

RTCA Paper No. 311-21/SC209-049
October 21, 2021

TWENTY THIRD MEETING
RTCA SC-209
(Joint with EUROCAE WG-49)
ATCRBS / MODE-S TRANSPONDER

DATE: October 21st, 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 (both in person and on WebEx/Telcon):

Julien Damblement	Thales
Steve Darr	Dynamic Aerospace
Ann Drumm	MIT Lincoln Laboratory
Alex Engel	EUROCAE
Matthew Erickson	L3 Harris
Jack Field	MITRE
Ed Hahn	ALPA
Matt Haskin	FAA
Randy Jacobson	Collins Aerospace
Eric Jauny	DSNA-DTI
Larry Kenney	Raytheon
Andy Leone	FAA
Ian Maccoomb	NAV Canada
Stuart McKay	UK CAA
Tom Pagano	Regulus Group
Eric Potier	EUROCONTROL
Jenipher Scott	MITRE
Al Secen	RTCA
Todd Skoog	Garmin
Timothy Steiner	FAA
Jessie Turner	Boeing
D.J. Winkel	Garmin

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

SC-209 Plenary Files:

<https://aeropus.i3cloudservices.com/Group/GroupLanding/100?tab=Documents>

The twenty third meeting of RTCA Special Committee 209 was held on October 21st, 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 gain Committee approval for starting the Final Review and Comment (FRAC) / Open Consultation (OC) period for the Change 1 to the RTCA DO-181F / EUROCAE ED-73F MOPS. 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 11:04 AM (EDT) on October 21st, 2021. Mr. Pagano began the meeting with a welcome to all participants and then turned the meeting over to Al Secen of the RTCA for a policy review.

Al Secen welcomed all attendees to the Plenary and then he and Alex Engel covered the membership policy and both the anti-trust and propriety information policies for RTCA and EUROCAE. Additional information was provided as to the unique circumstances that precluded the Plenary meeting from being held in person.

Introductory statements concluded with EUROCAE WG-49 Chair Eric Potier and SC-209 Co-Chair Matt Erickson providing their welcoming remarks.

2. Review of Agenda

The agenda was reviewed and the floor was open to any changes or modifications to the proposed schedule. Eric Potier informed the Committee that bullet 6 of the agenda – for the approval of DO-181F to enter FRAC – also covered the approval of ED-73F to enter Open Consultation. Tom Pagano concurred, noting that this was a joint Plenary with EUROCAE for Change 1 to both DO-181F and ED-73F to enter the review period.

3. Review of Minutes from the 22nd Meeting of SC-209

Tom Pagano and Al Secen confirmed to the Committee that the Minutes from Meeting 21 of SC-209 had been posted to the RTCA Workspace. The floor was opened for comments and/or corrections to the Minutes. With no comments received, the Minutes were accepted as posted.

(SC-209 Meeting Minutes Plenary 22.pdf)

4. Status Brief

Tom Pagano presented the Co-Chair status briefing on the activity of SC-209. Following a review of the joint RTCA / EUROCAE work on developing the requirements documents, a summary of the issues addressed in the Change 1 document was discussed. The primary motivator for the Change 1 to the Transponder MOPS being revisions to reduce the number of registers serviced by the Basic Dataflash application. Additional corrections were also noted as being addressed in the Change 1 document. These include corrections to pulse tolerance specifications, test procedure corrections and additions, and a number of editorial fixes. Mr. Pagano then reviewed the remaining timeline and schedule to completion of the Change 1 document. The FRAC / OC period, upon approval by the Committee, was identified as running from the 26th of October until the 10th of December. Following the completion of the final review period, comments would be resolved during a two day meeting on the 15th and 16th of December, with Plenary approval of the final documents scheduled for December 17th. The review concluded with an official request to enter FRAC / OC. Matt Erickson motioned to approve entering FRAC / OC and Matt Haskin seconded. The floor was then handed to Eric Potier and Alex Engel who concurred with the approval and noted no objections were received from the EUROCAE side.

The format of the Change 1 documents were reviewed following approvals to enter FRAC / OC. The documents were to use line numbering with gray highlighting for new text and red strikethrough for removed text. The procedure for the FRAC / OC were also covered, noting that that this would only be a review of the Change 1 content and not of the documents as a whole. Al Secen followed this with a detailed review of the RTCA comment review and submittal process.

(SC-209 Status Brief - Plenary 23.pdf)

5. DO-181F / ED-73F Change 1 Schedule

- 26 October (Tuesday): Start of FRAC
- 10 December (Friday): End of FRAC
- 15 – 16 December (Wednesday – Thursday): CSC Meeting #3 (Comment Resolution)
- 17 December (Friday): SC-209 Plenary to approve Change 1 to DO-181F
- (mid January 2022): (anticipated) out-of-sequence PMC approval

(SC-209 Status Brief - Plenary 23.pdf)

6. Other Business

Tom Pagano rounded out the discussion by informing the Committee of the intent to return to an active monitor status upon submittal of the final Committee-approved Change documents to the PMC / Counsel for approval. Mr. Pagano then opened the floor to the Committee for any additional business. No additional business was raised for discussion.

7. Adjournment

With no further actions or other business before the committee, the Chairs 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.

- S -

Thomas Pagano
Co-Chair, SC-209

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Matthew Erickson
Co-Chair, SC-209