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Saint Denis, 11 July 2025
Washington, 11 July 2025

**EUROCAE WG-119 Plenary Meeting #19 “Radar Altimeter” /
RTCA SC-239 Plenary Meeting #19 “Low Range Radar Altimeter”**

DATE: 11 July 2025

TIME: 9 – 11 AM ET (USA)

PLACE: Hybrid (Cologne, Germany / Online)

CONTACTS:

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AGENDA

1. Welcome and Introductions
2. EUROCAE/RTCA presentations (Administrative Reminders – Rebecca, Mark)
3. Validation of the previous Plenary MoM (18th plenary) (Sai)
4. Review of MOPS Schedule and Scope
5. Review and status of RAC Comments
6. Review of Risk Register
7. Future Meetings
8. Other Business
9. Review of Action Items
10. Adjourn

PARTICIPANTS:

<u>Name</u>	<u>Organization</u>
Andrew Roy	ASRI
Anum Pirzada	Free flight systems
Barbara Clark	FAA
Behlul Poonawalla	FreeFlight Systems
David Redman	AVSI
Donny Morrow	ALPA
Eddie Straub	Garmin
Hussain Al-Sadi	Boeing
Helmut Brutscher	AIRBUS Helicopters
Hernan Suarez	Oklahoma University
Jean-Luc Robin	Airbus
Jerry Golden	UAL
Jim Williams	Aura Network Systems
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Mark Watson	EUROCAE
Miles Bellman	FAA Spectrum
Nic Shroul	ASRI
Mauro Pagliarini	EASA
Rebecca Morrison	RTCA
Ramiro Reinoso	Intelsat
Rebecca Swaszek	US DOT Volpe
Richard Amy	DGAC France
Rob Steinle	FAA
Rockee Zhang	Univ of Oklahoma
Ryan Kuo	GA-ASI
Sai Kalyanaraman	Collins Aerospace
Seth Frick	Honeywell
Shunichi Futatsumori	ENRI
Stephane TALLET	Thales
Ted Peterson	Collins
Timo Warns	Airbus
Tim Murphy	Boeing
Torben Themsen	GSMA
Tuck Poon	Nokia
Wes Gooze AAL	American Airlines

Agenda Item 1: Welcome, Introductions and Administrative Remarks

Jean-Luc Robin welcomed the group, and the group did a round of introductions.

Agenda Item 2. EUROCAE/RTCA presentations (Administrative Reminders)

Rebecca and Mark Watson provided the RTCA and EUROCAE policies and administrative reminders.

Agenda Item 3. Validation of the previous Plenary MoMs

Sai presented the minutes, and the group approved the same.

Agenda item 4 : MOPS Scope and schedule

An overview of the MOPS Scope and schedule was presented and there were no material changes to the schedule. The MOPS is anticipated to be available as a final green cover document by Mar of 2027.

Agenda item 5: Review and status of RAC Comments

Seth presented the RAC comments status and indicated that the plan was to close out all comments in time for the September plenary. He also shared with the committee the bulk spreadsheet with comments. Rebecca Morrison from RTCA provided additional guidance on summarizing RAC comments resolution. There was a total of 854 comments with 261 – Low, 255 - medium and 61 - high comments (rest are editorial in nature). The status of RAC resolution at the end of the last plenary is seen below:

Summary of Comments

	Number	Not Started	In Process	Complete
Non-Concur	0	0	0	0
High	61	9	31	21
Medium	255	235	8	12
Low	261	261	0	0
Editorial	277	277	0	0
<i>N/A</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>Substantive</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Total	854	782	39	33

Agenda Item 6: Review of Risk Register

Rebecca indicated that the risk register was instantiated at the request of the president / CEO of RTCA. This was presented at the RTCA PMC as well and the plan is to update this on a continual basis and use it as a tool set to track and reflect any new risks (to MOPS completion).

Risk ID	Affected SG	Technical or Logistics Risk	Description of Risk	Effect on Schedule	Mitigation action(s)	Risk Status (Proposed, Active, ...)
R04	SG-4	Technical Risk	TRX Prototypes Ready for test after RAC Comment Closure	Delay in completing validation (BL3)	At least two Rad Alt manufacturers (txr) (per class) allocate resources	Active
R05	All	Logistics Risk	Flight test assets are not available by two manufacturers each for validation	Delay in completing validation (BL3)	At least two Rad Alt manufacturers (Txr) (per class) allocate resources	Active
R07	SG-4	Technical Risk	The completion of new flight test procedures results in needing to modify TXR performance requirements. (Note - may also effect completion of validation)	Delay in entering validation (BL2)	Appendices will build consensus that may lead to better requirement via the RAC commenting process	Active
R08	SG-4	Technical Risk	Definition of and need for Class Delta never reaches consensus.	Delay in completing validation (BL3)	It is possible Delta class could be removed or the appendices work will clarify this risk. Schedule effect is only if there is not consensus on how to resolve any issues with class delta.	Active
R09	SG-4	Technical Risk	Details of loop loss model could change and need consensus.	Delay in entering validation (BL2)	Appendices will build consensus that may lead to better requirement via the RAC commenting process	Active
R11	All	Logistics Risk	Published MOPS requirements cannot be met without breaking some existing aircraft integration.	Delay in completing validation (BL3)	Mitigation options are under discussion	Active
R12	All	Logistics Risk	Member support not available due to other RA activities that may be needed to address continued operational safety needs (For example, potential FCC rulemaking / activity) (Note - this risk is for each BL and will not fully be retired until BL 4)	Delay in entering validation (BL2)		Active
R13	SG-7 (ATN)	Logistics Risk	RA antenna manufacturer support needed through the validation process for the anteaenna requirements and test procedures.	Delay in completing validation (BL3)	At least two RA antenna manufacturers allocate resources	Active

Agenda Item 7: Discussion of Future Meetings

1. SC-239/WG-119 meeting and plenary – Minneapolis, MN - Week of Sep 15th, 2025 at Honeywell in Minneapolis, MN, USA. The plenary is to be held on Friday morning (19th Sep) at 9 AM US CT.
2. SC-239/WG-119 has planned to have full committee working meetings dedicated to: RAC Comment resolution: 3 meetings a week - Tuesdays, Wednesdays and Thursdays at 10.00am ET USA time (1.5 hours each).
3. There were plans for additional meetings to discuss Safety Margins (Lead by Kim) for comment ID 77821 and 77841 and to address the appendix updates (SG-4) that are independent of the comment resolution activity.

Agenda item 9: Review of Action Items:

- 1) No pending action items
- 2) No new action items

Agenda item 10: Other Business

- 1) Torben (GSMA) indicated that he heard that one can see the RF (ITM) parameters this fall. Rebecca Morrison from RTCA stated that this material is currently copyrighted. Baseline 2 of the MOPS draft document is expected this fall and RTCA understands that there is value (for all stakeholders) in seeing the RA ITM. No specific decision on releasing this info had been made at the current time.

- 2) Torben had a question on what an aeronautical allocation meant in 3400 – 3700 MHz (WRC-31 related question). Kim Kolb replied that this is an action to open it up for an airborne (usage) allocation.

Agenda item 11: Adjourn.

The meeting was adjourned (at 09:55 AM US ET).