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**RTCA PROGRAM MANAGEMENT COMMITTEE**  
**Meeting Summary**  
**March 13, 2025**

RTCA Paper Number: 113-25/PMC-2723

The RTCA Program Management Committee (PMC) convened in a hybrid format at 8:30 a.m. EST on March 13, 2025, with some members present at RTCA and others participating via Webex. The attendance list and action items are attached.

**AGENDA ITEM 1: WELCOME AND INTRODUCTIONS**

PMC Chair Hegarty welcomed the group, asked the PMC attendees to introduce themselves and to note their organization of affiliation.

**AGENDA ITEM 2: REVIEW AND APPROVE**

The Meeting Summary for the December 12, 2024 PMC meeting was approved with a motion from Steve Horvath, PMC Member from Garmin, Ltd., and a second from Andy Roy, PMC Member from Aviation Spectrum Resources, Inc. (ASRI).

**AGENDA ITEM 3: RTCA PRESIDENT’S REPORT**

President and CEO Huegel shared the following remarks:

The RTCA, Inc. Advisory Board and Board of Directors meetings were held in February.

The Advisory Board will meet quarterly in 2025, the same month as the Board of Directors meeting; there was a detailed discussion about validation and a recommendation that RTCA, Inc. provide further guidance going forward, particularly regarding the need for flight testing and what is considered “enough” validation.

Supernal hosted the February Board of Directors meeting in Irvine, CA; it was the first meeting led by recently appointed Board Chair Dr. Tracy Lamb.

Ms. Huegel addressed the question about transitioning SC-228 to a joint committee with EUROCAE; she acknowledged the receipt of letters of support for transitioning to a joint effort and said that the early completion of the deliverable did not warrant a course correction at this time; Ms. Huegel also underscored RTCA, Inc.’s steadfast commitment to joint work with EUROCAE and global harmonization of standards.

Ms. Huegel shared RTCA, Inc.’s “out and about” plans, including attendance at EUROCAE’s Annual Symposium in Madrid in April.

Ms. Huegel also reminded everyone that we will be celebrating our members at the 90th Anniversary Gala in June, and invited everyone to attend.

## **AGENDA ITEM 4: COMMITTEE DELIVERABLES**

- A. DO-260C Change 2 - Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance – Broadcast (ADS-B) and Traffic Information Services – Broadcast (TIS-B) Presented by SC-186: Automatic Dependent Surveillance – Broadcast

The discussion of this document was combined with the discussion of the next document in Agenda Item 4B. DO-260C Change 2 includes updates and corrections to support implementation of the Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance – Broadcast (ADS-B) and Traffic Information Services – Broadcast (TIS-B) DO-260C. The main items addressed in Change 2 are corrections to the test procedures in §2.4.8 Verification of the ADS-B Report Characteristics. Some additional editorial corrections and clarifications are also included however there are no modifications to requirements.

- B. DO-260C with Change 1 and Change 2 Incorporated Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance – Broadcast (ADS-B) and Traffic Information Services – Broadcast (TIS-B) with Change 1 and Change 2 Incorporated Presented by SC-186: Automatic Dependent Surveillance – Broadcast

This document is the integration of Change 1, published in January of 2022, and Change 2, approved at this PMC meeting into the full text of DO-160C.

SC-186 Chair Jessie Turner and SC-186 Committee Member Tom Pagano (Regulus) presented. SC Chair Turner thanked SC-186 Committee Member Tim Steiner for his attention to detail as the document editor. NBAA PMC Member Heidi Williams motioned to approve the document for publication and was seconded by GAMA PMC Member Jens Hennig. It was noted by RTCA that an Executive Summary would be included in 260C Change 1 and Change 2 prior to publication, and that there is a delay with the EUROCAE publication of the document. It should be available for publication by RTCA and EUROCAE at the end of April.

- C. DO-364A - Minimum Aviation System Performance Standards (MASPS) for Aeronautical Information/Meteorological Data Link Services Presented by SC-206: Aeronautical Information and Meteorological Data Link Services (AIS)

This MASPS addresses system characteristics and allocation of requirements that support data link services. This is intended to be useful to designers, manufacturers, installers, service providers, regulators, and users of the AIS/MET data link services system.

