



RTCA Paper No. 279-22/PMC-2343
November 21, 2022

**RTCA PROGRAM MANAGEMENT COMMITTEE
MEETING SUMMARY
September 15, 2022**

The RTCA Program Management Committee (PMC) convened in a hybrid format at 8:30 a.m. on September 15, 2022, 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

- A. Special Award Presentation – EUROCAE HARMONIZATION Award – to Dr. Chuck LaBerge presented by Al Secen (RTCA Vice President, Aviation Technology and Standards) on behalf of the EUROCAE organization. PMC Chair Dr. Chris Hegarty extended a congratulations and thank you to Dr. LaBerge for all his support to RTCA and EUROCAE efforts over many years.
- B. Chair Hegarty welcomed the group, asked attendees to introduce themselves and to note their organization of affiliation. Three proxies were announced (included in attendance list below).
- C. VP Secen reviewed virtual meeting procedures, the anti-trust statement, proprietary policy, and membership policy. There were also two announcements – a new RTCA course on Human Factors with first offering late October and that RTCA will be sponsoring with EUROCAE a virtual Global Aviation Spectrum Summit December 13-14, 2022.
- D. Chair Hegarty welcomed new PMC member Davis Hackenberg from National Aeronautics and Space Administration (NASA).

AGENDA ITEM 2

Review / Approve

- A. With a motion to approve from Member Barber and seconded by GAR DeCleene, the summary of the June 23, 2022 meeting was approved with editorial comments received from Garmin. (RTCA Paper No. 195-22/PMC-2308)

B. The following administrative Special Committee (SC) Terms of Reference (TOR) Revisions were presented. Approval was moved by Member McDowell, seconded by Member Turner. All were approved.

- SC-223 – Internet Protocol Suite (IPS) and AeroMACS - Chairman Alope Roy changed affiliation from Honeywell International to VisionAR Systems, LLC. Additionally, clean up for DO-346A was delivered at the June 16, 2022 PMC meeting. (RTCA Paper No. 230-22/PMC-2338).
- SC-230 – Airborne Weather Detection Systems - Secretary change from Audrey Mach (The Boeing Company) to Mohammed Ahmed (The Boeing Company). (RTCA Paper No. 232-22/PMC-2339)
- SC-242 – Spectrum Compatibility – Adding Government Authorized Representative Christopher Tourigny from the Federal Aviation Administration (FAA). (RTCA Paper No. 269-22/PMC-2340)
- SC-238 – Counter Unmanned Aircraft Systems – Adding Government Authorized Representative Queron “Q” Thompson from the FAA. (RTCA Paper No. 270-22/PMC-2341)
- SC-213 – Enhanced Flight Vision Systems/Synthetic Vision Systems – Adding Secretary Daniel Chiew from Collins Aerospace for previous Secretary moving to Co-Chair position. (RTCA Paper No. 271-22/PMC-2342)
 - Note – PMC Members should expect a full TOR revision at the December 2022 meeting for deliverable due dates.

AGENDA ITEM 3

Publication Consideration/Approval

A. DO-262F Change 1– *Minimum Operational Performance Standards for Avionics Supporting Next Generation Satellite System*, presented by SC-222, Aeronautical Mobile Satellite (Route) Services (AMS(R)S)

- Mike Hooper, SC-222 Co-Chair, presented.

This change is related to the Normative Appendix F for Iridium Certus AMS(R)S. In consultation with aviation Value Added Manufacturers (VAMs), Iridium identified several errors in the published version of DO-262F. This document provides details following each of the 11 items covering the need for the change and the reason behind the change.

- Approval was moved by Member Williams, seconded by Member Turner. The PMC approved the document. It will be published as DO-262F Change 1. It will be published concurrently with EUROCAE ED-343D Change 1.

B. DO-365C – *Minimum Operational Performance Standards (MOPS) for Detect and Avoid (DAA) Systems*, presented by SC-228, Minimum Performance Standards for Unmanned Aircraft Systems

- James Williams and Brandon Suarez, SC-228 Co-Chairs, presented.

