



Aviation Security (AVSEC) Management Course: ICAO Annex 17, Screening and Security Programmes

12 – 16 July 2027

Barcelona - Eixample district four-star



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Introduction:

Aviation Security AVSEC management under ICAO Annex 17, screening and security programmes is the subject of this 5-day course for managers who own airport or airline security programmes, supervise screening, control airside access or oversee cargo security, and who produce an Aviation Security Programme and Quality Control Plan. Growing airports and airlines often add terminals, routes and staff faster than their security programmes, screening checkpoints and oversight can adapt. Nominees already supervise security functions, and teaching is by case study on programme extracts, screening data and audit findings. CoreConcept Training Center delivers this aviation security management course.

Course Objectives:

- Interpret ICAO Annex 17 Standards and the Aviation Security Manual guidance as they apply to airport operators and aircraft operators
- Structure an airport security programme or airline security programme with clear responsibilities, measures and threat-based security levels
- Supervise passenger, cabin baggage and hold baggage screening using equipment, alarm resolution and screener performance data
- Control access to security restricted areas through airside identification permits, background checks, vehicle passes and staff screening
- Apply air cargo, mail and in-flight supplies security controls and mitigate insider threat across the supply chain
- Plan security audits, inspections and covert tests and convert findings into corrective actions within a quality control plan

Target Audience:

- Managers who own and maintain an airport security programme or an airline security programme
 - Supervisors accountable for passenger and baggage screening checkpoints and screener performance
 - Managers responsible for airside identification permits, perimeter control and restricted area access
 - Cargo, mail and catering security leads who apply controls to goods before loading
 - Security quality control managers who run audits, inspections and tests and track corrective actions
 - Station and ground security managers who coordinate airline security measures at outstations
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Course Outline:

Day 1: Aviation Security Threat Landscape and Programme Baseline

- ICAO Annex 17 Purpose, Scope and Operator Responsibilities
- Aviation Threat Picture Covering Unlawful Interference and Sabotage
- National Civil Aviation Security Programme Interface With Operators
- ICAO Annex 9 Facilitation Balance With Security Measures
- Current Security Programme Baseline Review Using Annex 17 Checklist

Day 2: Security Programme Frameworks and the ICAO Aviation Security Manual

- ICAO Doc 8973 Aviation Security Manual Structure and Guidance
- Airport Security Programme Content, Owners and Approval Cycle
- Airline Security Programme Measures for Stations and Aircraft
- Risk-Based Security Level Matrix Linked to Threat Assessment
- Airport Security Committee Terms of Reference and Coordination

Day 3: Screening Operations, Access Control and Airside Identification

- Passenger and Cabin Baggage Screening Checkpoint Configuration
- Hold Baggage Screening Levels and Alarm Resolution Protocol
- Explosive Trace Detection and Security Scanner Deployment Rules
- Airside Identification Permit Issue, Background Check and Revocation
- Vehicle Pass, Perimeter Patrol and Restricted Area Boundary Control

Day 4: Cargo Security, Insider Threat and Security Incident Handling

- Regulated Agent and Known Consignor Supply Chain Controls
- Air Mail and In-Flight Supplies Security Measures
- Insider Threat Indicators, Vetting Refresh and Staff Screening
- Bomb Threat Assessment and Unattended Item Response Procedure
- Security Incident Reporting, Contingency Plan and Lessons Review

Day 5: Case Study on Security Programme and Quality Control Plan

- Case Airport Screening Performance and Covert Test Data Review
 - Case Airline Station Security Measures Gap Analysis
 - Security Audit, Inspection and Test Schedule Design
 - Corrective Action Register and Recurring Finding Root Cause Exercise
 - Aviation Security Programme and Quality Control Plan Completion
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Skills You Will Gain:

- Security Programme Drafting
- Screening Checkpoint Supervision
- Alarm Resolution Oversight
- Airside Permit Administration
- Cargo Supply Chain Security
- Insider Threat Mitigation
- Security Audit Planning
- Corrective Action Tracking

Why Attend This Course:

- Deliver an Aviation Security Programme and Quality Control Plan to the accountable security manager and airport or airline leadership
- Decide which security measures to raise when the threat level changes at a terminal or outstation
- Avoid audit findings, screening failures and permit lapses that lead to enforcement action and flight delays
- Brief screeners, permit offices and cargo staff on the programme changes and test results that affect their work

Conclusion:

Back at work, the participant presents the Aviation Security Programme and Quality Control Plan to the accountable security manager and the airport security committee or airline security leadership, who use it to approve programme amendments, screening resources and the audit and test schedule for the coming cycle. Permit offices and cargo teams act on the access and supply chain controls. After the first round of inspections and covert tests, the security function should review findings, closure rates and screener results, then update the programme and the plan.

Frequently Asked Questions FAQ:

What should participants know before an Aviation Security AVSEC management course?

Participants should already supervise or coordinate a security function at an airport, airline, cargo operator or catering unit. Familiarity with local screening or permit procedures helps. Bringing an anonymised extract of a security programme or audit report supports the case study.

How does this Aviation Security AVSEC management course differ from an aviation safety management course?

It addresses deliberate acts of unlawful interference under ICAO Annex 17: screening, access control, cargo security and security quality control. A safety management course deals with accidental hazards, safety reporting and safety performance indicators, which are a separate discipline.

Why does Aviation Security AVSEC management need a quality control plan?

A quality control plan shows whether security measures work in practice. Audits, inspections and covert tests reveal screening, access and cargo weaknesses before an adversary does, and corrective actions close them in a traceable way.

What do participants take back to work from the Aviation Security AVSEC management course?

Participants take back an Aviation Security Programme and Quality Control Plan for a case airport or airline, a security audit and test schedule, a corrective action register template and screening and permit control checklists.