SC-206 Committee Member Louis Bailey presented. PMC Member Donny Morrow commented on non-concurs presented during the Final Review and Comment process in documents and asked if details of the non-concurs could be provided to the PMC members when reviewing the document for clarification and availability. PMC Member Turner responded that non-concurs are normally listed in the slide deck and Chair Hegarty suggested that non-concurs listed in the PowerPoint slide deck are acceptable enough. RTCA stated that there could be an Action for the RTCA to review the slide

deck to ensure non-concur comments are included. PMC Member Williams motioned and PMC Member Morrow seconded for approval and publication. The motion passed.

- D. DO-365C Change 1 - Minimum Operational Performance Standards (MOPS) for Detect and Avoid (DAA) Systems Presented by SC-228: Minimum Performance Standards (MPS) for UAS

This document is the Minimum Operational Performance Standards (MOPS) for Detect and Avoid (DAA) systems used in Unmanned Aircraft Systems (UAS) transiting through Class B, C, D, E, and G airspace and performing extended operations higher than 400' Above Ground Level (AGL) in Class D, E (up to Flight Level (FL) 180), and G airspace. This change includes alignment with DO-366B, adding non-cooperative symbology, and updates Appendix K.

SC-228 Co-Chair Brandon Suarez presented. A question was asked by Steve Horvath on how the non-cooperative symbology was incorporated in the document. Suarez responded that a member performed a human factors analysis and NASA is planning to perform human in the loop studies on how remote pilots interact with ATC. PMC Member Turner asked about TCAS being a non-cooperative target in a UAS aircraft, to which Suarez answered yes. PMC Member Don Kauffman motioned and PMC Member Williams seconded for approval and publication. The motion passed.

- E. DO-366B - Minimum Operational Performance Standards (MOPS) for Air to Air Radar for Traffic Surveillance Presented by SC-228: Minimum Performance Standards (MPS) for UAS

This MOPS revision includes a new radar class with smaller delay times, allows for customizing range requirements, adds a discussion of clutter issues, and updates the verification process.

SC-228 Co-Chair Brandon Suarez presented. PMC Member Roy commented that the U.S. and the international industry are not aligned with non-cooperative alerts and with regard to what spectrum to use for DAA to find other aircraft. Member Kauffman motioned and Member Williams seconded the motion for approval and publication. The motion passed.

- F. RR-004 - Susceptibility of Airborne Weather Radar Systems to Radio Frequency Interference Presented by SC-230: Airborne Weather Detection Systems

This report provides a preliminary analysis of the potential impacts, using empirical testing and theoretical modeling to determine interference tolerance thresholds for representative victim weather radar systems. This is a first draft with a second version of the report planned for September 2026 in order to conduct additional testing to support the effects on weather radar systems of interference.

SC-230 Co-Chair Venkata Sishtla presented. Member Morrow motioned for approval and publication of the document, and Member Kauffman seconded. The motion passed.

- G. RR-002 - Report on Aeronautical Radio Frequency Systems, their Regulatory Framework, and Operational Considerations Presented by SC-242: Spectrum Compatibility

This report provides a high-level description of the use of spectrum in aviation operations to assist non-aviation stakeholders in understanding how aeronautical radio frequency (RF) systems operate and the performance required for safety-critical functions, such as availability, reliability, continuity, and latency. It describes how aviation operates, how aviation systems are used, and the aviation lifecycle.

SC-242 Co-Chair Donny Morrow presented. Chair Hegarty mentioned that the acronym for SBAS should be updated in Section 4 and in the Acronym section of the document. Member Horvath motioned and Member Roy seconded the document for publication and approval. The motion passed.

Member Kauffman added that SC-228 is working on DO-377B and suggested that SC-242 could provide input. Action Member Kauffman will provide input to the SC-242 leadership.

