

Sept. 18, 2023

**EIGHTY-NINTH PLENARY MEETING**

**of RTCA SC-186**

**held jointly with EUROCAE WG-51 (EIGHTY-SIXTH MEETING)**

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

**\*\* Note: All files named in conjunction with Agenda items can be downloaded from the RTCA SC-186 Workspace at [Group - SC-186 ADS Broadcast - AerOpus \(i3cloudservices.com\)](https://i3cloudservices.com) \*\***

**RTCA SC-186 Plenary 89 and EUROCAE WG-51 Plenary 86 Meeting Summary**

1. Chairman Welcome, Introductions, and Remarks
  - Jessie convened the Sept.18, 2023 meeting by welcoming all in attendance.
2. RTCA and EUROCAE Policy Presentation
  - Brandi Teel read several standard RTCA policy statements
  - Alex Engel read several standard policy statements from EUROCAE
3. Review of Meeting Agenda
  - Jessie reviewed the agenda. No additional agenda items were added.
4. Review/Approval of the Last Plenary Meeting Summary
  - The minutes/summary from the April 20, 2023 plenary were posted to AerOpus
  - Doug Willey moved to approve and Lesley Weitz seconded; Meeting Summary was approved.
5. Review & Approval to submit deliverable “Summary of ADS-B In Discussion Group Activities” to RTCA and EUROCAE
  - Topic Lead: Lesley Weitz & Nico de Gelder
  - Lesley Weitz and Nico de Gelder presented slides on the deliverable. See presentation in AerOpus. The following topics were covered:

- Proposed updates (Change 1) to DO-317C/ED-194B which include corrections to test vectors, editorial updates for clarification or to remove redundant requirements, updated/new requirements to support CAS for Departures (CAS-D)
- Proposed updates to DO-361A/ED-236A were reviewed. The proposed changes to DO-361A/ED-236A do not warrant a document update at this time.
- Archive of recent research for ADS-B In Operations in the US NAS:
  - Recent research on proposed ATC Automation (for CAS-A and Interval Management operations)
  - Recent benefits analyses
  - AIRS Evaluation Objectives and Results
- Potential applications using ADS-B Weather Messages (ADS-Wx)
  - Recommend updates to DO-317/ED-194 to include applications enabled by ADS-B Wx messages only when operational concepts have been matured
- Johan Martensson asked whether DO-361A FIM MOPS referenced ADS-Wx AIREPS. Answer: they are (in DO-361A Change 1).
- Lesley and Nico indicated that they would be happy to take any questions offline if anyone has further questions after the meeting.
- Motion to send document for PMC approval: Wes Googe and seconded by Steve Darr. The paper is approved and will be sent to EUROCAE and RTCA. Jessie thanked the group for their work on the paper.

#### 6. Review and Approval of update to SC-186/WG-51 Terms of Reference (ToR)

- Jessie reviewed the proposed updates to the SC-186 ToR which include:
  - Remove completed white paper deliverable
  - Add new DO-317C Change 1 deliverable—updating test vectors; adding in CDTI CAVS applications and changes to reflect changes in white paper. Scope section was updated to reflect planned DO-317C Change 1 updates.
- Plan is to complete FRAC/OC in April 2024 to be adopted during June PMC. Plan is also for SC-186 to go into Active Monitor status at the June 2024 PMC.
- Doug Willey (ALPA): ALPA did not agree with proposed language in the ToR regarding updating/adding CAVS requirements to enable CAS-D. The solution was to remove “enable CAS-D” text in the ToR and add “to align with TSO-C195C”. This was done during the meeting. Bogdan Petricel and Lesley Weitz suggested that ALPA can also comment on the Change 1 MOPS updates during the FRAC/OC process.
- EUROCAE WG-51 will also update their ToR to align with the SC-186 ToR.
- Motion to approve the ToR update to send to PMC in December: Greg Comstock moved and seconded by Nico de Gelder. No objections. SC-186 ToR update was approved to go to the PMC.

- Motion to approve WG-51 ToR for the TAC: Nico de Gelder and no objections.
7. Status and Plans for EUROCAE WG-51: ED-129 and ED-142
    - Topic Lead: WG-51 Chair Johan Martensson
    - Johan provided an update on ED-129 (ADS-B) and ED-142 WAM activities. See presentation in AerOpus.
    - WG-51, SG-4 is currently dormant following the work of ED-129C, Technical Specification for a 1090 MHz Extended Squitter ADS-B Surveillance System (to be formally released soon). Work on ED-129D (for CAT053 update) is planned to start in mid-2024 and complete in mid-2026.
    - WG-51, SG-5 – Wide Area Multilateration is currently active. The ED-142A Technical Specification for Wide Area Multilateration (WAM) update is planned for completion in mid-2025, and an ED-142B update is planned starting in 2026.
  8. Other Business
    - No other business
  9. Review Action Items
    - Open Actions: None
  10. Schedule Next Plenary Meeting
    - Virtual plenary meeting scheduled for Monday, Feb 5, 2024 at 10am ET.
  11. Adjourn Plenary
 

Jessie thanked everyone for their participation and adjourned the meeting at 11:09am ET

**List of Attendees**

First Name	Last Name
Bob	Gaul
Bogdan	Petricel
Brandi	Teel
Ryan	Chartrand
Doug	Wiley
Ed	Hahn
Eltzafan	Mark
Greg	Comstock
Jack	Field
Jaime	Lopez-Araquistain
Javier	Ceballos-Gutierrez
Jeff	Sparrow

Jen	Scott
Jessie	Turner
Joe	Kotula
Johan	Martensson
Kevin	Wilson
Kimberly	Brooks
Larry	Kenney
Lesley	Weitz
Matt	Haskin
Michael	Garcia
Mohammed	Ahmed
Nick	Demidovich
Nico	de Gelder
Nkululeko	Ntombela
Paul	Harrison
Paul	Von Hoene
Paulina	Piatkowska
Steve	Darr
Tim	Steiner
Wes	Googe
William	Penhallegon