



Airside Safety Management Course: Apron Safety, Runway Incursions, FOD and Airside Driving

23 – 27 November 2026

Istanbul - Levent business district hotel



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Introduction:

Airside safety management, covering apron safety, runway incursions, FOD and airside driving, is a 1-week course for airside safety, apron supervision, airfield inspection and ground handling safety staff, ending with an Airside Safety Inspection and Improvement Plan for their aerodrome. Airports and handling agents face aircraft damage, vehicle collisions, jet blast injuries and runway incursions when apron rules, driving permits and debris controls are applied unevenly across organisations working airside. Nominees already supervise, inspect or coordinate activity airside, and teaching is by inspection walkthrough of apron and runway scenarios. CoreConcept Training Center delivers this airside safety management course.

Course Objectives:

- Apply ICAO Annex 14 and PANS-Aerodromes Doc 9981 apron management and movement area procedures to daily airside supervision
- Administer an airside driving permit scheme, vehicle standards and right-of-way rules for staff and contractors
- Identify runway incursion risks using ICAO Doc 9870 and GAPPRI recommendations, and support the work of a local runway safety team
- Run FOD prevention, detection and removal routines with inspection routes, records and trend analysis
- Assess jet blast, pushback, stand and airside works hazards and record them in the aerodrome SMS hazard log
- Conduct an airside safety inspection and produce an Airside Safety Inspection and Improvement Plan for the aerodrome

Target Audience:

- Airside safety staff responsible for apron rules, safety inspections and occurrence follow-up
 - Apron supervisors and apron management staff responsible for stand operations and aircraft movements on the apron
 - Airfield inspection staff responsible for runway, taxiway and FOD inspections
 - Ground handling safety leads responsible for turnaround safety and the conduct of handling staff airside
 - Airport operations duty staff responsible for coordinating airside activity, works and low visibility procedures
 - Airside driving instructors and permit administrators responsible for driver and vehicle standards
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Course Outline:

Day 1: Airside Safety Foundations and the Current Airside Picture

- ICAO Annex 14 Movement Area and Apron Definitions
- Airside Stakeholder Interface Map for Operators and Handlers
- Airside Occurrence Data Review Using Damage and Incursion Records
- Aerodrome Manual Airside Rules and Apron Safety Instructions Review
- Airside Safety Baseline Checklist for an Own Aerodrome

Day 2: ICAO, ACI and IATA Frameworks for Airside Safety

- ICAO Doc 9981 PANS-Aerodromes Apron Management Procedures
- ICAO Annex 19 and Doc 9859 Aerodrome SMS Components
- ICAO Doc 9870 Runway Incursion Causal Factors and Prevention
- GAPPRI and EAPPRI Recommendations for Runway Safety Teams
- ACI Apron Safety Handbook and IATA IGOM Turnaround Rules

Day 3: Apron, Vehicle and Debris Control in Daily Operations

- Airside Driving Permit Scheme Levels, Testing and Renewal
- FAA AC 150/5210-20 Vehicle Rules and Right of Way
- Aircraft Stand Safety Zones, Equipment Restraint Areas and Chocking
- FAA AC 150/5210-24 FOD Inspection Routes and Removal Records
- Jet Blast and Pushback Hazard Zone Marking and Control

Day 4: Runway Incursions, Airside Works and Adverse Conditions

- Runway Hot Spot Charting and Local Runway Safety Team Actions
- Radiotelephony Readback and Runway Entry Clearance Error Controls
- Airside Works in Progress Safety Plan and Closure Marking
- Low Visibility Procedures and Adverse Weather Apron Controls
- Bow-Tie Analysis of a Ground Collision Occurrence

Day 5: Inspection Walkthrough and the Airside Safety Improvement Plan

- Apron Stand Inspection Walkthrough Against IGOM Turnaround Rules
 - Manoeuvring Area Walkthrough for FOD and Hot Spot Hazards
 - Airside Works Site Walkthrough and Permit Conformity Check
 - ISAGO Audit Finding Grading and SMS Hazard Log Entries
 - Airside Safety Inspection and Improvement Plan Completion
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Skills You Will Gain:

- Apron Safety Supervision
- Airside Driver Standards Management
- Runway Incursion Risk Analysis
- FOD Control
- Jet Blast Hazard Control
- Airside Works Safety Planning
- Airside Safety Inspection
- Occurrence Trend Analysis

Why Attend This Course:

- Deliver an Airside Safety Inspection and Improvement Plan to the aerodrome safety manager and the airside operations lead
- Decide when an apron activity, vehicle movement or works site must be stopped, restricted or re-permitted
- Avoid aircraft damage, ground collisions and runway incursions caused by inconsistent permits, unmarked hazards and debris left on the movement area
- Equip drivers, marshallers and handling teams with the checklists, permit criteria and inspection routes used during the course

Conclusion:

Back at work, the participant gives the Airside Safety Inspection and Improvement Plan to the aerodrome safety manager, the airside operations lead and the ground handling partners operating on the apron. They use it to agree which hazards to treat first, which driving permits, stand markings and inspection routes to change, and which items go to the local runway safety team. After the first quarter of use, the unit should compare damage, FOD and incursion occurrence data with the baseline taken on the course and adjust the plan where findings recur.

Frequently Asked Questions FAQ:

What should participants know before an airside safety management course?

Participants should already work on or supervise the apron, manoeuvring area or airside operations, and know their aerodrome's layout and airside rules. Bringing an anonymised airside occurrence report or inspection record helps them apply the walkthrough exercises directly.

How does an airside safety management course differ from an airport operations management course?

This course concentrates on preventing harm airside: apron rules, driving permits, runway incursions, FOD, jet blast and works safety. Airport operations management courses address capacity, turnaround performance, collaborative decision making and terminal processing, with safety as one input among many.

Why does FOD control matter in airside safety management?

Debris on the movement area can be ingested by engines, cut tyres and strike people or aircraft, and the costs extend to delays and cancellations. FOD control combines prevention, routine inspection, prompt removal and trend analysis of what is found and where.

What do participants take back from the airside safety management course?

Participants take back an Airside Safety Inspection and Improvement Plan with inspection findings, graded hazards, runway hot spot actions, permit and FOD controls and named owners, ready to present to their aerodrome safety manager and airside partners.
