Airside Safety Management Training Course

Professional Development Training Course Outline

Category	Aviation and Airport Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Airside Safety Management Training Course is designed to enhance aviation safety culture, operational risk management, and regulatory compliance within airport environments. The course focuses on advanced airside safety systems, hazard identification, runway safety management, aircraft ground operations, and safety performance improvement. With increasing global emphasis on aviation safety standards, airports require skilled professionals who can implement effective Safety Management Systems (SMS), improve operational efficiency, and reduce airside incidents. This training integrates international aviation best practices, ICAO safety requirements, and modern risk-based approaches to create safer and more resilient airport operations.

The course provides practical knowledge and strategic tools for managing airside risks associated with aircraft movements, ground handling activities, vehicle operations, wildlife hazards, foreign object debris (FOD), and emergency response procedures. Participants will explore global aviation case studies, safety investigation techniques, human factors management, and continuous improvement strategies. By completing this training, aviation professionals will develop the competencies required to strengthen airport safety governance, enhance compliance with international standards, and promote a proactive airside safety culture.

Programme Curriculum

Airside Safety Management Training Course

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performance improvement. With increasing global emphasis on aviation safety standards, airports require skilled professionals who can implement effective Safety Management Systems (SMS), improve operational efficiency, and reduce airside incidents. This training integrates international aviation best practices, ICAO safety requirements, and modern risk-based approaches to create safer and more resilient airport operations.

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Course Objectives

By the end of this course, participants will be able to:

1. Understand advanced airside safety management principles and international aviation safety frameworks.
2. Apply Safety Management Systems (SMS) concepts within airport operational environments.
3. Identify and control airside hazards through effective risk assessment methodologies.
4. Develop proactive runway safety and aircraft movement management strategies.
5. Implement global aviation safety standards based on ICAO regulations and best practices.
6. Improve airside operational safety through data-driven decision-making and safety analytics.
7. Manage aircraft ground operations risks and improve coordination among stakeholders.
8. Apply human factors principles to reduce operational errors and safety incidents.
9. Develop effective emergency response and crisis management procedures.
10. Conduct airside safety inspections, audits, and compliance evaluations.
11. Enhance safety leadership, communication, and organizational safety culture.
12. Utilize modern technologies for airside monitoring and incident prevention.
13. Establish continuous improvement strategies for sustainable airport safety performance.

Organizational Benefits

- Improved airport safety culture and operational reliability.
- Reduced airside accidents, incidents, and operational disruptions.
- Enhanced compliance with ICAO and international aviation regulations.
- Stronger risk identification and mitigation capabilities.
- Improved coordination between airport stakeholders.
- Increased employee awareness of safety responsibilities.
- Better emergency preparedness and response performance.
- Enhanced reputation and passenger confidence.
- Improved safety auditing and reporting systems.
- Increased efficiency in airside operations management.

Target Audiences

1. Airport Safety Managers and Safety Officers.

2. Airside Operations Managers and Supervisors.
3. Airport Operations Control Centre Personnel.
4. Airline Ground Operations Managers.
5. Aircraft Ground Handling Supervisors.
6. Aviation Regulatory and Compliance Officers.
7. Airport Security and Emergency Response Teams.
8. Aviation Consultants and Safety Professionals.

Course Duration: 5 days

Course Modules

Module 1: Fundamentals of Airside Safety Management

- Understanding airside safety concepts, principles, and operational requirements.
- Exploring airport safety governance structures and international safety frameworks.
- Developing effective airside safety management policies and procedures.
- Understanding the relationship between SMS and airport operational excellence.
- Reviewing ICAO Annex 19 safety management requirements and implementation practices.
- Global case study: Analysis of Singapore Changi Airport's proactive airside safety culture.

Module 2: Safety Management Systems (SMS) Implementation

- Understanding SMS components, processes, and safety assurance mechanisms.
- Developing safety risk management frameworks for airport operations.
- Implementing safety reporting and hazard communication systems.
- Measuring safety performance indicators and operational improvements.
- Conducting SMS audits and compliance monitoring activities.
- Global case study: Heathrow Airport SMS implementation and safety monitoring practices.

Module 3: Airside Hazard Identification and Risk Assessment

- Identifying common airside hazards affecting aircraft and personnel safety.
- Applying risk assessment tools for airport operational environments.
- Developing hazard control and mitigation strategies.
- Managing risks associated with vehicles, equipment, and personnel movement.
- Implementing proactive safety observation programs.
- Global case study: Dubai International Airport airside risk management approach.

Module 4: Runway Safety Management

- Understanding runway incursions and runway excursion prevention strategies.
- Implementing runway safety team processes and procedures.

- Managing communication between pilots, controllers, and ground teams.
- Applying runway inspection and monitoring techniques.
- Developing runway safety improvement initiatives.
- Global case study: Amsterdam Schiphol Airport runway safety management system.

Module 5: Aircraft Ground Operations Safety

- Managing aircraft turnaround operations and ground handling risks.
- Understanding aircraft servicing safety requirements.
- Preventing ground collisions and equipment-related incidents.
- Improving coordination between airlines, handlers, and airport operators.
- Implementing safe aircraft parking and movement procedures.
- Global case study: Hong Kong International Airport ground safety operations.

Module 6: Foreign Object Debris (FOD) Management

- Understanding FOD risks and their impact on aircraft safety.
- Developing effective FOD prevention and control programs.
- Conducting airside inspections and FOD monitoring activities.
- Promoting employee awareness and reporting culture.
- Applying technology-based FOD detection solutions.
- Global case study: Qatar Hamad International Airport FOD management practices.

Module 7: Human Factors and Safety Culture Development

- Understanding human factors influencing airside safety performance.
- Managing fatigue, communication failures, and workplace behavior risks.
- Developing positive safety leadership practices.
- Improving teamwork and safety communication among stakeholders.
- Creating a proactive safety culture within airport organizations.
- Global case study: Southwest Airlines human factors safety initiatives.

Module 8: Emergency Response and Continuous Safety Improvement

- Developing effective airside emergency response and crisis management plans.
- Managing aircraft incidents, accidents, and operational disruptions.
- Conducting emergency exercises and response evaluations.
- Applying safety investigation and corrective action processes.
- Developing continuous improvement strategies using safety data analytics.
- Global case study: Munich Airport emergency preparedness and safety improvement programs.

Training Methodology

- Interactive instructor-led classroom sessions focusing on practical aviation safety applications.
- Case study analysis from leading international airports and aviation organizations.
- Group discussions and problem-solving exercises based on real airside scenarios.
- Practical workshops covering hazard identification, risk assessment, and safety auditing.
- Simulation exercises for emergency response and incident management.
- Safety management tools, templates, and operational checklists.
- Participant presentations and experience-sharing sessions.
- Continuous assessment through activities, discussions, and practical evaluations.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.
f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

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