This document is a revision that contains MOPS for DAA systems used in aircraft performing extended operations in Class D, E, and G airspace along with traveling through B and C airspace.

It includes equipment to enable UAS operations near Terminal Areas during approach and departure in Class C, D, E, and G airspace, and off-airport locations, but not operating in the visual traffic pattern or on the surface. It does not apply to small UAS (under 55 pounds) operating in low-level environments (below 400') or other segmented areas.

- Approval was moved by Member Turner, seconded by Member Williams. The PMC approved the document. It will be published as DO-365C.

C. DO-387 Change 1 – *Minimum Operational Performance Standards (MOPS) for Electro-Optical/Infrared (EO/IR) Sensor Systems for Traffic Surveillance*, presented by SC-228, Minimum Performance Standards for Unmanned Aircraft Systems

- James Williams and Brandon Suarez, SC-228 Co-Chairs, presented.

This change provides an Appendix F tracker description modification to include range rate as input in addition to range. It also provides a correction to the angular rate unit in Section 2 and clarification for the azimuth and elevation sign.

The committee submitted the Change release included in the document as a whole instead of just changed sections/pages (normal format). RTCA recommended pushing back to the committee, since that is not in the standard format. The committee should accomplish the change in the proper format (just the changes), ensure verification by the committee nothing is missed and then conduct an out of cycle (OOC) ballot for PMC approval. PMC members agreed with this approach. (Action)

There was further discussion on suggested formats for change documents. PMC members had several suggestions on what they felt would be helpful to industry. They requested a presentation on format for the various document types for the next PMC meeting. (Action)

D. DO-397 – *Guidance Material: Navigation Gaps for Unmanned Aircraft Systems (UAS)*, presented by SC-228, Minimum Performance Standards for Unmanned Aircraft Systems

- James Williams and Brandon Suarez, SC-228 Co-Chairs, presented.

This document is laying the initial groundwork to identify gaps in the navigation systems and standards to better support UAS operations associated with near term IFR and VFR-like planned paths for higher risk category fixed wing aircraft operating in and out of traditional airports.

- Approval was moved by Member Turner, seconded by Member Williams. The PMC approved the document. It will be published as DO-397.

E. DO-398 - *Operational Services and Environment Definition (OSED) for Unmanned Aircraft Systems Detect and Avoid Systems (DAA)*, presented by SC-228, Minimum Performance Standards for Unmanned Aircraft Systems

- James Williams and Brandon Suarez, SC-228 Co-Chairs, presented.

The purpose of this OSED is to provide a basis for assessing and establishing operational, safety, performance, and interoperability requirements for DAA systems, and outlines the use of DAA systems throughout the NAS.

- Approval was moved by Member Turner, seconded by Member Williams. The PMC approved the document. It will be published as DO-398.

There was also discussion on future work of SC-228. The group is discussing current TOR deliverables and expect changes are forthcoming. Also, the group wanted to let PMC members know the Advanced Aviation Advisory Committee (AAAC) is recommending changing the term “unmanned” to “uncrewed” throughout the FAA. If accepted, the group may recommend changing the SC name. Chair Hegarty mentioned that at our March meeting the PMC had discussed and supported the movement towards using more inclusive language within aviation standards. PMC members agreed the new spell out for UAS is a reasonable request. RTCA President McVenes emphasized that inclusive language changes can only be accommodated for new documents and activities; it would be time-prohibitive to attempt to retroactively update everything. Member Turner mentioned potential additional work related for detection of vehicles on the ground for surface movement. SC-228 leadership agreed that this will be considered for a future TOR update. GAR DeCleene brought up that short-term vs. long-term recommendations are in consideration. Drones may become “uncrewed” – have to start for long-term sometime.

AGENDA ITEM 4

Integration and Coordination Committee (ICC)

A. SC-239 TOR Revision Ad Hoc Report

- Clay Barber, ICC Chair, presented.

