

C-UAS STANDARDISATION

EUROCONTROL High Level Workshop

Alex Milns, Technical Programme Manager, EUROCAE

4 November 2024 – Brussels.

- ✈ Established in 2019
- ✈ WG-115 Co-Chairs
 - ✈ Assaf Monsa – D-Fend Solutions
 - ✈ Javier Ceballos-Gutierrez - EUROCONTROL
- ✈ SC-238 Chair
 - ✈ AI White – DZYNE Technologies
- ✈ Scope
 - ✈ Develop standards to support the safe and harmonised implementation of Counter-UAS Systems into airport and ANSP systems. Focus is on the detection and surveillance capabilities around the airfield, along with the interoperability of C-UAS with other systems.



✈ Current publications

- ✈ ED-286 / DO-389 – Operational Services and Environment Definition for Counter-UAS in controlled airspace (2021)
- ✈ ED-322 / DO-403 – System Performance and Interoperability Requirements for non-cooperative UAS detection systems (2023)

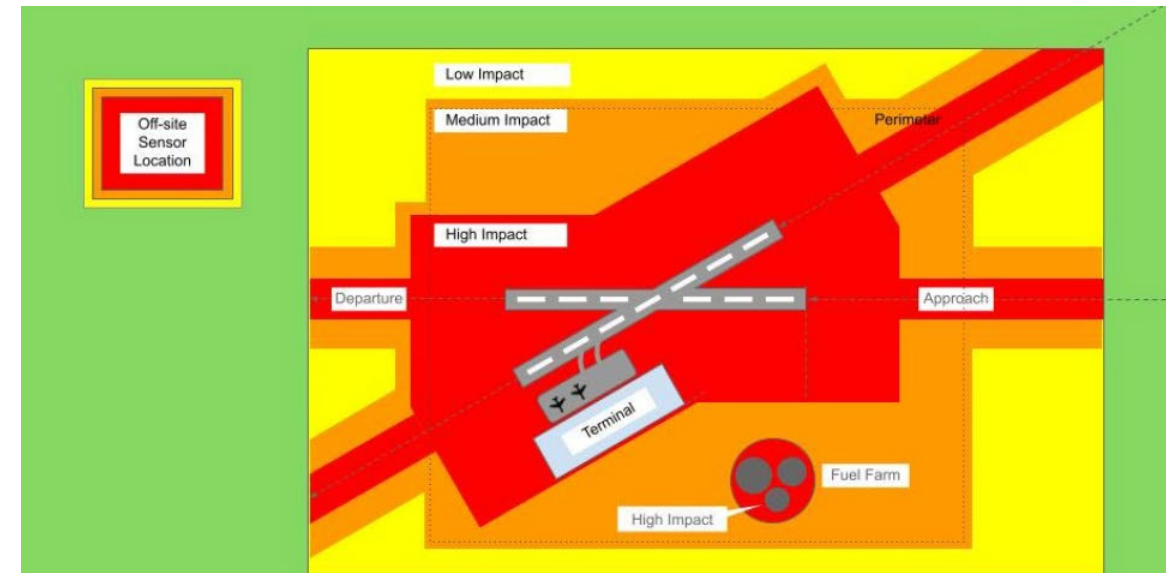
✈ Current Deliverables

- ✈ ED-286A / DO-389A – OSED for Counter-UAS systems in controlled airspace (2025)
- ✈ ED-xxx - Interoperability Requirements for Counter-UAS systems (2025-26)



✈ System Performance and Interoperability Requirements for Non-Cooperative UAS Detection Systems

- ✈ Counter-UAS System Overview
- ✈ Safety and Performance Requirements
- ✈ Airport Critical Zones
- ✈ C-UAS Interoperability Requirements
- ✈ Available at:
 - ✈ [EUROCAE eShop](#)
 - ✈ [RTCA Store](#)



✈ Current Work Programme

- ✈ OSED for Counter-UAS systems in Controlled Airspace (2025)
- ✈ 5 Workstreams
 - ✈ C-UAS use cases, scenarios and UAS operations
 - ✈ C-UAS decision support
 - ✈ System architecture
 - ✈ Sensors, data and interoperability
 - ✈ Safety, security and risk considerations



- ✈ UK Defence, Science Technology Laboratory (DSTL)
 - ✈ BSI Flex 335 – SAPIENT
 - ✈ V2.0 March 2024

- ✈ European Committee for Standardisation (CEN)
 - ✈ CWA 18150 UAS – Counter UAS Testing Methodology
 - ✈ Published October 2024

- ✈ UK National Protective Security Authority (NPSA)
 - ✈ CUAS DTI Testing and Evaluation Standard Requirements
 - ✈ Published October 2022



✈ International Standards Organisation

- ✈ ISO/CD 16746 Counter UAS — Quality and safety for users. (in comment review)
- ✈ ISO/CD 16747 Counter UAS — Manufacturing quality and safety. (in comment review)
- ✈ ISO/NP 25216 Categorization and classification of unmanned aircraft (UA) detection and countermeasure system (new work - target publication in 2027)

✈ Deutsches Institut für Normung

- ✈ DIN 5452-9: A Standard for C-UAS: Improving the quality of systems and creating a level playing field



THANK YOU



www.eurocae.net

