of their work. The Plenary meeting was adjourned by the Co-Chairs shortly after 12 PM.

- S -

Timothy Steiner
Secretary, SC-209

CERTIFIED as a true and
accurate summary of the meeting.

- S -
Thomas Pagano
Co-Chair, SC-209

- S -
Matthew Erickson
Co-Chair, SC-209

DRAFT Until Approved by SC-209