The Ad Hoc met and proposed wording for the April OOC voted-on SC-239 TOR to answer questions from the FAA and to clarify the requested additional deliverable. This version of the TOR was forwarded for an OOC review and approval by PMC members. It was approved July 29, 2022 (agenda item 6A). This action is closed.

- Presentation is posted on AerOpus (RTCA Paper No. 234-22/PMC-2323).

Member Hoekema added that the interim document included in this revised TOR could have value for discussions in Europe on handling Radio Altimeters. Chair Hegarty thanked all for the support on this effort.

PMC members discussed that previously some SC's have provided regular presentations at PMC meetings for close monitoring of status and progress. They agreed SC-239 should provide such regular presentations starting at December meeting. (Action)

AGENDA ITEM 5

Action Item Review

A. Add ICAO Representative to PMC Invite

- Terry McVenes, RTCA President, presented.

Even with PMC Member Roy's assistance, we are still awaiting a point of contact. Action still open.

B. Reach out to Advanced Aviation Advisory Committee (AAAC) for their action on Spectrum and Surveillance Activities

- Terry McVenes, RTCA President, presented.

President McVenes told members that RTCA would be presenting at the next AAAC meeting on the topic of new technology – specifically digital flight rules. The group is working to see how standard organizations can fit into AAAC. After discussion, PMC members agreed this action can be closed as it is an on-going activity and does not need to be tracked as an action item. (Action closed)

C. Presentation to ICAO Panel on RTCA activity (to include SC formation)

- Al Secen, RTCA Vice President, Aviation Technology and Standards, presented.

VP Secen reported that although there was no formal presentation at the recent ICAO Frequency Spectrum Management Panel (FSMP) meeting, FSMP Chair (and PMC member) Andy Roy provided an update to the group. Chair Roy indicated there was interest in the RTCA work and recommended the FSMP should present to SC-242/WG-124. Likewise, SC-242/WG-124 should present at the February 2023 FSMP meeting. Action still open.

D. Regroup between RTCA and EUROCAE Secretariats on Way Forward for SC-240/WG-117

- Russ Uthe, SC-240 Chair, presented.

Chair Uthe provided an update on the joint group activities and the work on their two documents:

- DO-XXX, Software Considerations in Lower Risk Applications, Equipment Certifications and Approvals Supplement to DO-178C and DO-278A

There was discussion on low-risk applications based on the survey feedback from workshop participants (reported at last PMC meeting). There were two opinions on the approach for this scope. PMC members requested full survey results. (Action)

- DO-YYY, Integration of COTS, Open Source and Service History into Software Standalone document

The group reported two revisions planned for this document with the first completing a RAC mid-June. Comments are being addressed (including non-concur) and an updated draft is planned to be ready to support the upcoming October Plenary.

PMC members questioned the explanation on differentiation between level C (asking for too much) & level D (asking for too little). Concern for regulatory involvement. Chair Uthe commented the group is struggling with whether to proceed with new and novel for differences or 178C Modification. Bruce DeCleene stated the FAA was not looking for this to be framed with DO-178 – want the group to look outside the box for solutions.

- The presentation is posted on AerOpus (RTCA Paper No. 252-22/PMC-2332).

E. Means for DESIDE Review by PMC Members

- Karan Hofmann, PMC Secretary, presented.

Securborator configured a standalone server with RTCA DESIDE with about 25 RTCA documents loaded. Individual user accounts were setup, a training session was held, and individuals have had opportunity to further review the product. Although this action is closed, we have not received any inputs. RTCA recommended a deadline of October 30th be set for inputs so way forward can be determined (agenda item 5F). PMC members agreed on deadline. (Action) New member Davis Hackenberg also needs account. (Action)

F. Investigate potential RTCA Way Forward for DESIDE

- Terry McVenes, RTCA President, presented.

