



WEBINAR PROGRAM

“Airports: regulations and guidance for the design of perimeter security for critical infrastructure”

The seminar takes place in a single 100-minute session and requires registration via Calendly.

The seminar is delivered on the ZOOM platform (accessible through a dedicated link).

The training path is structured as follows:

- What is an airport as a critical infrastructure?
- What are the risks of inadequate physical security in an airport?
- Why is it essential to protect an airport?
- Definition of critical infrastructure
- EU Directive 2022/2557 on the resilience of critical entities (CER)
- Guidance for compliance with the Critical Entities Resilience Directive (CER)
- Security Management Procedures – Operator Security Plan (PSO equivalent)
- International and national regulatory bodies (ICAO, EASA, TSA, ENAC, ENAV, IATA, CAA UK, GACA Saudi Arabia)
- ICAO Annex 17 – Aviation Security
- Saudi Arabia HCIS – High Commission for Industrial Security
- HCIS – Perimeter layout requirements
- National Protective Security Authority (NPSA) UK
- European Standards: EN 50130, EN 50131, EN 62676, EN 60839, EN 50136
- CE Declaration of Conformity and related rules
- Test reports and airport certifications (e.g., SAFE SKIES – USA)
- Civil and criminal liability for security systems
- Key factors for airport security risk assessment
- TCO, ROI and the moral responsibility of design
- Maintenance and operational management
- Security: active and passive components
- ASTM Standards (e.g., ASTM F2781-15)
- Fence types classified by intrusion resistance (minimum height 2 m)
- Intrusion delay time (objective achievement time)
- Alarm handling time
- Technologies: Microwave Radar, microwave barriers, Fresnel PIR, MEMS sensors
- Influence of weather conditions and IR attenuation
- Performance characteristics required from security sensor manufacturers
- Visible or thermal video sensors used for perimeter protection
- Video analytics, privacy, and personal data management
- The importance of system integration
- Synapses – Integrated CIAS ecosystem
- Real Case Studies – images and explanations from real airport applications