



EUROCAE Paper No EUR 277-21 / WG79-86
RTCA Paper No. 276-21/SC213-134

May 5-6, 2021

Minutes of Meeting EUROCAE WG-79 #41 meeting/ RTCA SC-213 Joint Plenary #47 Enhanced Vision Systems (EVS) and Synthetic Vision Systems (SVS)

Date	May 5-6, 2021
Place	Virtual
Venue	Virtual
Host	RTCA
Contact Persons EUROCAE RTCA	<i>Sergiu Marzac</i> sergiu.marzac@eurocae.net <i>Phone: +33 1 49 46 19 73</i> <i>and</i> <i>Rebecca Morrison</i> rmorrison@rtca.org <i>+1 202-330-0654</i>

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Agenda

Tuesday, 4 May (0900 – 1400 Eastern Time) – Working Groups

1. WG4 Discussions
2. WG1 Discussions
3. Adjourn

Wednesday, 5 May (0900 – 1400 Eastern Time) - Plenary

1. Check-in
2. Welcome, Introductions, administrative items, agenda review
3. EUROCAE/RTCA Policies/AerOpus Demonstration
4. Review and approve October 2020 and December 2020 and April 2021 meeting minutes
5. FAA/Industry updates: GAMA/EASA/EFVS AC
6. WG2 Discussions dates
7. WG1 Discussions
8. Adjourn

Thursday, 6 May (0900 – 1400 Eastern Time) - Plenary

1. WG4 Discussions
2. WG2 Discussions
3. WG1 Discussions
4. Actions, next steps, next meeting objectives - TOR update, next plenary date, location and virtual or face to face
5. Adjourn

Welcome and Introduction

Rebecca Morrison, RTCA, reviewed the RTCA anti-trust, proprietary and membership policies. Sergiu Marzac, EUROCAE, commented that the EUROCAE intellectual policies (IPR) are the same as RTCA's. Members with any questions were advised to contact the WG leadership.

Patrick Krohn and Carlo Tiana facilitated the around the "virtual room" introductions. There were 38 participants on the call at the start of the meeting.

Participants were informed that the new ED-281 / DO-390 (Qualitative Visual Advantage for Credit MASP) would hopefully be released by 17 May 2021. Dates for next meeting will be October 26-28 at RTCA in Washington DC. The plan is for October 2021 meeting to be capable of both in person face to face and virtual link in, however specifics on venue and forum would be subject to COVID related restrictions and conditions in October.

Meeting minutes from December 2020 and April 2021 plenary minutes were approved.

FAA updates (Trent Prange)

Trent Prange reported that the draft AC 20-167B will be through FAA internal processes and released for public comment. The FAA NAV Service Branch (FAA Visual Guidance Lighting Systems Team, AJM-3220) released a new DRAFT specification for PAR-38 and PAR-56 LED airport approach lights, entitled Performance Specification PAR-38 and PAR-56 Light Emitting Diode (LED) Steady Burning Light Sources For The Medium Intensity Approach Lighting System With Runway Alignment Indicator Light (MALSR). Available at: <https://beta.sam.gov/opp/1805190621a04b6991f610db0bf14b38/view>

EASA Updates (Vincenzo Pennetta)

EASA introduced new Ops Regulation 2018. Per Rule Office, new regulation should be approved sometime next year. New "Rules" will be harmonized with FAA for EVS and EFVS

operations and certification efforts.

TCCA Updates (Manny Belanger and Natalie Wong)

TCCA to use FAA and/or EASA documents as the basis for TCCA EVS, EFVS, and SVS processes and documents.

WG Updates

WG2 (Randy Bailey)

Glenn Connor reported that the simultaneous ICAO AWO meeting was addressing “Hybrid Systems” and consideration of merging “Hybrid Systems” with EFVS and SVS/SVGS. Mark Schlegel brought up new display technology concern regarding Large Area Displays (LAD) where multiple displays heads are replaced by single LADs where multiple windows that accommodate multiple display formats. Previously a dedicated PFD and some other dedicated safety critical displays may have higher safety requirements and other displays lower safety requirements.

Discussion regarding EVS/EFVS/CSV Declutter on HDDs terminology. Considered a “de-select” not a declutter. Similar to removal of symbology and/or one or more layers to “simplify” the format being displayed.

WG1 (Thea Feyereisen)

Thea proposed new wording regarding Secondary Display requirement.

WG4 (Carlo Tiana)

Carlo led discussions on the defining the helicopter operations appropriate for CSV enhancements.

Actions Items

1. None

Attendance

Name	Organization
André Knorr	ESG
Brandon Wilson	Collins Aerospace
Bryan Lesko (ALPA)	ALPA
carlo TIANA	Collins Aerospace
Charles C Johnson	FAA
Chiara Maria Pia Colli	Leonardo
Christopher MISIAK (EASA)	EASA
Cliff Johnson	FAA
Daniel Chiew / Collins	Collins Aerospace
David BELET ATR	ATR
Glenn Connor	Discover Technologies
Jan-Ole Jacobsen	SAAB
Joel Astruc	Airbus
Kate Morowsky	Aerion
Manny Belanger (TCCA)	TCCA

Mariusz Wisniewski (FAA)	FAA
Mark Humphreys	Precision Approaches
Mark Schlegel	Textron
Mikaela Lokatt	SAAB
Natalie Wong TCCA	TCCA
Patrick Krohn	Universal
Paul Kenward	Lockheed Martin
Peter LeVoci	FAA
Peter Neumeier	Lockheed Martin
Philippe Salmon	Collins Aerospace
Pierre-Yves Dumas T	Thales
Randall Bailey	NASA
Rebecca Morrison	RTCA
Ronald Hrabak	Fedex
Scott McLellan	FAA
Sean Flack	SAIC
Sherwin Chen	Boeing
Thea Feyereisen	Honeywell
Tomas Beda	Honeywell
Trent Prange	FAA
Trish Ververs (Honeywell)	Honeywell
Tyler Travis	FAA
Vincenzo Pennetta	EASA

Next Meeting

The next plenary is planned for October 26-28, 2021 in Washington, D.C. (or virtual).