As discussed under agenda item 5E, PMC members are being asked to provide any inputs by October 30th to allow RTCA Secretariat to formulate recommendations. Action remains open.

G. SC-216 new TOR to Coordinate with EUROCAE WG-72

- Karan Hofmann, PMC Secretary, presented.

The first Plenary for SC-216 and WG-72 since April is scheduled for October 19-21, 2022. The topic of coordination of deliverable documents in TOR is on the agenda. Action still open.

H. SC-135 Clarify on Electric Vertical Take-off and Landing (EVTOL) Aircraft Concern and Possible Change to DO-160)

- Kyle McMullen, SC-135 Chair, presented.

In response to a concern expressed in the SC-135 Chair Report to the June PMC meeting, the group was asked to provide more information on their concern on including EVTOL in DO-160 and its impact on timeline.

Chair McMullen reported that SC-135 had been asked to address test environments for EVTOL aircraft. He indicated that this would require industry and FAA support and estimates a 3-year schedule slide to incorporate into DO-160 document. This delay is expected due to the additional work needed beyond the already 40 change proposals currently being considered.

Member Hennig commented that updating 160 for power lift would not only affect EVTOL but all high energy aircraft. Possibly through the PMC, SC-135 should go to the SCs with the appropriate experts. Chair Hegarty asked who was looking for the DO-160H version sooner. Revision H was delayed to give industry time to ingest G, but not sure where the 2024 date came from specifically. Bruce DeCleene agreed with comments for environmental testing – basic tests, no rush, but enhancements better sooner. By 2027 (the proposed delayed date) most are already scheduled to be certified.

Member Hackenberg queried what the actual “ask” was from SC-135. Chair McMullen said there was concern for industry support – only one EVTOL company attends working group meetings and has expressed interest. Chair Hegarty indicated with more time needed for EVTOL and no one pushing for 2024 delivery date, adjusting that date could be option. No TOR revision today, but possibly in near future.

- Presentation is posted on AerOpus (RTCA Paper No. 248-22/PMC-2328).

AGENDA ITEM 6

Discussion.

A. Out of Cycle Actions since last PMC Meeting – Presentation Summary

- Karan Hofmann, PMC Secretary, presented.

As a reminder and for formal documentation, the following item was reviewed by electronic ballot since the last PMC meeting:

- SC-239 – Low Range Radar Altimeter - Revised TOR – Approved July 29, 2022

B. SC-147 – Traffic Alert & Collision Avoidance System (TCAS) – Revised TOR

- Ruy Brandao, SC-147 Co-Chair, presented.

The group requested to replace its DO-385 Change 2 deliverable to a full Revision A of the document to be joint w/ EUROCAE. Also, the group is recommending an additional MOPS dealing with the ACAS Xr to address required performance for active surveillance and omni-directional antenna systems to allow for better reference from other DAA systems.

- Approval was moved by GAR DeCleene, seconded by Member Kauffman. The proposed revised TOR was approved (RTCA Paper No. 261-22/PMC-2336).

C. SC-214 – Standards for Air Traffic Data Communication Services – Revised TOR

- Claire Robinson, SC-214 Chair, presented.

The group requested to push back completion due dates for DO-281D (MOPS for Aircraft VDL Mode 2 Physical Link and Network Layer) and DO-224E (MASPS for Advanced VHF Digital Data Comm). DO-281 highlights the minimum procedures for the physical link and network layer of the VDL Mode 2 subnetwork and test procedures were coordinated with EUROCAE. DO-224D defines (MASPS) for the signal-in-space characteristics for advanced Very High Frequency (VHF) digital data communications, including compatibility with digital voice techniques.

PMC members asked if the European mandates were driving the dates for the joint WG-78 documents. Chair Robinson indicated yes. Discussion followed about over broadband status and Member Hoekema (also a EUROCAE TAC member) mentioned a paper was presented to the TAC about the sheer number of datalink standards and EASA's push for just one standard. Member Hoekema agreed to share paper with PMC members. (Action)

- Approval was moved by Member Williams, seconded by Member Barber. The proposed revised TOR was approved (RTCA Paper No. 262-22/PMC-2337).

