



WG-115 / SC-238 – Counter UAS

15 - 16 June 2023 – Plenary Session #16

1. Welcome, Introductions, Administrative Remarks by Committee Leadership

Meeting attendees

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| • Alex Milns | EUROCAE |
| • Assaf Monsa | D-Fend Solutions Ltd |
| • John “JJ” Johnston | Raytheon |
| • Henrik Olsson | Weibel Scientific |
| • Julia Sanchez | EUROCONTROL |
| • Javier Ceballos Gutierrez | EUROCONTROL |
| • Juan Vicente Balbastre Tejedor | Universitat Politècnica de València |
| • Karan Hofmann | RTCA |
| • Lee Gratz | SAAB |
| • Lee Nguyen | NUAIR Alliance |
| • Mark Reed | ALPA |
| • Queron “Q” Thompson | FAA |
| • Thomas Oster | EASA |
| • Victor Gordo | INECO |
| • Jaime Lopez Araquistain | EUROCONTROL |
| • Geert de Cubber | European Commission, (Royal Military Academy, Belgium) |
| • Chris Swider | FAA |

Apologies.

- Adam Robertson – joined for the last session on Friday
- Karan Hofmann – will join when able due conflicting meeting in RTCA. Was in attendance for the ToR review (Agenda item 6)
- Juan Lopez Campos

Meeting opened 10h15 CEST / 04h15 EDT.

Introduction by Assaf, the 2 days will focus in document development, learning from our accrued experiences. A review of the Tor will be conducted as per the agenda timings.

Tour de table – all participants introduced themselves.

2. Review Agenda

Agenda is agreed as proposed following a description by Assaf of the intentions of each line item.

3. RTCA/EUROCAE Policy Material

Alex presents the EUROCAE and RTCA (on behalf of Karan) working policies to the participants.

Participating in the Plenary session implies “acknowledging” the above presented policies.

Policies described in “Plenary Opening Slides” are available on EUROCAE Workspace for this meeting.

4 + 5. Overview of SC/WG Status, including working sessions

Latest document on line in EUROCAE is Version 0.18 (placed in error in the INTEROP document work area)

As the SPR document has evolved, it is proposed to include INTEROPERABILITY for detection system at detection level (DTI)

Chapter 1 – needs to be reviewed/updated in light of changing scope.

Chapter 2 – the main part of the document, has been extensively reviewed and close to final. Further inputs welcomed.

Chapter 3 – Describing scenarios and airport detection zones.

Chapter 4/5 – will combine into a safety support assessment, as detailed safety risk assessment is beyond scope at this time.

Chapter 6 – INTEROPERABILITY for detection part. Will not consider the broader C-UAS system of systems – that will be for another document.

Javier discussed the scope of Chapter 2 as at the current V0.18 draft, describing the structure of the document and the content of the document.

Identity information for the UAS (e.g., Remote ID), as well as cooperative surveillance information are attributes that should be used within the C-UAS system where available. These additional layers of information would supplement the non-cooperative detection system which is being described in the current document. To be reflected as a note in the SPR, but expanded as necessary in review of the OSED, and the broader INTEROP document.

Group member proposals for further enhancements to the document were proposed including testing requirements.

Discussion on Chapter 3 the considerations that were applicable to the design of the airport detection zones. This included ATC specialist input: however the ATC requirements are not the only considerations. Need to relate the performance volumes described in Chapter 2 with the operational requirements for coverage in Chapter 3

- A Breakout Session was established to consider in detail the criteria for the various detection zones and associated performance requirements – Henrik Olsson, Queron Thompson, Lee Gratz and Lee Nguyen contributed to that work.

Internal interoperability – should reference existing standards where available (e.g., NATO Sapiant) but remain open to other interface standards which may support the necessary data exchange requirements.

Reference to standards developed by other SDOs – may be included but not to a level of detail that impacts the IPR of the other SDO.

Day 1 meeting adjourned at 18h00 CEST / 12h00 EDT.

Day 2 (Friday 16th June):

Meeting reconvened at 10h00 CEST / 04h00 EDT

Extensive discussions on threat reporting and classification requirements took place – the object being to best reflect the operating concept intentions in the draft document.

Agenda items 6 and 8 (recorded below) were conducted.

Henrik presented the outcome of work in the breakout session concerning airport zones (which built on earlier work done in this area of the document).

Update to the SPR document – the outcome for the meeting, and baseline for further work is uploaded to the EUROCAE workspace – under both the [Plenary Meeting \(read only record\)](#) and also the [SPR Document project DP002 \(working version\)](#).

6. Review and update Terms of Reference (ToR) / Work Programme / Task Sheets

A draft update to the EUROCAE Work Programme and Task Sheets was present to the meeting. The members proposed minor edits which were incorporated into the final document, which will be presented to the EUROCAE TAC on 27th June for approval.

The draft RTCA Terms of Reference was also reviewed (aligned with the EUROCAE version) and agreed by the meeting to be presented to the RTCA PMC on 22nd June for approval.

Summary of Changes:

- Combine SPR/INTEROP into one document and adjust title
- Change completion date for SPR/INTEROP from 3Q2023 (RTCA: July 2023) to 4Q23 (RTCA: October 2023) – EUROCAE dates unchanged.
- Add revision of OSED (DO-389/ED-286) with completion date 4Q2024 (RTCA: October 2024)
- Complete INTEROP after OSED update with completion date 4Q2025 (RTCA: October 2025)

7. Any Other Business

NIL

8. Review Action

Adam / Karan – present RTCA ToR update to PMC 22nd June and report outcome to the group.

Assaf / Alex – present EUROCAE WP/TS to TAC 27th June and report outcome to the group.

9. Set Future Meetings

Ongoing working meetings every Thursday to review interim progress through June/July.

Plenary Meeting #17: 4th August 2023 - Virtual – Preparation for OC/FRAC for SPR/INTEROP

Plenary Meeting #18: 24 – 25th October – RTCA – Review of OC/FRAC for SPR/INTEROP

10. Adjourn

Assaf thanked all members for the contributions over the 2 days, especially colleagues in the US for their early starts!

Julia noted the document progress and integration actions to be completed ahead of the next Plenary meeting.

Adam acknowledged the ongoing commitment of members to the important work.

Alex thanked all members for the contributions and ongoing commitment, as well as Julia/EUROCONTROL for their hosting of the meeting.

Meeting closed at 15h40 CEST / 09h40 EDT.

Minutes prepared by Alex Milns – WG-115 TPM