

RTCA Paper No. 272-21/SC186-392  
EUROCAE No. 090-20/WG51-196

August 16, 2021

**EIGHTY-SECOND MEETING**

**of RTCA SC-186**

**held jointly with EUROCAE WG-51**

**AUTOMATIC DEPENDENT SURVEILLANCE - BROADCAST (ADS-B)**

**DATE:** October 21, 2021  
**TIME:** 10:00 a.m. – 11:00 a.m. (EDT)  
**PLACE:** Virtual

The attendees included:

SC-186 Co-Chairmen

Rocky Stone            United Airlines, Inc.  
Jessie Turner           Boeing

SC-186 Secretary

Michael Garcia            Aireon

SC-186 Government Authorized Representative

Matt Haskin            FAA

Members (Present in the room and on the Teleconference/WebEx)

Al Secen (RTCA)  
jorge Alvarez  
Nick Demidovich - FAA  
Bob Gaul  
Bogdan Petricel  
Johan Martensson

Martin Gray  
Todd Skoog (Garmin)  
Miles Bellman  
Brent Luna-NATCA  
Wen Yang  
Kimberly Brooks

Steve Darr  
Aaron Dutle  
Tom Pagano  
Jacques Mainville DGAC  
Jan Stibor SDM  
Jack Field  
Jorg Steinleitner  
Mike Germain  
Greg Comstock  
Craig Boxrucker  
tim steiner  
Jason Berger - L3H  
Joe Kotula  
Lesley Weitz  
Michael Garcia  
Randy Jacobson  
Bill Penhallegon  
Ed Hahn / ALPA  
Brenda Perez  
Bob Pomrink

D. J. Winkel  
Matt Haskin  
Paul Harrison  
Stuart McKay (UK CAA)  
H. Peter Stassen  
Edward Johnson  
Ann C Drumm  
Jessie Turner  
Eltzafan Mark  
Doug Arbuckle  
Ian Maccoomb  
Domingo Madero  
ERIC POTIER  
Jen Scott  
Larry Kenney  
Bill Carson  
Dan Lovelace  
Alexander Engel  
Jose Casas

**\*\* Note: All files named in conjunction with Agenda items can be downloaded from the RTCA SC-186 Workspace at <http://workspace.rtca.org/kws> \*\***

1. RTCA Policy Presentation
  - Al Secen and Alex Engel read several standard policy statements (Policy Slides – Joint RTCA EUROCAE.pdf)
2. Co-Chairs Welcome, Introductions, and Remarks
  - Jessie convened the October 21, 2021 meeting by welcoming all in attendance. Participants were identified based on the WebEx participant list and the AerOpus website
3. Review of Meeting Agenda.
  - Jessie reviewed the agenda
4. Review/Approval of the 81<sup>st</sup> Meeting Summary
  - The minutes from the Aug 16<sup>th</sup> 2021 plenary (#81) were posted to the AerOpus website
  - The minutes were approved

5. Opening of the Open Consultation/FRAC of Draft Change 1 to DO-260C/ED-102B
  - Topic Lead: Tom Pagano
  - ADS-B MOPS re-opened with primary objective to incorporate needed changes from the published DO-260C
  - FRAC starts October 26 and ends December 10 2021
  - CSC telecons to resolve comments December 15-16, 2021
  - Final Change 1 document to be available to RTCA and EUROCAE following approval at the scheduled December 17 2021 Plenary meeting
  - Change 1 Summary – Document Length is ~150 pages
    - Added requirements
      1. ADS-B receiver version in Operational Status Message to resolve backward compatibility issue with Traffic Uplink Management Message
      2. PIC limiting, consistent with NIC limiting
    - Test procedure corrections
    - Editorial corrections including improvements in clarity
      1. Table corrections
      2. Section reference corrections
  - Mike Garcia asked if anything significant comes up during FRAC, will the schedule for approval of Change 1 adjust accordingly
    - Tom and Jessie concurred
    - Doug Arbuckle pointed out that its relatively common to have the plenary approval soon after the comment resolution meetings
    - Tom also mentioned that the FRAC scope will be limited to what's in the Change 1 document (not the entirety of the full MOPS)
    - Martin pointed out that High comments and Non-Concurs can be resolved prior to the end of FRAC/OC
  - Alex stated that there may be some formatting issues with the current draft of Change 1 that may need to be resolved prior to FRAC/OC
    - Tim said the formatting differences are consistent with recent MOPS change documents (e.g. DO-361A)
    - Al asked Tim if the tracked changes version can be posted as part of the FRAC process to make it easier to review
  - CSC seeks SC-186 Plenary to approve entering FRAC for DO-260C Change 1
    - Jessie made a motion to move forward
    - Alex made a similar motion to the EUROCAE members
    - Motion was seconded and approved
6. SC-186 WG-5 UAT Status
  - Topic Lead: Rob Strain (presented by Jessie during the meeting)

- UAT TOR Review
    - Harmonize UAT with 1090ES ADS-B Standards
    - Address errors, omissions, clarifications, changes
    - Consider new functionality
    - FRAC Completion: March 2022
  - WG-5 is 89% complete / 64% into period of performance
  - Key Dates
    - FRAC 21 Jan – 22 Feb (31 days)
    - Address comments: 23 Feb – 29 Mar
    - SC-186 final: 2 Apr
7. Other Business
- Al gave an update on the FRAC process using a series of slides
    - Randy asked if one can edit a comment after it's already been posted. Al said yes.
8. Schedule next plenary meetings
- Plenary 83 - Virtual plenary meeting date and time proposed to Dec 17, 2021
9. Review Action Items
- Action:
    - Tim Steiner to work with Alex to resolve the potential new approach to the DO-260C Change 1 format (relative to legacy Change # document formats) and potentially post a tracked-changes version of the document
    - Al to post FRAC process slides to AerOpus
  - Remaining Action Items from previous plenaries
    - None
10. Adjourn Plenary.
- Jessie thanked everyone for their participation and adjourned the meeting.