#### **AGENDA ITEM 5: PAST ACTION ITEM REVIEW**

- A. RTCA to modify all approved TORs to confirm title of the table of technical products reads: PRODUCT DELIVERABLES  
Assigned: 12/2024  
Due: 3/2025  

Result: All ToRs have been reviewed and wording has been updated to “Product Deliverables”. The Action is now closed.
- B. RTCA to remove OSED from the title of the reports proposed by SC-213  
Assigned: 12/2024  
Due: 3/2025  

Result: Action is closed.
- C. RTCA to initiate an Out of Cycle approval of the SC-213 TOR after the EUROCAE WG-79 TOR is approved by the EUROCAE TAC.  
Assigned: 12/2024 Due: 3/2025  

Result: Action is closed.
- D. RTCA to Change the SC-214 TOR to indicate it is an Internal Report not an RTCA Report  
Assigned: 12/2024  
Due: 3/2025  

Result: TOR has been updated and the action is closed.
- E. RTCA to consider where an OSED for weather data for manned AAM operations would fit within the RTCA Special Committees  
Assigned: 12/2024  
Due: 3/2025  

Result: This action is outstanding as RTCA considers hosting Workshop on AAM.
- F. RTCA to review its e-process and consider adding dissent process details on the RTCA website.  
Assigned: 12/2024

Due: 3/2025

Result: RTCA has reviewed and concurred it is the right level of detail on the website right now. The action is now closed.

- G. Chair Hegarty to send a notice to the Program Management Committee members when the consideration of the MSS is placed in the Federal Register for Comment.

Assigned: 12/2024

Due: 3/2025

Result: Chair Hegarty provided that info to RTCA. It is currently being discussed within SC-159. Chair Hegarty noted that comments are publicly available on National Telecommunications and Information Administration's (NTIA's) website. The action is now closed. Member Roy commented that SpaceX is requesting more licensing. Member Roy took the action to share the information about SpaceX.

- H. RTCA to add a standing PMC Agenda Item, with Member Roy, to address RTCA Special Committee work relative to international spectrum coordination issues. Assigned: 12/2024

Due: 3/2025

Result: Member Roy said joining and participating in the ITU is very costly and not necessarily in the best interest of RTCA. It would require extensive time in Geneva, etc. As a result of Member Roy's comments, this action is closed.

- I. RTCA to work with Member Roy on sending a survey regarding preliminary readiness to address nearby spectrum issues associated with spectrum allocations.

Assigned: 12/2024

Due: 3/2025

Result: Not yet completed.

- J. Chair Hegarty to send notice to the Program Management Committee when the request to remove adaptive GNSS antennas from the ITAR munitions list is placed in the Federal Register for Comment.

Assigned: 12/2024

Due: 3/2025

Result: Chair Hegarty provided the link to RTCA. The action is now closed.

- K. Action to keep open: RTCA to Report back to PMC on implementation of a process to ensure aviation air traffic management / operational experts are among SC members

Assigned 03/2024

Due 3/2025

Result: RTCA noted that it is not sure if this should be an Action Item, or a standing report. RTCA, Inc. took the action to see if there is operational guidance about expertise in the Special Committee (SC) Guidance. RTCA President and CEO Huegel suggests this action should be closed and should be the way RTCA operates. RTCA noted it would be important to ask SCs what operational validations are being considered as well.

## **AGENDA ITEM 6: OUT of CYCLE ACTIONS SINCE SEPTEMBER 2024 PMC MEETING**

The SC-239 TOR was approved Out of Cycle.

## **AGENDA ITEM 7: REGULATOR UPDATES**

### **A. FAA Actions Taken on Previously Published Documents – Report**

The FAA did not present a report.

### **B. EASA Action Status Summary – Report**

EASA Representative Hette Hoekema discussed Part 21 and Part 26 updates. He also mentioned that EASA is organizing a Part Implementation Security workshop in June with a hybrid component. Representative Hoekema concluded that EASA is postponing for the last time the applicability date for the ROAAS to July 1, 2026. Member Turner asked about the ROAAS and if the applicability date affects third country operators. Representative Hoekema responded that it only applies to European countries.

## **AGENDA ITEM 8: SPECIAL COMMITTEES CHAIR'S REPORTS**

Special Committee Chair Reports were submitted to the PMC members. No questions or comments were noted.

## **AGENDA ITEM 9: INTERNATIONAL COORDINATION**

### **A. EUROCAE**

Mark Watson reviewed the EUROCAE documents in Open Consultation and published since the last PMC meeting and shared the newly formed working groups (WGs). Member Turner asked if SC-159 would be interested in going joint with EUROCAE WG-133, GNSS Multi Elements Antenna, to which SC-159 member Sai Kalyanaraman said there is a strong desire to work jointly with WG-133. Member Hennig asked if the ToR in SC-159 would need to be amended to add this information about interference and spoofing. Chair Hegarty responded that the topic is loosely discussed in the ToR and within the scope.

