

SEVENTY-FOURTH MEETING

of RTCA SC-186

held jointly with EUROCAE WG-51

AUTOMATIC DEPENDENT SURVEILLANCE - BROADCAST (ADS-B)

DATE: December 16, 2019
TIME: 9:00 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)

Name	Company
Arbuckle, Doug	Federal Aviation Administration (FAA)
Bellman, Miles	Volpe National Transportation Systems Center
Bone, Randy	The MITRE Corporation
Comstock, Greg	StratMach
de Gelder, Nico	National Aerospace Laboratory NLR (EUROCAE)
Dutle, Aaron	NASA
Field, Jack	The MITRE Corporation

Name	Company
Garcia, Michael	Aireon, LLC
Gaul, Bob	Garmin Ltd.
Googe, Thomas	American Airlines, Inc.
Hahn, Edward	Air Line Pilots Association (ALPA)
Haissig, Christine	Christine Haissig Consulting LLC (Exempt, ...)
Haskin, Matt	Federal Aviation Administration (FAA)
Hochwarth, Joachim	GE Aviation
Kenney, Larry	Raytheon

Name	Company
Kotula, Joseph	Federal Aviation Administration (FAA)
Maccoomb, Ian	NAV CANADA
Mark, Eltzafan	Federal Aviation Administration (FAA)
Mei, Ray	Federal Aviation Administration (FAA)
Penhallegon, William	The MITRE Corporation
Perez, Brenda	Regulus Group
Petricel, Bogdan	EUROCONTROL
Priess, Stephanie	The MITRE Corporation
Puranik, Sumedh	Selex ES Inc.

Name	Company
Scott, Jenipher	The MITRE Corporation
Secen, Al	RTCA, Inc.
Steiner, Timothy	Federal Aviation Administration (FAA)
Stone, Rocky	United Airlines, Inc.
Stoops, Wes	Regulus Group
Turner, Jessie	The Boeing Company
Von Hoene, Paul	Federal Aviation Administration (FAA)
Weitz, Lesley	The MITRE Corporation

**** 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. Chairman's Introductory Remarks.
 - Jessie convened the December 16, 2019 virtual meeting by welcoming all in attendance. Participants were identified based on the WebEx participant list and the RTCA VP read several standard policy statements
(02_RTCA_RTCA_EUROCAE_Welcome_Meeting_KickOff_Slides.pdf)
2. Review of Meeting Agenda.
 - Jessie reviewed the agenda and noted that it is posted to the RTCA workspace.
 - Al noted that this is a joint plenary between RTCA SC-186 and EUROCAE WG-51
3. Review/Approval of the 73rd Meeting Summary
 - The minutes from the November 8th 2019 plenary (#73) were recently posted to the RTCA website
 - The minutes were approved during the Dec. 16th plenary.
4. Opening for the Open Consultation (OC)/Final Review and Comment (FRAC) of Draft DO-317C/ED-194B, “Minimum Operational Performance Standards (MOPS) for Aircraft Surveillance Applications (ASA) System”
 - Lesley Weitz and Brenda Perez introduced a set of slides summarizing the ASA MOPS FRAC history and status of readiness for FRAC
 - DO-317C/ED-194B Changes included:
 - Updated Requirements for CAVS
 - Updates to Traffic Prioritization
 - Optional Geometric Altitude Requirements are now required
 - TSAA Changed to ATAS
 - Added Test Scenarios (in Appendix U) for ATAS

- Updated requirements to support ACAS designation
 - Various updates to be consistent with DO-260C, DO-282C, and DO-361A
 - Schedule
 - FRAC documents to be distributed before 12/30/2019
 - Comments due no later than 2/14/2020
 - FRAC Resolution Meeting (Phoenix, AZ) 3/17 - 3/19/2020
 - SC-186/WG-51 Plenary 3/20/2020
 - Delivery to June 2020 PMC
 - Motion called to Open FRAC and Open Consultation for DO-317C/ED-194B, was seconded, and approved
5. Review and Approval of ToR Changes
- Jessie shared the updated ToR document with the group (now revision 24)
 - Adds DO-361A Change 1 (FIM MOPS), anticipated August 2020
 - Add Appendix G (Test Descriptions and Data) and updates in response to DO-260C, 181F, and 317C
 - Greg Comstock proposed removing note/superscript 1 from the Deliverables table. It was determined that, per RTCA accepted process, each document can be released even if the document contains a reference to another RTCA document which has not yet been released. Therefore, this note and the superscript references were removed from the table.
 - Due date for DO-361A was updated from Dec. 2019 to Feb. 2020 to reflect the latest estimate for delivery to RTCA
 - The ToR changes will be presented at the 12/19/2019 PMC meeting
 - Motion called to approve proposed ToR changes (in Rev 24), was seconded, and approved
6. Other Business.
- None
7. Date, Place and Time of Next Meeting.
- Face-to-face plenary (75) to close FRAC/OC and approve DO-361A/ED-236A, location Melbourne, FL, on Jan. 31, 2020 (9am EST) [concurrent with Jan. 27-31 CSC meeting]
 - Face-to-face plenary (76) session for SC-186 is March 20, 2020, location in Phoenix, AZ, with:
 - Planned closing of FRAC/OC and approval of DO-317C/ED-194B
 - Open FRAC/OC for DO-260C and DO-181F/ED-73F (joint with SC-209/WG-49).
 - Virtual Plenary session (77) to open FRAC/OC for DO-361A/ED-236A Change 1 on May 1, 2020

- Face-to-face plenary (78, joint with SC-209/WG-49) to close FRAC/OC and approve DO-260C, location Cologne, Germany, on June 19, 2020 [concurrent with June 15-19 CSC meeting]
- Virtual Plenary session (79) to close FRAC/OC and approve DO-361A/ED-236A Change 1 on June 30, 2020

8. New Business

- None

9. Review Action Items/Work Programs.

- Remaining Action Items from previous plenary:
 - ~~Al Secen and Rocky Stone reached out to the UAT community to survey whether they are available and interested to initiate WG5 (it's likely that they will need to wait to start up until after DO-260C has gone through FRAC). The group has indicated interest in restarting.~~ Target due date for the updated UAT MOPS (DO-282C) set to August 2021 in the TOR (it is unlikely that WG5 would begin until after WG3 has submitted DO-260C to PMC). WG initiation action still remains open. Co-chairs will be needed to re-form the group.
 - Jessie to draft a formal ISRA between SC-186 and SC-159 to develop requirements related to vertical velocity and accuracy parameters.

10. Adjourn Plenary.

- Jessie and Rocky thanked everyone for their participation and adjourned the meeting.