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RTCA Paper No. 274-23/SC230-077
10/30/2023

RTCA SC-230 Plenary #34 Meeting Minutes (August 1st, 2023)

Attendance list:

<i>August 1st</i>	
<i>Name</i>	<i>Company</i>
<i>Karan Hofmann</i>	<i>RTCA</i>
<i>Moin Abulhosn</i>	<i>FAA</i>
<i>Jean-Baptiste Berthier</i>	<i>Airbus</i>
<i>Mohammed Ahmed</i>	<i>Boeing</i>
<i>Jeff Finley</i>	<i>Collins</i>
<i>Mark Smith</i>	<i>Collins</i>
<i>Marius Irimia</i>	<i>Collins</i>
<i>Mariusz Starzec</i>	<i>Garmin</i>
<i>Florian Kunstmann</i>	<i>Hensoldt</i>
<i>Dawn Gidner</i>	<i>SeaTec Consulting</i>
<i>Jan Lukáš</i>	<i>Honeywell</i>
<i>Yahya Golestani</i>	<i>Honeywell</i>
<i>Venkata Sishtla</i>	<i>Collins</i>
<i>Matthew Lug</i>	<i>USAF</i>
<i>Jared Adams</i>	<i>ALPA</i>
<i>Ed Hahn</i>	<i>ALPA</i>
<i>Divesh Lakhi</i>	<i>Collins</i>



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8/1/23 SC230 WG-10 Plenary #34 - Virtual

Action items – Day 1

[Ed] Graciously took an action to pass the draft ToR along to his colleges for any modification, if needed.

[Dawn/Karan] Make a motion by allowing Karan and Dawn to help clean up the ToR to meet all document format requirements for using this submittal presented in Fall PMC September 21st. Action for Dawn and Karan to work together on it.

[Karan] Had to perform RTCA President approval to get chair assigned (adding Dawn back as Co-Chair), etc.

[Group] Action to arrange bi weekly meeting and plan next plenary on October 31st and Nov. 2-3rd.

High-level summary of effort and major discussion points:

- BRIEF ROUND OF INTRODUCTIONS
- RTCA OPENING POLICY REMINDERS
- JEFF EXPLAINED THE AGENDA
- ACTIVITIES SINCE LAST PLENARY WERE DISCUSSED
 - SC-230 DO-220B MOPS PRESENTED AND APPROVED FOR PUBLICATION
 - SC-230 TOR REVISION TO GO TO ACTIVE MONITOR STATUS REJECTED. PMC REQUESTED SC-230 PERFORM ANALYSIS TO DETERMINE X-BAND WEATHER SUSCEPTIBILITY TO RFI DUE TO POTENTIAL 6G SPECTRUM REQUESTS.
- THERE WAS MUCH DISCUSSION ON WHAT FORM OF DELIVERABLE WILL BE USED FOR TOR REVISION.
- ED HAHN (SC-242 CHAIRMAN) REFERENCED THE RADIO ALTIMETER TEAM (SC-239) WHO DEVELOPED A WHITE PAPER WHICH CAN BE USED AS A STARTING POINT. THIS WHITE PAPER IS FREELY AVAILABLE FROM THE SC_239 RTCA PUBLIC WEBSITE (SEE BELOW). IT SHOWS WORK THAT WAS DONE BY SC-239.
- SOME REFERENCES AND LINKS WERE QUOTED TO RESEARCH MATERIAL:
 - [HTTPS://WWW.RTCA.ORG/WP-CONTENT/UPLOADS/2020/10/SC-239-5G-INTERFERENCE-ASSESSMENT-REPORT_274-20-PMC-2073_ACCEPTED_CHANGES.PDF](https://www.rtca.org/wp-content/uploads/2020/10/SC-239-5G-INTERFERENCE-ASSESSMENT-REPORT_274-20-PMC-2073_ACCEPTED_CHANGES.PDF)
 - [HTTPS://WWW.RTCA.ORG/WP-CONTENT/UPLOADS/2021/09/7-F-SC-239_WHITE_PAPER_ERRATA.PDF](https://www.rtca.org/wp-content/uploads/2021/09/7-F-SC-239_WHITE_PAPER_ERRATA.PDF)
 - [HTTPS://WWW.RTCA.ORG/SC-239/](https://www.rtca.org/sc-239/)



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- TEAM DISCUSSED ON WEATHER RADAR RFI SUSCEPTIBILITY – WORKING GROUP STRUCTURE.
- TEAM DISCUSSED WHAT FUTURE PERFORMANCE OF WEATHER RADAR SHOULD BE FROM RADIO ALTIMETER EXPERIENCE, CHALLENGES WHICH COMMITTEE FACED AND TROUBLES TO FINALIZE IT.
- FRAC COMPLETION DATE FOR WHITE PAPER SUBMISSION, ESTIMATED COMPLETION DATE SETTLED TO DECEMBER 2024.
- IT WAS AGREED THAT CERTAIN LEVEL OF TESTING WILL BE INVOLVED, MORE THAN LITERATURE SEARCH UPS TO UNDERSTAND LEVELS OF SUSCEPTIBILITY AND HOW RFI CHARACTERISTICS WOULD MANIFEST IN COMMON STRUCTURAL FORMAT SIMILAR TO SC-242, HAVE TO BE CAPTURED INTO THE FINAL DELIVERABLE.
- DESPITE THE WORK AHEAD OF US, TEAM CONSENSUS AGREED TO FRAC COMPLETION DATE OF DECEMBER 2024 IS DOABLE.
- SOURCES OF INTERFERENCE THAT SHOULD BE CONSIDERED WILL BE IN-BAND VERSUS OUT-OF-BAND
- COMMITTEE DID REVIEW THE SCOPE AND HAD COORDINATION IN GREATER DETAIL.
- IT WAS ALSO CONSIDERED TO DEFINE THE CHARACTERISTICS OF THE WEATHER RADAR IN RESPONSE TO 6G SPECTRUM INTERFERENCE.

Next plenary

The next meeting is virtual – 31 October and 2-3 November, 10:00 am – 2:00 pm ET

CERTIFIED as a true and accurate summary of the meeting.

Mohammed Ahmed, SC-230 Secretary

Jeff Finley, SC-230 Co-chair

Dawn Gidner, SC-230 Co-chair