Watson also said that EUROCAE is working to organize a jamming and spoofing workshop, similar to the ongoing datalink workshop, alongside RTCA, EASA, and the FAA. The PMC has discussed this topic and PMC Members noted that it has been discussed in a lot of SCs (i.e., SC-186, SC-231, SC-159, SC-227). Chair Hegarty noted that this would be a good collaboration for scope as well as the workshop. Member Turner added that it would be beneficial to work together to avoid having individual systems do their own fielding. Watson said he would coordinate with RTCA on future actions.

In conclusion, Watson informed the PMC of the the upcoming EUROCAE Symposium happening in April.

### **B. ICAO/ITU/WRC27 on RTCA Special Committee work**

Member Roy noted that he had not done any further research on this topic.

## **AGENDA ITEM 10: SPECIAL COMMITTEE UPDATES**

### **A. SC-186 - Automatic Dependent Surveillance – Broadcast - Terms of Reference Update**

SC-186 Chair Turner requested that the committee go into Active Monitor (AM) status with the conclusion of its final documents being approved. Member Kauffman motioned and Member Roy seconded the committee to go in AM status. Member Horvath discussed one of the continuing issues about ADS-B Out with GNSS monitoring and asked how SC-186 can stay involved from an AM status. Chair Turner said during the last SC-186 Plenary, it was discussed to have a Change 3, being proposed by Eurocontrol, to have an ADS-B Out message. He added that further discussions would need to be had, but that is one item the committee will monitor.

### **B. SC-206 - Aeronautical Information and Meteorological Data Link Services (AIS) - Terms of Reference Update**

SC-206 Co-Chair Tim Rahmes presented the ToR update to shift the dates of the deliverables to the right. Member Kauffman motioned to approve the ToR and it was seconded by Member Horvath. RTCA, Inc was given the action to clean up the ToR and resend to the PMC for a final, clean version.

### **C. SC-213 - Enhanced Flight Vision Systems/Synthetic Vision Systems, (EFVS/SVS) - Terms of Reference Update**

SC-213 Co-Chair Troy Niles presented a ToR update that requested two reports be added addressing the topics of use of EFVS/SVS in Innovative Aerial Systems and use of EFVS/SVS in a windowless cockpit. Member Hennig motioned to approve the ToR and it was seconded by Member Williams.

### **D. SC-216 - Aeronautical Systems Security - Terms of Reference Update**

SC-216 Co-Chairs Patrick Morrissey and Siobvan Nyikos presented a ToR update that requested changing the planned standards for data security and information security management systems to be reports. After the reports are complete, the group plans to explore writing the standards Member Kauffman motioned to approve the ToR and it was seconded by Member Horvath. RTCA, Inc. took the action to better define Internal Reports (IR) vs RTCA Reports (RR).

### **E. SC-224 - Standards for Airport Security Access Control Systems - Terms of Reference Update**

SC-224 Co-Chair Christer Wilkinson presented a ToR update that moved the dates for DO-230N and DO-230O to the right. Mr. Wilkinson noted they are seeking more participants. Member Hennig approved the ToR and it was seconded by Member Morrow.

### **F. SC-228 - Minimum Performance Standards (MPS) for UAS - Terms of Reference Update**

SC-228 Co-Chairs Brandon Suarez and Jim Williams presented a TOR update moving the schedule to the right on five documents. Member

Kauffman motioned to approve the ToR and it was seconded by Member Williams.

G. SC-236 - Wireless Avionics Intra-Communication System – Update

SC-236 Rebecca Morrison, Senior Director at RTCA, Inc. and Program Director for SC-236, gave the status of the dissent process. CTIA, GSMA, and Nokia are preparing dissenting opinions. Once the committee response is complete, the committee will request letters from members of RTCA, Inc. indicating their support of the committee’s positions. question was asked if PMC members would like to see dissenting opinions, and it was noted for future processes, it will be normal procedure to share the dissenting opinions with the PMC.

H. SC-239 - Low Range Radar Altimeter – Update

Co-Chair Jean-Luc Robin presented an update on the committee’s progress to the Terms of Reference that was approved by the PMC in an out of cycle ballot in February 2025. The group plans to enter an internal review and comment cycle of the full Low Range Radar Altimeter MOPS after their plenary in May 2025. No questions were asked regarding SC-239’s plan.

