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RTCA Paper No. 350-22/SC239-025

Saint Denis, 29Sep2022  
Washington, 29Sep2022

**EUROCAE WG-119 Plenary Meeting #8 “Radar Altimeter” /  
RTCA SC-239 Plenary Meeting #8 “Low Range Radar Altimeter”**

**DATE:** 29 Sep-30Sep, 2022

**TIME:** 8 AM – 5 PM EDT

**PLACE:** Washington D.C.

**CONTACTS:**

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**AGENDA**

1. EUROCAE/RTCA presentations and policy - Rebecca, Karan, Anna
2. Round table of introductions and detailed agenda for SG – Jean-Luc
3. Q and A on FRAC / OC process
4. Validate previous plenary minutes
5. Discuss dates for future plenaries and working meetings
6. Review final draft guidance document
7. Consider motion to initiate FRAC/OC
8. Other business, action item review
9. Adjourn

## PARTICIPANTS



InPersonAttendance.pdf



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### **1. Welcome, Introductions and Administrative Remarks**

Karan Hoffman and Rebecca Morrison from RTCA and Anna Guegan from EUROCAE welcomed the participants. Anna and Karan presented the RTCA and EUROCAE IPR and other relevant policies. Jean luc lead the roundtable table of introductions.

### **2. Agenda Review**

The group reviewed and approved the meeting agenda (which Jean Luc presented).

### **3. Plenary discussions**

Jean Luc provided a set of slides and an update on the guidance doc. He clarified that this guidance document is not "the" standard. That will be the MOPS and will be coming out in Dec 2023. This document will provide the BAPFD and give info to stakeholders to make the most informed decisions at the time of publication. DO-399 (guidance doc) will also be leveraged to provide input to SC-242.

Goal of the SC is to complete the guidance document by the end of the September plenary week and get it ready for FRAC/OC. On Sep 30, we will have a vote for contingent approval for opening FRAC/OC (contingent on EUROCAE TAC approving the updated EUROCAE ToR).

SC-239's goal is to open frac on 10 Oct 2022. The FRAC/OC window is a 45 day period. Jean Luc walked the group through slide 2/3 of his presentation for the ED/DO-399 status. The group believed that we are almost done with the document except for capturing the anonymized in-band values of the best achievable PFD. The group's goal is to publish DO-399 in Jan 2023. Jean Luc then presented the schedule (status of DO-399, slide 3/3).

The next Plenary is scheduled to take place in Paris, 12-15 Dec 2022, Pursuant to this, we will have another plenary the week of Feb 13, 2023 at RTCA. JLR updated slide 2/3 (Status DO-399) to show the fact that we are not picking one BAPFD curve and that we are presenting all the curves provided in the anonymized data sets.

Rebecca Morrison walked the group through the mechanism of what is expected when it comes to handling a non – concur comment.

Rebecca asked Dave Redman to give us a high level walk through of the sections of the DO-399 document. Dave Redman walked the group through the sections and how they are structured:

Section 3 - where the data is (BAPFD Curves) along with guidance on how it is to be used.

Section 4- reserved for discussion on aspects of the data presented in section 3.

Section 5 - Introduce the methodology for RF compatibility scenario assessment. Intended approach is to be generic and help provide an assessment framework.

Appdx A - grouping of rad alt

Appdx B - 5G and emerging RF env  
Appdx C - apply generic methodology to the ILS scenario

FRAC open to anyone to comment. Rebecca can give people the comments spreadsheet for people to use and comment. RTCA (Rebecca) clarified that they will not entertain an out of cycle dissent.

There was discussion on potential delays to the MOPS if this document gets delayed. Ms. Barbara Clark from the FAA stated that we should take the doc for what it is (guidance material) and ensure that we restart working on the MOPS in Jan '23 with the goal to finish by Dec 2023. Seth agreed with the sentiment that Barbara expressed.

Plenary was adjourned and the group we will reconvene at 8:30 AM ET tomorrow.

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30Sep2022:

Jean Luc opened the plenary with the agenda for the day. Rebecca and Anna provided the overview of the FRAC/OC process. Telecom stakeholders wanted to know how they can comment and if they can use Aeropus to this end - Rebecca concurred.

Sai presented minutes from last plenary - this was approved. - Dave redman led a reading session of the current version of the DO-399 document. Redman asked how we want to share the spurious data. Janet Young from the FCC said that the data from the in band was not the best achievable and is the old data and asked for the new data to be provided. Seth said that the old PSFD data can be shown and compared to M2059 and that we are trying to get the new anonymized data put in. Pursuant to further discussions, the group was able to obtain updated PSFD data for the in-band.

Further discussion centered on the need to clarify where the interference tolerance thresholds will apply and the need to reflect the Runway Safety Zone in the document was recognized. Action: Sai to lead a sub group to discuss this after the plenary and provide input to the document before the FRAC.

The group continued a review of DO-399 after the lunch break and reviewed of BAPFD plots, Pursuant to the review of the document. Dave Redman motioned to move to FRAC and Ed Hahn seconded - motion passed without any objection.

#### **4. Future Meetings**

- a. Next joint plenary with EUROCAE WG-119 will be the week of the 12'th of Dec 2022 in person (starting at 1 PM CET) at EUROCAE premises in St. Denis (with support for hybrid participation).
- b. Other Actions – (over and above what has been mentioned in the main body of the minutes)
  - i. Action: review and provide feedback to Dave Redman on the contents of DO-399 ahead of going into FRAC

#### **5. Adjourn**

The meeting adjourned around 12:38 PM ET.