

**Minutes of 31st Meeting
RTCA Special Committee 227
25th Meeting
EUROCAE WG-85
23 – 26 May 2022
Virtual/RTCA**

Agenda

Monday, May 23, 2022, 9 AM to 4 PM EDT (15h – 22h CEST)

1. Welcome and Administrative Remarks, review of RTCA/EUROCAE Policies
2. Introductions
3. Review and Approve February 2022 Meeting Minutes
4. Review status of WGs 1, 2, & 3
5. Review status of DO-236D/ED-75E
6. Suspend plenary, convene WG-2 until lunch
7. 1 PM convene WG-3 to end of day

Tuesday, May 24, 2022, 9 AM to 4 PM (15h – 22h CEST)

1. 9 AM to 12 PM – WG-2 (15h – 18h CEST)
2. 1 PM to 4 PM – WG-3 (19h – 22h CEST)

Wednesday, May 25, 2022, 9 AM to 4 PM (15h – 22h CEST)

3. 9 AM to 12 PM – WG-2 (15h – 18h CEST)
4. 1 PM to 4 PM – WG-3 (19h – 22h CEST)

Thursday, May 26, 2022, 9 AM to 12 PM (15h – 18h CEST)

1. Reconvene in plenary
2. Review remaining plenary dates in 2022
3. Review Action Items
4. New Business
5. Adjourn
6. Working Groups may continue to meet until 4 PM if desired

Chairpersons: Mike Cramer, MITRE
 Ellen McGaughy, Collins Aerospace
 GEAR: Barry Miller, FAA
 Secretary: Dave Nakamura, MITRE
 Program Director: Rebecca Morrison
 EUROCAE TPM: Alex Engel
 WG-85: Okuary Osechas, DLR

Attendees	Company/Organization
Name	
Aaron Jacobson	Boeing
Alex Engel	EUROCAE
Andrew Riedel	Boeing
Axel Friedrich	Navblue
Barry Miller	FAA
Bennie Hutto	NATCA
Bill de Groh	APA
Bill Tuccio	Garmin
Bob Gaul	Garmin
Brad Miller	FAA
Brandon Lint	FAA
Brandon Weaver	DLR
Colin Ogden	Collins Aerospace
Dale Courtney	FAA
Daniel Nelson	UK NATS
Dave Nakamura	MITRE CAASD
David DeSmedt	EUROCONTROL
Dimitri Garbi	EASA
Dinesh Kushwaha	Collins Aerospace
Ellen McGaughy	Collins Aerospace
Erik Ringnes	Honeywell
Fernando Diaz	ENAIRE
Frank Wigold	Lufthansa Systems
Gang Feng	Boeing
Gary Petty	FAA
Guy Dekker	Thales
Jeff Kerr	FAA
Jeff Meyers	FAA
Jenny Ledford	FAA
Joel Dickinson	FAA
John Barry	FAA
Kendal Hershberger	Garmin
Kirk Kolek	Collins Aerospace
Mike Cramer	MITRE
Michelle Yeh	FAA
Mitch Meldrum	Honeywell
Monica Vafiades	USAF
Nathan Beeten	USAF
Nick Tallman	FAA
Okuary Osechas	DLR
Rebecca Morrison	RTCA
Reuss Anderson	Garmin
Ruth Hirt	FAA

Shivathsan Narayanan
Silvia Palanca Ordonez
Silviu Ceparu
Stephen Moody
Steve Horvath
Sylvain Raynaud
Thatch Vandenberg
Tim Geels
Tim Padden
Tom Yochum
Toyohachi Yokota
Valeriu Vitan
Wade Morton
Wes Googe
Yee Xiong

DLR
Airbus
Bombardier
Boeing
Garmin
Airbus
Boeing
Collins Aerospace
USAF
Boeing
JRANSA
EUROCONTROL
Boeing
American Airlines
UASC

Monday, May 23rd

Mike reviewed the agenda for the 31st meeting.

Welcome and Administrative Remarks

Mike Cramer opened the plenary Webex session at 9:00 AM, Monday, May 23rd. Mike welcomed the participants. Introductions were made in the room and on-line through roll call. Rebecca reviewed the housekeeping information for passwords, restrooms, use of microphones, and group dinner.

Rebecca and Okuary (for Alex) reviewed both the RTCA and EUROCAE Anti-Trust, Proprietary, and Committee Membership Participation policies. It was noted that WG3 is working around a known proprietary info issue.

Review and Approve minutes

Dave walked through the minutes for the February meeting, No. 30. There were no changes. They were accepted.

Review Status of WG-1

The MASPS updates were completed and forwarded to RTCA in March, as was the comment worksheet. The comment worksheet will be posted to Aeropus. WG-1 will now going into a standby mode.

Review Status of WG-2

WG2 has 13 change proposals plus another new one. The 13 were adapted from the MASPS change proposals. Barry noted that there are a number of exceptions in the TSO that may result in new change proposals for the MOPS. Any other TSO related issues and suggested changes are welcome.

Review Status of WG-3

WG3 will be continuing their discussions this week.

General

The MASPS will go to the PMC today. June 23rd publication of the MASPS is expected. EUROCAE council approval is now expected on the same day. This is all ahead of the original schedule. The 227 TORs will be updated for the new 227 co-chair, Ellen.

Adjourned to WG-2/WG-3 Sessions

WG2 until noon. WG3 after.

Tuesday – Wednesday, May 24th-25th

WG-2 and WG-3 were in work sessions.

Thursday, May 26th

1. Review remaining plenary dates in 2022. The next two meetings are August 15-19 in DC, and November 14-18 in Europe. The meetings will be mostly working groups. Alex has reserved rooms at EUROCAE.
2. WG2 Summary
The WG was able to review 11 change proposals for the MOPS, 10 were the same changes as made to the MASPS, DO-236D. One change proposal is new for the MOPS and further discussion is needed. The 10 MASPS changes as applied for the MOPS were accepted by

Commented [DN1]: Having WG reports

the WG. Ten changes were presented for quick walk through because they have been previously plenary accepted for the MASPS. The changes are technically the same with minor differences such as RNP equipment vs system and editorial corrections. Presented were:

1. M1-02/M3-01, Change Proposal – DME
2. M1-03 Change Proposal - Multi-sensor Navigation and Inertial Navigation
3. M1-04 Change Proposal – Datalink
4. M1-07a Change Proposal – Introduction
5. M1-07b Change Proposal – TSE Terminology Clarification
6. M1-08 Change Proposal – Containment. Note no change is required for the MOPS.
7. M1-09 Change Proposal – Navigation Database Requirements
8. M1-11 Change Proposal – Lateral Turn Performance
9. M1-12a Change Proposal – Direct To and Course-to-Fix
10. M1-19 Change Proposal – Onboard Navigation Databases

The changes were accepted and will be posted to Aeropus in the 227 MOPS accepted changes as well as in the WG2 accepted changes folder.

3. WG3 Summary

A significant milestone was reached in that all of their action items were included in WG3 NVIVO tool. The tool organizes the content intended for updates to DO-257. This represents the work over the last year. There was an issue of whether the changes were to DO-257 or be a new document, but ended up staying with DO-257 which aligns to the TORs. WG3 is using all of their action items in Aeropus, which is different than the other working groups. The action items will result in change proposals for the MOPS.

Intended Function and Definitions were discussed at length, with a draft update that will be loaded to Aeropus for WG3.

The next WG3 meeting will be in June.

4. Review Action Items

There were no action items

5. New Business

There was no new business.

6. Adjourn

Working Groups may continue to meet.

Webex/Meeting Adjourned