I. SC-240 - Aviation Software Standards - Terms of Reference Update

SC-240 Co-Chair Russ Uthe presented about the current reports in the ToR moving the dates of delivery for all documents in process to the right. Member Horvath approved the ToR and it was seconded by Member Kauffman with changes: changing the first report (RR-ZZZ) to an Internal Report. RTCA, Inc. took the action to change the first report (RR-ZZZ), addressing the future plans for updating the existing software standards, to an IR.

**AGENDA ITEM 11: OTHER BUSINESS**

A. RTCA Annual Awards

The Award Winners for 2024 documents were presented to the PMC for awareness.

B. FCC Notice of Inquiry

Member Roy stated that comments are due April 29. There will be increasing pressure for the ITM to be released. The FCC will be pushing for details from SC-239 now, in order to start developing the NPRM text for next year. He added that SC-239 needs to consider how and on what conditions material will be released from SC-239. SC-239 Program Director (PD) Rebecca Morrison stated that SC-239 does not release data, and that SC-239 reports to the PMC, and RTCA publishes the document. Member Roy suggested that RTCA add the ToR of SC-239 to the docket and prior to submitting, and that RTCA, Inc should request the PMC members to review the submission. RTCA, Inc. took this action. Senior Director Morrison reminded the PMC that when SC-239 submits the document for FRAC, it is then a public document.

C. RTCA's Guidance on Validation

Information on this topic is covered in Agenda Item 3.

D. True versus Magnetic Heading in RTCA Standards

Member Hennig presented and told the PMC that every aircraft flying in the world would have to change if changing to a magnetic heading. He wanted to discuss how to approach an active dialogue at ICAO. He said the topic has come up in the past, but tied to spectrum. He asked if there could be a small team of experts from select SCs. For example, the SC-147 community and TAWS community would be needed. Chair Hegarty asked if a survey out to the SC Chairs would suffice to provide a list of RTCA/EUROCAE products that touch on magnetic headings. Member Hennig said the report would not be due until 2026 and the ICAO group's next meeting is in the Fall. PMC Secretary Morrison said RTCA is happy to facilitate the survey to Committee Chairs. It was suggested that Member Hennig lead an ad hoc committee for this process and Chair Hegarty to assist. It was mentioned by Member Horvath that Garmin is interested in participating. SC-227 leadership said they are also interested in participating.

### **AGENDA ITEM 12: SCHEDULE for COMMITTEE DELIVERABLES and NEXT MEETING DATE**

The document products expected to be presented at the June 26, 2025 Program Management Committee are:

SC-159:

Internal Report: Beidou White paper

SC-216:

RTCA Report: Information Security Management System for Aviation Organizations

RTCA Report: Report on Aviation Data Security

RTCA Report: Supporting Information for DO-356A

The dates for the next four Program Management Committee meetings are:

June 26, 2025

September 25, 2025

December 16, 2025

March 10, 2026

### **AGENDA ITEM 13: SUMMARY of ACTION ITEMS TAKEN DURING MEETING**

Action: Member Roy will share comments about SpaceX.

Assigned: 3/2025

Due: 6/2025

Action: RTCA, Inc. will investigate if there is operational guidance about expertise in the Special Committee (SC) Guidance.

Assigned: 3/2025

Due: 6/2025

Action: RTCA, Inc. Clean up the SC-206 ToR and resend to the PMC for a final, clean version.  
Assigned: 3/2025  
Due: 6/2025

Action: RTCA Inc. will provide better definitions of Internal Reports and RTCA Reports.  
Assigned: 3/2025  
Due: 6/2025

Action: RTCA, Inc. will change the first report (RR-ZZZ) on suggested updates to existing software standards to an IR.  
Assigned: 3/2025  
Due: 6/2025

Action: RTCA, Inc. to survey chairs for lessons learned on validation, level of validation, how they capture the validation in the standards, and report back to the PMC.  
Assigned: 3/2025  
Due: 6/2025

Action: RTCA to post the dissenting opinions received for SC-236's document, DO-402.  
Assigned: 3/2025  
Due: 6/2025

Action: RTCA, Inc. to coordinate participation in EUROCAE's work shop on GNSS Spoofing and Jamming.  
Assigned: 3/2025  
Due: 6/2025

