



EUR 246-24/ WG79-101
 RTCA Paper No 181-24/SC213-149

Saint Denis 5 August 2024

Minutes of Meeting SC-213 Meeting 54 & EUROCAE WG-79 Meeting#48 Enhanced Flight Visions Systems/Synthetic Vision Systems (EFVS/SVS)	
Date	May 21-23, 2023, 9:00am-5:00pm CET
Place	Hybrid – Virtual/In Person
Venue	EASA Konrad-Adenauer-Ufer 3, 50668 Köln, Alemania
Host	EUROCAE
Contact Persons EUROCAE RTCA	<i>Esther Hoyas Vicente</i> esther.hoyas@eurocae.net +33 7 62 06 18 95 and <i>Rebecca Morrison</i> rmorrison@rtca.org +1 202-330-0654

Agenda

1. Introductions and Welcome
2. EUROCAE/RTCA Policies
3. Review and approve minutes from November 2023 Plenary
4. FAA/EASA/TCCA Regulator Updates
5. Review work by Working Group 1, 2 and 4 Status
6. Comment Resolution Meeting from FRAC/OC SVS (WG-1) MASPS
7. Industry Updates
8. Schedule for Next Plenary?
9. Other Business
10. Review of Action Items
11. Adjourn

Minutes of Meeting

Wednesday, May 22

1. Introductions and Welcome

Thea Feyereisen (co-chair) opened the hybrid plenary meeting and Vincenzo Pennetta (host) welcomed the committee to the EASA facility. Attendees introduced themselves (see attached attendee list).

2. EUROCAE/RTCA Policies

Esther Hoyas and Brandi Teel reviewed RTCA and EUROCAE policies, including:

1. RTCA Anti-trust
2. RTCA Proprietary Policy
3. RTCA Reproduction and Referencing

4. EUROCAE Intellectual Property Rights
 5. RTCA Committee Participation Membership Policy
 6. EUROCAE WG Participation policy
 7. EUROCAE GDPR and Privacy Policy
 8. EUROCAE recording prohibition
3. Review and approve minutes from November 2023 Plenary

The Plenary Agenda was reviewed. No modifications to the published agenda were identified.
Review and approve minutes from November 2023 Plenary

Daniel Chiew (Secretary) reviewed the meeting minutes for the prior plenary meeting (RTCA SC-213 #53 / EUROCAE WG-79 #47).

MOTION: Carlo Tiana motioned to approve the meeting minutes. Troy Niles seconded. No opposed. Motion passed. Meeting minutes were approved.

4. Committee Terms of Reference

The committee discussed ways to reengage WG-4 participation and the path forward for the WG-4 work products in the TORs

[ACTION 54-1]: Carlo Tiana to explore and propose path forward for eVTOL Vision Systems with adjacent EUROCAE WGs by next SC-213 plenary (July).

[ACTION 54-2]: Carlo Tiana to recommend expansion or contraction of WG-79/WG-4 TOR work product by next SC-213 plenary (July).

5. FAA/EASA/TCCA Regulator Updates

EASA. Vincenzo Pennetta summarized the prior day's working group brief on EFVS-200 operations, presented by Francisco ARENAS ALVARES). Trent Prange requested slides to be posted to AerOpus

FAA. Trent Prange provided a briefing on airworthiness. AC 20-167B is still in review. No major changes are expected; however it is still stuck in the queue. In the interim, applicants may now use the draft AC as guidance, via reference. FAA Policy has been amended to allow field use of the draft AC.

Sean Flack provided an operational briefing. EFVS and SVGS AFM suitability statements have now been standardized. This includes a note regarding LED runway lighting compatibility. A discussion regarding production LED deployment in the NAS and their charting followed. For charting, following FAA coordination, the "L-" prefix to indicate LEDs (e.g., L-MALSR) is now disfavored. While charting details are pending, AFS-410 proposed hosting a list of LED approach lighting systems on the EFVS Ops Policy website. Additional questions could be directed to Don Lampkins (Tech Ops) or Matt Harmon (Flight Standards).

