

RTCA Paper No. 169-19/SC209-039  
EUROCAE Reference No: EUR 161-19 / WG49-39  
June 20, 2019

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

**DATE:** June 20, 2019

**PLACE:** EASA – Brussels Office  
Avenue de Cortenbergh 100  
1040 Brussels, Belgium

The attendees included:

**SC-209 Chair**

Thomas Pagano      The Regulus Group  
Matthew Erickson      Collins Aerospace

**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/Telecon):

Doug Arbuckle	FAA
Miles Bellman	VOLPE
Edward Britten-Kelly	Advanced Core Concepts
Julien Damblemont	Thales Group
Steve Darr	Dynamic Aerospace
Aaron Dutle	NASA
Alex Engel	EUROCAE
Matthew Erickson	Collins Aerospace
Stefano Fiorenzi	Leonardo
Mike Garcia	Aireon
Jean-René Gely	Thales Group
Martin Gray	Trig Avionics
Douglas Guetter	ACSS
Kevin Hallworth	EASA
Matt Haskin	FAA
Eric Jauny	DSNA-DTI
Ian Maccoomb	Nav Canada
André Marques	Airbus
Stuart McKay	NATS UK
Gregg Neseimeier	FAA
Lee Nguyen	FAA
Tom Pagano	Regulus Group
Eric Potier	EUROCONTROL
Jen Scott	MITRE
John Seereiter	DoD AIMS
Al Secen	RTCA
Todd Skoog	Garmin
Timothy Steiner	FAA
Jörg Steinleitner	EUROCONTROL
Jonathan Stumpf	Harris
Chris Tourigny	FAA
Florie Trinh	Collins Aerospace
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 nineteenth meeting of RTCA Special Committee 209 was held in joint session with EUROCAE Working Group 49 on June 20<sup>th</sup>, 2019 at the EASA Brussels Office in Brussels, Belgium. This meeting convened on the fourth day of the Combined Surveillance Committee (CSC) meeting which was being held 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 the CSC 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 3:00 PM (CEST) on June 20<sup>th</sup>, 2019. 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 both the anti-trust and propriety information policies which had been briefed in detail earlier in the week. Alexander Engel, the EUROCAE Liaison, concurred with Mr. Secen's statements, highlighting the similar nature of policies for EUROCAE meetings and European standards documents.

*(Kickoff Slides.pdf)*

### **2. Review of Agenda**

The Plenary agenda was reviewed by SC-209 Co-Chair Tom Pagano. Mr. Pagano welcomed EUROCAE WG-49 due to the joint nature of the work developing the Transponder MOPS. Following opening remarks, the Committee was informed that the schedule for the Plenary was an abbreviated one, with the main order of business being to review and approve changes to the Terms of Reference.

*(sc-209\_june\_2019\_agenda.pdf)*

### **3. Review of Minutes from the 18<sup>th</sup> Meeting of SC-209**

The Minutes from the previous meeting were opened for comment and discussion. With no corrections voiced, the Meeting #18 Minutes were accepted.

*(Minutes - SC-209 Plenary Meeting #18 - 20181005.pdf)*

#### **4. Review of Changes to the SC-209 Terms of Reference (ToR)**

The main order of business began with the review of changes to the SC-209 Terms of Reference. Tom Pagano began the discussion by reminding the Committee of a leadership change to the Government Authorized Representative (GAR). Matthew Haskin of the FAA was identified as the new GAR, taking over the role from Gregg Nesemeier. Mr. Nesemeier thanked the Committee for the opportunity to serve and offered his continued support to the development effort.

The discussion then turned to the schedule and development timeline. Mr. Pagano highlighted the main task for the Committee during this Plenary was to review and approve a change to the completion date. The new due date, to be listed in the ToR, was August 2020. It was further clarified that this would be the date that the document would be handed to RTCA, with the actual publication date coming later.

After a complete review of the ToR changes that included editorial corrections and updates, the revised ToR was approved by the Committee. Al Secen agreed to present the revised ToR to the RTCA Program Management Committee (PMC) for approval during its meeting the following week.

A brief discussion of Inter Special Committee Agreements (ISRA) concluded the main point of business for Plenary #19.

#### **5. EUROCAE WG-49 ToR**

Eric Potier followed the SC-209 ToR change discussion with an update on the EUROCAE WG-49 Terms of Reference. Mr. Potier informed the Committee that the WG-49 ToR would be updated to be in line with the changes which were agreed to in the SC-209 ToR. Alex Engel agreed to bring the revised WG-49 ToR to the EUROCAE Technical Advisory Committee (TAC) meeting which was to be held during the first week in July.

Mr. Potier noted that WG-49 would have an additional action to take upon completing changes to ED-73(). The follow-on work for WG-49 is to review ED-115 “MOPS for Light Aviation Secondary Surveillance Radar Transponders” in order to apply corresponding modifications made to ED-73.

#### **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**

The next SC-209 Plenary meeting is expected to be held on March 20<sup>th</sup>, 2021. The Plenary would be in conjunction with SC-186 and with the purpose of opening the Final Review and Comment (FRAC) period for the DO-181F MOPS.

## 7. **Adjournment**

With no further actions or other business before the committee, Tom Pagano thanked everyone for their participation and adjourned the Plenary at 3:35 (CEST).

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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

**- S -**

Matthew Erickson  
Co-Chair, SC-209