



RTCA Paper No. 183-20/SC135-730 February 18, 2020

#### SUMMARY OF THE SEVENTY-SIXTH MEETING

# RTCA SPECIAL COMMITTEE 135 ENVIRONMENTAL CONDITIONS AND TEST PROCEDURES FOR AIRBORNE EQUIPMENT

The Seventy-sixth meeting of RTCA/SC-135 was held virtually on February 18<sup>th</sup>, 2020.

### The following were in attendance:

Bradley Green, SC-135 Chairman EaglePitcher Technologies

Kyle McMullen, SC-135 Chairman NIAR

Jacob VanDyke, SC-135 Secretary Honeywell International Inc.

Rebecca Morrison, Program Director RTCA, Inc.

Patrick Andre \* Andre Consulting, Inc.
Susan Beard \* Rockwell Collins, Inc.

Mike Falzone \* Garmin Ltd

Brad Green \* EaglePicher Technologies

Pat Hall \* Elite Test

Jim Hatlestad \* The Boeing Company
Terri He \* The Boeing Company

Thineshan Kathirchelvan \* De Haviland Aircraft Canada

David Kerr \* Garmin Ltd.

Kyle McMullen \* NIAR

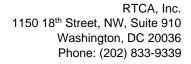
Scott Miller \* Eagle Management, LLC

Rebecca Morrison \* RTCA Lee Nguyen \* FAA

Erik Qian\* Aviage Systems

Jacob VanDyke \* Honeywell International Inc.

Ken Webb \* Collins Aerospace





David Wallen \*

**FAA** 

\* via Conference Bridge

#### The agenda for the meeting was as follows:

- 1. Chairmen's Opening Remarks, Introductions.
- 2. Approval of Summary from the Seventy-Fifth Meeting (RTCA Paper No. 042-20/SC135-728)
- 3. Review FRAC Comments and Resolutions for Ground Station Document
- 4. Consider a motion to approve sending Ground Station Document to PMC for publication June 2020
- 5. Review Schedule
- 6. Review and Approve any Updates to the Terms of Reference
- 7. New / Unfinished Business
- 8. Establish date for next SC-135 Meetings.
- 9. Closing.

(**Note:** The following report is organized by Agenda Item, although some sections were conducted out of sequence to accommodate some members' schedules.)

#### **Agenda Item 1** Chairman's opening remarks, Introductions

The plenary session of the Seventy-sixth meeting of RTCA/SC-135 was called to order at 8:58 AM on the 18th of February, 2020. Co-Chairman Brad Green opened the meeting by welcoming those in attendance. Rebecca Morrison reviewed the RTCA Anti-trust, Proprietary and Membership policies. Mr. Green reviewed the agenda for the meeting, and invited attendees to introduce themselves.

# **Agenda Item 2 Approval of the Summary from the Seventy-Fifth Meeting**

SC-135 Secretary Jacob VanDyke read the minutes from the 75<sup>th</sup> meeting RTCA Paper No. 042-20/SC135-728. A motion was made and seconded to accept the minutes, and the motion was approved unanimously.



## Agenda Item 3 Review FRAC Comments and Resolutions for Ground Station Document

The committee reviewed output from Commenting Tool for DO-380. In total 20 Editorial, and 6 Medium comments were dispositioned, with various status as stated below for each section.

General content comment 44203 was deferred for revision A and comment 42698 was accepted.

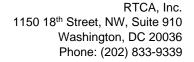
- Section 4 Comment 42694 was accepted.
- Section 7 Comment 42695 was accepted.
- Section 8 Comment 42696 and 42716 were both accepted.
- Section 9 Comment 44198 was deferred for revision A.
- Section 10 Comment 44202 and 44179 were both accepted.
- Section 11 Comment 44180 was accepted
- Section 13 Comment 44181 was accepted
- Section 14 Comment 44185, 44182 and 42697 were all accepted.
- Section 16 Comment 44186 and 44217 were both accepted.
- Section 18 Comment 44178 and 42699 were both accepted.
- Section 19 Comment 44184 and 42717 were both accepted.
- Section 20 Comment 42718 was rejected and comment 42700 was accepted.
- Section 22 Comment 44201 was accepted
- Section 24 Comment 44200 was deferred to revision A.
- Section 25 Comment 44199 was accepted
- Section 26 Comment 42719 was deferred

## Agenda Item 4 Consider a motion to approve sending Ground Station Document to PMC

Motion to send the Ground Station Document to the PMC for publication in June 2020 was made and seconded, and the motion was approved unanimously.

# Agenda Item 5/6 Review Schedule/Review and Approve any updates to the Terms of Reference

Co-Chairman McMullen addressed the schedule during the discussion of the ground-based equipment document. Based on the Revised Terms of Reference (TOR), RTCA SC-135 has committed to presenting the first complete draft of DO160H and DO-357A by Q3 of 2024, to support final release by December 2024.





DO380 Rev A was set for December 2021, revision A will add content for Earthquake and Lightning Direct Effects.

#### Agenda Item 7 New/Unfinished Business

Committee is asking for volunteers to coordinate for Section 9 (Earthquake) and Section XX (Direct Effects Lightning) for the DO-380 document. Keith Peavler accepted the role of change coordinator for Section 16 of DO-380.

#### **Agenda Item 8 Establish Date for Next SC-135 Meeting**

The next SC-135 meeting will be held virtually. Dates of the meeting will be from Monday, October 26th through Thursday, October 29th, 2020.

#### Agenda Item 9 Closing and Adjourn

Brad Green asked for a motion to adjourn the meeting. A motion was offered, seconded, and unanimously approved. The meeting was adjourned at 10:58 AM on Tuesday, February 18<sup>th</sup>, 2020.

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Bradley Green Kyle McMullen Jacob VanDyke Chairman Chairman Secretary

Certified as a true and accurate summary of the meeting.