TCCA. Manny Belanger provided the briefing. The EFVS Ops AC (akin to FAA's AC 90-106B) is awaiting National Aircraft Certification review. The document and policy are a mix of FAA and EASA advisory/guidance materials and policies. Once through review, the document must also go through translation (to French). Meantime, the nation-wide EFVS exemption is currently in place. To date, all EFVS VA/EVF was produced and validated by FAA, and then accepted by TCCA. As for EFVS airworthiness AC, TCCA plans to adopt FAA AC 20-167B however with additional work for a Consistency Check.

6. Industry Updates

No industry updates were provided nor presented.

Review work by Working Group 1, 2 and 4 Status

Working group leads and members provided the following updated status.

- WG-1 (SV/CV). Working Group is working through comment resolution. Plan is to complete resolution this week.
- WG-2 (EV). Working Group continues to work through comment resolution. Due to member availability, will continue approximately weekly virtual meetings to finish comment resolution for approval at a subsequent plenary meeting.
- WG-4 (Rotorcraft). Working group is on hiatus due to lack of active participation (see also prior captured action items 54-1 and 54-2).

7. Schedule for Next Plenary

The committee discussed subsequent plenary meetings, their schedule, form, and venue. It was decided that a virtual plenary to accept WG-2 FRAC comment would be needed followed by an in-person plenary meeting at the typical fall timeframe, as follows:

- Virtual Plenary: For WG-2 FRAC resolution acceptance and TOR update. Dates not finalized, tentatively at the end of July (e.g., July 31).
- Face to Face Plenary: October 15-17. Hosted by RTCA in Washington, DC, USA.

8. Comment Resolution Meeting from FRAC/OC SVS (WG-1) MASPS

Working Group 1 session continued with FRAC comment resolution

[ACTION 54-3]: Esther Hoyas, Brandi Teel, and Trent Prange to clarify MASPS language regarding position of new MASPS and implication to usability of prior standards by June 30.

Thursday, May 23

9. Comment Resolution Meeting from FRAC/OC SVS (WG-1) MASPS

The committee continued addressing WG-1 FRAC comments.

[ACTION 54-4]: Esther Hoyas and Brandi Teel to provide clarity on listing active participants vs whole working group rosters in the MASPS by next SC-213 plenary (July).

All WG-1 FRAC comments were addressed and/or dispositioned.

MOTION: David Han motioned to accept the WG-1 document FRAC resolutions as presented and to advance the WG-1 document towards release. Troy Niles seconded the motion. No opposed. Motion passed.

10. Adjourn & Review of Action Items

Thea Feyereisen thanked the members for their engagement and participation and thanked Vincenzo Pennetta for hosting the plenary meeting. Esther Hoyas also thanked the members for their contributions.

Daniel Chiew reviewed the 4 captured action items during the plenary meeting.

MOTION: Thea Feyereisen motioned to adjourn the meeting. Daniel Chiew seconded the motion. No opposed. Motion passed and plenary meeting is adjourned.

Attendance

	Attendee (V = Virtual)	Affiliation
1	Manny BELANGER	TCCA
2	Sherwin CHEN (V)	Boeing
3	Daniel CHIEW	Collins SC-213 Secretary
4	Glenn CONNOR	DTI
5	Guilliam FAVE	EASA
6	Thea FEYEREISEN	Honeywell SC-213 Co-Chair / WG-1 Lead
7	Sean FLACK (V)	SAIC (FAA)
8	David HAN	Collins
9	Esther HOYAS	EUROCAE EUROCAE WG-79 TPM
10	Ron HRABAK (V)	FedEx
11	Paul KENWARD (V)	Lockheed Martin
12	Troy NILES	Universal SC-213 Co-Chair
13	Vincenzo PENNETTA	EASA
14	Larry PINE	Boeing
15	Trent PRANGE	FAA
16	Brandi TEEL (V)	RTCA SC-213 Program Director
17	Carlo TIANA	Collins EUROCAE WG-79 Chair
18	Mariusz 'Ski' WISNIEWSKI	FAA