D. SC-235 – Non-Rechargeable Lithium Batteries – Revised TOR

- John Trela, SC-235 Chair, presented.

The group requested delivery date change to March 2023 due to longer than expected time needed for reaching consensus. Member Hoekema indicated many current certifications are using DO-227A version of the document with difficulty, so revision is needed but even March 2023 may be too aggressive. However, the document is in Final Review and Comment now, so EASA will make thorough review and provide inputs.

- Approval was moved by Member Williams, seconded by Member Turner. The proposed revised TOR was approved (RTCA Paper No. 260-22/PMC-2335).

E. SC-FAS – Forum for Aeronautical Software – SC Activation and TOR Approval

- Rebecca Morrison, RTCA Senior Program Director, presented.

Director Morrison indicated there will not be any action on FAS activity until SC-240/WG-117 way forward is finalized (agenda item 5D).

F. FAA Actions Taken on Previously Published Documents – Update

- Bruce DeCleene and Robert Bouza, Federal Aviation Administration, presented.

FAA Published Documents that reference published RTCA Documents, FAA Pending Documents for RTCA Documents Published, and FAA plans for RTCA Documents pending PMC approval were reviewed.

GAR DeCleene commented the FAA is still reviewing DO-262F to determine what to incorporate into TSOs. And SC-228 documents all have significant milestones in maturing the appropriate rules for drone operations, but there are no specific plans for their use at this time.

The presentation was in a new format and the FAA is trying to better track what is intended with use of documents and provide a more accurate TSO status.

Robert Bouza reported that by the next PMC meeting they hope to include documents in development with their new management tool. Specific items of note discussed were:

- DO-384 – Completed public comment and identified technical issue; dates likely to slide
- DO-282C – AC and TSO getting ready for public comment
- DO-317C – TSO-C195c public comment is done; consulting and expect to publish soon
- DO-358B – TSO-C157d comments close today
- DO-181F and Change 1 – internal review prior to public comment release
- DO-394 – AC associated with DO-200C
- DO-366A – same as other SC-228 documents
- Noted for correction to FAA – DO-230K will be replaced by DO-230L expected publication in December

PMC members commented that they liked the new report and appreciated the snapshot that is very helpful. Goal by FAA is to get to PMC members sooner.

Member McDowell pointed out that there are many TSOs waiting. GAR DeCleene agreed trend must get better on processing and releasing.

- Presentation is posted on AerOpus (RTCA Paper No. 249-22/PMC-2329).

G. Special Committees - Chair's Reports – Review

- Rebecca Morrison, RTCA Senior Program Director, presented.

Reports were received from SC-242, SC-237, SC-230, SC-227, SC-224, SC-217, SC-206, and SC-186.

SC-240 – Presented today as part of TOR status report (agenda item 5D)

SC-235 – Presented today on revised TOR (agenda item 6D).

SC-228 – Presented today on several documents (agenda items 3B, 3C, 3D, and 3E).

SC-222 – Presented today on a document (agenda item 3A).

SC-214 – Presented today on revised TOR (agenda item 6C).

SC-147 – Presented today on revised TOR (agenda item 6B).

SC-135 – Presented today on a clarification on EVTOL concern and possible change to DO-160() (agenda item 5H).

- The individual committee reports are posted on AerOpus (RTCA Paper No. 247-22/PMC-2327).

H. International Coordination – Status Update

- Rebecca Morrison, RTCA Senior Program Director, presented.

EUROCAE TAC Meeting Dates:

TAC#92 September 7-8 – Frankfurt (Fraport)

TAC#93 November 22, 2022 – Brussels (ECTL or SJU)

TAC#94 March 2023 – Doodle to be launched

There were ten publications since the June 2022 PMC meeting. Eight of these documents were joint with RTCA.

No current calls for participation on new SC/WG formed.

