Minutes of Meeting
EUROCAE WG-79 #28 meeting/ RTCA SC-213 Joint Plenary # 37

Date: April 18 - 19 2018
Place: EASA Cologne Germany
Venue: EASA
Host: EASA

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Attendance: Please see attached PDF document for complete attendance list.

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Welcome and Introduction

Patrick Krohn, Universal Avionics, opened the meeting. Members were introduced. Trent Prange, FAA, read the DFO statement. Rebecca Morrison, RTCA, presented the RTCA Proprietary Policy and Sergiu Marzac, EUROCAE, presented the EUROCAE Proprietary Policy. Rebecca also presented the RTCA Committee Participation Membership Policy. Minutes from the October 2017 Meeting in Washington DC (35th Plenary), December 2017 Virtual Plenary (36th Plenary) and January 2018 Virtual Plenary (37th Plenary) were approved.

Terms of Reference

The group discussed needed updates to Terms of Reference including due dates for current work products and potential future work product needs. Items discussed included a generic clean-up of 315b, SVGS100 and enhanced LPV description a CVS.

Working Group Updates

WG1: Thea Feyereisen, Honeywell, will become the new chair. She replaces the
previous chair, Dave Domino, Mitre, who has since retired.

WG2: Work in progress. Ready for FRAC after a few minor edits.

WG3: Current work scope has been completed and document is available for sale.

WG4: FRAC comments have been received and dispositioned by the committee.

**Airbus Presentation**

Fabrice Bousquet, Airbus, presented a video on the SVS flight test program at Airbus. They are working with suppliers and hopeful for a 2020 entry into service across multiple platforms.

**EFVS Visual Advantage**

EFVS certification historically has been certified to the intended function, e.g., 100ft operation. A qualitative assessment would be conducted in a sample of weather and environmental conditions to determine if it works. It has been problematic to make the systems available for airline-type operations because of dispatch and approach ban. The current thinking is that operator would have to demonstrate quantitatively confidence of approach completion given the weather conditions. There was discussion of performance based and quantitative testing for visual advantage. The FAA Flight Standards is looking at performance based demonstration of visual advantage. The FAA is also discussing of quantitative testing. The goal is consistent process and method to document each applicant’s visual advantage value.

**WG4**

Comments received during FRAC from the Helicopter CVS MASP were reviewed along with the disposition. Consensus was reached to close FRAC. A small group will close out remaining comments and the current document will become a white paper instead of a MASP (with name change). The longer term plan will be to include a helicopter specific module into the next update of DO-315.

**WG2**

The current SPR draft was presented and discussed. Consensus was reached that the document is ready for FRAC. Randy will provide SPR to RTCA by May 1. FRAC is anticipated to be closed by June 22.

**CS-AWO**

Carl Garvie, EASA, with support from Frans Van Gorkum, presented the EASA CS AWO work that has been undertaken including: Automatic Landing Systems, Head Up displays, Enhanced Flight Vision Systems, Synthetic Vision Guidance Systems and Combined Vision Systems. Next step is to publish an NPA in Q2 2018. CS-AWO amendment (ED Decision) in Q42018.

**EFVS Overview**

Trent Prange, FAA, presented information on the update to AC 20-167A and AC 20-185. It is planned that AC 20-167B will contain installation guidance for EVS, EFVS and CVS. AC 20-185A is planned for SVS, SVGS and SVS-ASA.
**Actions Items**

1. Coordinate white paper plan between RTCA and EUROCAE leadership.
2. Images in WG4 and WG2 papers must receive release from owners for inclusion in published document.
3. WG1, WG2 and WG4 to reconvene and look at DO-315 to identify scope of desired changes and timeframe required to complete the desired work products prior to July 15.
4. WG4 White Paper, WG2 SPR and updates to TOR are required prior to July 30.
5. RTCA leadership to confirm location of next face to face prior April 30.

**Next Meeting**

Our next meeting is planned to be a Virtual Plenary to approve publication of the ETOS SPR and changes to TOR in July (or was it early August). October 23-25, 2018 is tentatively planned as the next face-to-face plenary. It may be hosted in Atlanta GA by Delta. Alternatively, the meeting will be hosted in Washington DC by RTCA.