Action: RTCA, Inc to review the need for a document style for Frequently Asked Questions and if this should be a new type of deliverable.  
Assigned: 3/2025  
Due: 6/2025

Action: RTCA, Inc. to work with Member Hennig, Chair Hegarty, and Member McDowell to initiate a survey on True versus Magnetic north and report results to the PMC.  
Assigned: 3/2025  
Due: 6/2025

Action: RTCA, Inc. to draft a filing for the FCC docket to enter the schedule of SC-239 as a response to their Notice of Inquiry.  
Assigned: 3/2025  
Due: 4/29/2025

Action Member Kauffman will provide input to the SC-242 leadership  
Assigned: 3/2025  
Due: 4/29/2025

**AGENDA ITEM 14: ADJOURNMENT**

The meeting adjourned at 2:29 pm EST.

Program Management Committee Participants – March 13, 2025		
PMC MEMBERS: (ATTENDEES IN BOLD)		
<b>Dr. Christopher</b>	<b>Hegarty</b>	<b>The MITRE Corporation Chairman</b>
Carleen	Adams	Federal Aviation Administration
<b>Bruce</b>	<b>DeCleene</b>	<b>Federal Aviation Administration Government Authorized Representative</b>
<b>Jens</b>	<b>Hennig</b>	<b>General Aviation Manufacturers Association</b>
<b>Carol</b>	<b>Huegel</b>	<b>RTCA, Inc. President and CEO</b>
<b>Donald</b>	<b>Kauffman</b>	<b>Honeywell International, Inc.</b>
Matt	Langridge	Gulfstream Aerospace Corporation
Justin	Madden	Airlines For America
<b>Jim</b>	<b>McClay</b>	<b>Aircraft Owners and Pilots Association</b>
<b>Mike</b>	<b>McDowell</b>	<b>Collins Aerospace</b>
<b>Nancy</b>	<b>Mendonca</b>	<b>National Aeronautics and Space Administration</b>
<b>Rebecca</b>	<b>Morrison</b>	<b>RTCA, Inc PMC Secretary</b>
<b>Donny</b>	<b>Morrow</b>	<b>Air Line Pilots Association</b>
<b>Andrew</b>	<b>Roy</b>	<b>Aviation Spectrum Resources, Inc.</b>
<b>Michelle</b>	<b>Swearinger</b>	<b>Federal Aviation Administration (Proxy for Bruce DeCleene)</b>
Jeff	Troy	Aviation Information Sharing and Analysis Center
<b>Jessie</b>	<b>Turner</b>	<b>The Boeing Company</b>
<b>Heidi</b>	<b>Williams</b>	<b>National Business Aviation Association</b>
Edgar	Wright	U.S. Air Force
OTHER ATTENDEES:		
Moin	Abulhosn	FAA
Louis	Bailey	Boeing
Randall	Bailey	NASA

Program Management Committee Participants – March 13, 2025		
Barbara	Clark	FAA
Ben	Cluff	CASA
Larry	Cole	USAF
Jim	Daum	FAA
Tammy	Flowe	FAA
Seth	Frick	Honeywell
Dawn	Gidner	Oliver Wyman, LLC
Hette	Hoekema	EASA
Amanda	Hoprich	Avmet
Zanthe	Jordine	GAMA
Sai	Kalyanaraman	Collins Aerospace
Eric	Lieberman	Boeing
Patrick	Morrissey	Collins Aerospace
Donny	Morrow	ALPA
Gregg	Nesemeier	FAA
Troy	Niles	Universal Avionics Systems Corporation
Siobvan	Nyikos	Boeing
Tom	Pagano	FAA
Trent	Prange	FAA
Timothy	Rahmes	Boeing
David	Redman	AVSI
Steve	Rines	Safran
Jean-Luc	Robin	Airbus
Andrew	Roy	ASRI
Uwe	Schwark	Airbus
Paul	Siegmund	FAA
Venkata	Sishtla	Collins Aerospace
Brandon	Suarez	Reliable Robotics
Chenelle	Tyack	FAA
Russ	Uthe	Collins Aerospace
James	Venslauskas	RTCA
Mark	Watson	EUROCAE
Christer	Wilkinson	AECOM
Jim	Williams	Aura Networks