There are several topics to be discussed at the EUROCAE/RTCA Coordination Meeting that will be held before the next PMC meeting.

Currently, RTCA and EUROCAE are working a virtual event, Global Summit on Spectrum, for December 13-14.

- The EUROCAE update (to include the publication list) is posted on AerOpus (RTCA Paper No. 251-22/PMC-2331).

AGENDA ITEM 7

Other Business

A. Advanced Air Mobility/Urban Air Mobility (AAM/UAM)

- Davis Hackenberg, PMC Member, presented.

Member Hackenberg provided a quick review of main points from March 2022 PMC meeting presentation to include overview of the AAM Mission, Ecosystem Goals, Draft Standards Roadmap Meta Model, and active NASA SDO engagement. Hackenberg also had praise for recent released FAA report and the activity seen at this PMC meeting across all SC's. Be glad to help with comprehensive look at each SC to take broad look and offer help as needed.

Supports the Advisory Board recommendations on improving visibility on SC activity and progress. Chair Hegarty agreed if SC is not within scope, that is the PMC's action. Jessie Turner added that EUROCAE's approach on WG management is slightly different.

Discussion ensued on what is AAM community and whether this information is being shared. Davis commented that need to look at all camps – some needed now, and some a little down the road to meet their needs. Buy-in is needed – hope organic within RTCA and it will continue to grow. Member Turner commented that a company or government agency comes to us for need. And then proper action is determined – for example, large batteries – not really part of current SC-235 or sunset SC-225. But need support before starting work.

- Presentation is posted on AerOpus (RTCA Paper No. 256-22/PMC-2334).

B. Improving Visibility of SC Progress

- Terry McVenes, RTCA President, presented.

President McVenes provided a summary of output from RTCA's Advisory Committee on Special Committees Measuring Our Performance Key Performance Indicator work. The output concerned what could be done to better manage our committees – not necessarily deliverable items, but some focus on other topics to put more rigor into the standards development process to ensure we are meeting industry and regulatory agency needs.

The group came up with 7 questions Rubric. In general, these questions seemed to be the right questions with some more for startup of an SC and some out of RTCA staff control.

President McVenes stated the overall goal was to improve quality and scope of RTCA work to ensure the organization is meeting government and industry needs. Requested PMC member input on possible value of the evaluation, how to best utilize the Rubric and by whom, what might be missing from the Rubric and possible next steps.

Discussion Points:

Member Hackenberg indicated this is part of why he wanted to be part of PMC. Wants to help identify gaps – as all standard organization need some type of review/monitoring. Agree this is not necessarily staff work. Commends effort and volunteered NASA resources as needed.

President McVenes indicated the real purpose of the Advisory Board is to view items at strategic level. Members indicated the SC should fill out the rubric with staff assistance.

Chair Hegarty added the rubric questions are great to track. Possibly additionally track level of participation (which the staff had also suggested). VP Secen commented that attendance is tracked for Plenaries, but normally not for working group sessions. Obviously, this can be changed.

Next step(s):

- President McVenes: give directly to SC leadership?
 - Chair Hegarty: possibly include as part of Chair Report?
 - o McVenes: include as part of the report format (Action)
 - o GAR DeCleene: agree; possibly ask SC to give more than just rating
 - o Member Hackenberg: how big an ask: need goals to define what is trying to be achieved – recommend clear guidance
 - President McVenes: not a judgement on SC, rather to understand what is needed
 - Chair Hegarty: for now, just ask leadership, reach out to participants as well so as not to get filtered information
 - Member Hoekema: SC focus, but maybe focus on individual products – possibly include stakeholders
 - o President McVenes: hopefully end users are part of SC
 - o Include pathways to implementation
 - Member Turner: experience on SC-186 working White Paper – survey, roadblocks, etc.
 - Not only within SC, but include outsiders in evaluation
- The presentation with more details of specific questions and staff feedback is posted on AerOpus (RTCA Paper No. 250-22/PMC-2330).

