

Apr 20, 2023

**EIGHTY-EIGHTH PLENARY MEETING**

**of RTCA SC-186**

**held jointly with EUROCAE WG-51 (EIGHTY-THIRD 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 <http://workspace.rtca.org/kws> \*\***

**RTCA SC-186 Plenary 88 and EUROCAE WG-51 Plenary 83 Meeting Summary**

1. Chairman Welcome, Introductions, and Remarks
  - Jessie convened the Apr 20, 2023 meeting by welcoming all in attendance.
2. RTCA and EUROCAE Policy Presentation
  - Brandi Teel read several standard policy statements (RTCA Policy Slides.pdf)
  - Alex Engel read several standard policy statements from EUROCAE
3. Review/Approval of Meeting Agenda.
  - Jessie reviewed the agenda
4. Review/Approval of the 87<sup>th</sup> Meeting Summary
  - The minutes from the Nov 4, 2022 plenary were posted to the AerOpus website
  - The minutes were approved
5. SC-186 WG-4 ADS-B In Discussion Group Status & Plan
  - Topic Lead: Lesley Weitz
  - RTCA SC-186 WG4 and EUROCAE WG 51 SG3 agreed to deliver a white paper detailing the ADS B In Discussion Group activity after one year
    - Delivered to the RTCA PMC in December 2022
    - SC-186 and WG-51 agreed to continue the discussion group for another year

- In Year 1 and 2, this whitepaper proposed updates to DO-317C/ED-194B and DO 361A/ED 236A
  - Year 2 Timeline
    - Aug 2023 - Distribute draft to ADS-B In discussion group
    - Sept 2023 – Share with SC-186/WG-51 Plenary
    - Nov 2023 – Final version to RTCA PMC
  - Jessie asked if preliminary results from AIRS will be available prior to Aug/Sep timeframe. Lesley responded that some results have already been presented to the ADS-B In Discussion Group; however, we do not intend to include a comprehensive set of results in the deliverable since the AIRS results will be documented in a separate publicly available report.
  - Alex asked if any TORs might be updated after the whitepaper is finalized. Lesley responded that she wasn't sure yet. The timeline for the update of the DO-317C/DO-194B test vectors is unknown at this time, and we will need to analyze the test vectors identified by the manufacturer first in order to provide a proposed TOR update.
6. EUROCAE WG-51, SG-4 status on ED-129C Progress
- Topic Lead: Michael Garcia
  - WG-51, SG-4 has been working on an update to ED-129C, which relates to a 1090 MHz ES ADS-B Surveillance System
  - ED-129C includes updates related to ESASSP v1.2, MOPS Version 3, and CAT021 v2.6
  - Open Consultation period was 15 Dec 2022 to 21 Feb 2023
  - About 400 comments received
  - Planning to submit final version of ED-129C to Plenary on 16 May 2023
  - WG-51 is also planning a call for participation on ED-142A (WAM) seeking participants and leadership
7. SC-206/WG-76 AIS-MET committee – Proposed ADS-B Out Changes
- Topic Lead: Tim Rahmes
  - Purpose of this group is to discuss emerging water vapor observation needs and necessary performance standards for aircraft meteorological observations relevant to MOPS (DO-260C, ED-102B, DO-282C)
  - Tim reviewed background on contrails and why they are important to study and mitigate
  - SC-206/WG-76 suggests that water vapor resolution is not high enough in DO-260C
    - Proposing plan to change DO-260C, DO-282C, ED-102B, potentially starting in 2023
    - Jessie pointed out that we don't currently have a TOR to support updates to any of these MOPS. The proposed changes would have to be submitted to PMC for review/approval.

- Randy pointed out that there are several issues with the proposal and that the TSO just came out for DO-260C, making it very difficult to update in the near-term
  - Johan and Matt said any change of this nature would necessitate going to a new MOPS version 4
8. Other Business
    - None
  9. Review Action Items
    - Open Actions:
      - None
    - Actions Closed Since Previous Plenary
      - Jessie to upload to RTCA Aeropus the whitepaper from SC-228
  10. Schedule Next Plenary Meeting
    - Plenary 89 - Virtual plenary meeting date and time scheduled for Sept 18th 10-11am EDT
  11. Adjourn Plenary.
    - Jessie thanked everyone for their participation and adjourned the meeting.