AGENDA ITEM 8

Schedule for Committee Deliverables and Next Meeting Date

Documents expected for the December 15, 2022, meeting:

- SC-147, Traffic Alert & Collision Avoidance System (TCAS)
 - o DO-396 – *MOPS for ACAS sXU Functionality*
- SC-186, Automatic Dependent Surveillance - Broadcast (ADS-B)
 - o White Paper – *Summary of Activities and Potential Changes to DO-317C and DO-381A Change 1*

- SC-224, Standards for Airport Security Access Control Systems
 - DO-230L – *Standards for Airport Security Control Systems*

- SC-228, Minimum Performance Standards for Unmanned Aircraft Systems
 - DO-YYY – *Guidance Material for Lost C2 Link UAS Behavior*

NOTE: since this PMC meeting date, it has been determined this document will not be ready for presentation at the December meeting.

- White Paper – *Vehicle to Vehicle Communications*

The dates for the next four PMC meetings were confirmed: Thursday, December 15, 2022; Thursday, March 16, 2023; Thursday, June 22, 2023; and Thursday, September 21, 2023.

AGENDA ITEM 9

New Action Item Summary

See PMC Action Item Table.

/Signed/

Karan Hofmann, Secretary
RTCA Program Management Committee

CERTIFIED to be a true and accurate report of the meeting.

/Signed/

Christopher Hegarty, Chair
RTCA Program Management Committee

**Program Management Committee – September 15, 2022
ATTENDANCE LIST**

PMC MEMBERS:

Christopher	Hegarty	The MITRE Corporation Chair (Proxy for Ed Hahn (ALPA) and Robert Ireland (A4A))
James	Baird	Federal Aviation Administration
Clay	Barber	Garmin, Ltd.
Bruce	DeCleene	Federal Aviation Administration Government Authorized Representative (Proxy for Doug Arbuckle (FAA))
Davis	Hackenberg	National Aeronautics and Space Administration
Jens	Hennig	General Aviation Manufacturers Association
Hette	Hoekema	European Aviation Safety Agency
Karan	Hofmann	RTCA, Inc. Secretary
Donald	Kauffman	Honeywell International, Inc.
Terrance	Kirk	Aviation Information Sharing and Analysis Center
Mike	McDowell	Collins Aerospace
Terry	McVenes	RTCA, Inc.
Andrew	Roy	Aviation Spectrum Resources, Inc.
Al	Secen	RTCA, Inc.
Jessie	Turner	The Boeing Company
Heidi	Williams	National Business Aviation Association
Edgar	Wright	U.S. Air Force

OTHER ATTENDEES:

Rich	Adler	Federal Aviation Administration
Ruy	Brandao	Honeywell International, Inc.
Robert	Bouza	Federal Aviation Administration
Gilbert	Ceballos	Federal Aviation Administration
Katie	Edwards	The Boeing Company
Mike	Hooper	Iridium
Ravi	Jain	Federal Aviation Administration
Chuck	LaBerge	LaBerge Engineering
Kyle	McMullen	National Institute for Aviation Research
Rebecca	Morrison	RTCA, Inc.
Thuc	Nguyen	EUROCAE
Norman	Pereira	Federal Aviation Administration
Claire	Robinson	Universal Avionics Systems Corp.

Brandon	Suarez	Reliable Robotics
Brandi	Teel	RTCA, Inc.
Chris	Tourigny	Federal Aviation Administration
John	Trela	The Boeing Company
Russ	Uthe	Collins Aerospace
Steve	Van Trees	Federal Aviation Administration
Mike	Vukas	Federal Aviation Administration
Jim	Williams	Aura Network Systems

PMC ACTION ITEM TABLE

TRACKING NUMBER (Meeting Date and agenda item from which original action resulted)	ACTION	ACTION ASSIGNED TO	DUE DATE	STATUS
03/18/2021 Agenda Item 7D	03/18/2021 – Add ICAO representative to PMC invite 06/17/2021 – Initial contact made, still coordinating 09/16/2021 – Still awaiting input 12/16/2021 – Still awaiting input 03/17/2022 – Reported closer to getting a name 06/23/2022 – More follow up needed 09/15/2022 – Still in work	Terry McVenes & Andy Roy	Sep 2022	Open
09/16/2021 Agenda Item 5E	09/16/2021 – Reach out to DAC for their action on spectrum & surveillance activities 12/16/2021 – Contact with new AAAC Chair – more to follow 03/17/2022 – Still being coordinated 06/23/2022 – Ongoing monitoring 09/15/2023 – Will continue interaction with AAAC, but not necessary to track as AI	Terry McVenes	Sep 2022	Closed
12/16/2021 Agenda Item 5B	12/16/2021 – Presentation to ICAO Spectrum Panel on activity, SC formation, etc. 03/17/2022 – Being coordinated 06/23/2022 – Still in coordination 09/15/2022 – Presentations between FMSP and SC-242/WG-124 being coordinated	Terry McVenes, Al Secen, and Andy Roy	Sep 2022	Open
12/16/2021 Agenda Item 6I	12/16/2021 – Regroup between Secretariats on way forward on SC-240/WG-117 03/17/2022 – Conditional approval of revised TOR – more work needed 06/23/2022 – Workshop held for inputs 09/15/2022 – Coordination continues	RTCA and EUROCAE Staffs & SC-240 Leadership	Dec 2022	Open
03/17/2022 Agenda Item 5D	03/17/2022 – Provide means for PMC members to further review DESIDE application and provide feedback to RTCA staff 06/23/2022 – Being worked 09/15/2022 – Completed and PMC members need to provide input to RTCA by 30 Oct (new action)	Securboratorion	Sep 2022	Closed

03/17/2022 Agenda Item 5D	03/17/2022 – Investigate way forward on DESIDe program within RTCA	RTCA Staff	Dec 2022	Open
06/23/2022 Agenda Item 6C	06/23/2022 – Possible SC-216 adjustments to new TOR in coordination with EUROCAE WG-72 09/15/2022 – To be addressed at Oct joint Plenary	SC-216	Dec 2022	Open
06/23/2022 Agenda Item 5J	06/23/2022 – ICC to address SC-239 TOR revision 09/15/2022 – Action reported complete	ICC	Sep 2022	Closed
06/23/2022 Agenda Item 6F	06/23/2022 – SC-135 clarify to PMC on EVTOL concern and possible change to DO-160 09/15/2022 – Presentation accomplished	SC-135	Sep 2022	Closed
09/15/2022 Agenda Item 3C	09/15/2022 – Reformat DO-387 Change 1, verify contents, and conduct OOC Ballot for approval	SC-228 and RTCA Staff	Dec 2022	Open
09/15/2022 Agenda Item 3C	09/15/2022 – Presentation on formats for various document types (Errata, Change, Revision)	Rebecca Morrison	Dec 2022	Open
09/15/2022 Agenda Item 4A	09/15/2022 – Request SC-239 provide presentation on status at PMC meetings	SC-239 Leadership	Dec 2022	Open
09/15/2022 Agenda Item 5D	09/15/2022 – Share all data from SC-240 survey results with PMC members	RTCA Staff	Dec 2022	Open
09/15/2022 Agenda Item 5E	09/15/2022 – PMC members have inputs on DESIDe to RTCA by 30 Oct	PMC Members	Oct 2022	Open
09/15/2022 Agenda Item 5E	09/15/2022 – Get account for new PMC member on DESIDe test server	Karan Hofmann	Oct 2022	Open
09/15/2022 Agenda Item 6C	09/15/2022 – Share EASA paper on datalink with PMC members	Hette Hoekema	Dec 2022	Open
09/15/2022 Agenda Item 7B	09/15/2022 – Incorporate SC Rubric questions in Chair Report	Rebecca Morrison	Dec 2022	Open