Airport Perimeter Protection 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

Airport Perimeter Protection is a critical component of modern aviation security, safeguarding airports against unauthorized access, terrorism, smuggling, wildlife intrusion, cyber-physical threats, and criminal activities. As global aviation continues to expand, airports require integrated perimeter security systems that combine advanced surveillance technologies, artificial intelligence, smart sensors, biometric access control, drone detection, command-and-control platforms, risk intelligence, and real-time incident response. Airport Perimeter Protection Training Course equips participants with practical knowledge of international airport security standards, threat detection, perimeter vulnerability assessments, regulatory compliance, security operations, and integrated protection strategies aligned with ICAO Annex 17 and global aviation security best practices.

The course emphasizes proactive security management through technology-driven monitoring, security risk assessment, access control optimization, emergency preparedness, perimeter intrusion detection systems, collaborative law enforcement coordination, and operational resilience. Participants will explore innovative security solutions, global case studies, security planning frameworks, cybersecurity integration, and continuous improvement strategies that strengthen airport perimeter protection while ensuring safe, secure, and uninterrupted airport operations.

Programme Curriculum

Airport Perimeter Protection Training Course

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Course Objectives

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

1. Understand modern airport perimeter protection principles.
2. Apply ICAO aviation security standards effectively.
3. Conduct comprehensive perimeter security risk assessments.
4. Strengthen access control and identity management systems.
5. Implement advanced surveillance and intrusion detection technologies.
6. Improve emergency preparedness and incident response capabilities.
7. Integrate cybersecurity into physical security operations.
8. Detect and respond to drone-related security threats.
9. Enhance intelligence-led airport security operations.
10. Improve coordination with aviation security stakeholders.
11. Develop resilient airport perimeter protection strategies.
12. Evaluate emerging security technologies and innovations.
13. Strengthen operational continuity through proactive security planning.

Organizational Benefits

- Improved airport security resilience.
- Reduced perimeter security vulnerabilities.
- Enhanced regulatory compliance.
- Faster incident detection and response.
- Increased operational efficiency.
- Better inter-agency coordination.
- Improved passenger confidence.
- Stronger cyber-physical security integration.
- Reduced security risks and losses.
- Sustainable aviation security management.

Target Audiences

- Airport Security Managers

- Aviation Security Officers
- Airport Operations Managers
- Civil Aviation Authority Personnel
- Law Enforcement Officers
- Airport Emergency Response Teams
- Security Technology Specialists
- Airport Safety and Risk Management Professionals

Course Duration: 5 days

Course Modules

Module 1: Airport Perimeter Security Fundamentals

- Principles of airport perimeter protection.
- ICAO Annex 17 security requirements.
- Airport security governance frameworks.
- Perimeter threat identification.
- Security risk management concepts.
- Case Study: Heathrow Airport integrated perimeter security modernization.

Module 2: Perimeter Risk Assessment and Vulnerability Analysis

- Conducting perimeter risk assessments.
- Security vulnerability identification.
- Critical asset protection planning.
- Threat intelligence integration.
- Risk mitigation strategies.
- Case Study: Changi Airport security risk management program.

Module 3: Access Control and Physical Security Systems

- Biometric access control technologies.
- Vehicle and pedestrian screening.
- Smart fencing technologies.
- Identity verification systems.
- Visitor management procedures.
- Case Study: Dubai International Airport access control enhancement.

Module 4: Surveillance and Intrusion Detection Technologies

- Intelligent CCTV surveillance.
- Perimeter intrusion detection systems.

- Thermal imaging applications.
- Artificial intelligence in surveillance.
- Integrated security command centers.
- Case Study: Hamad International Airport smart surveillance deployment.

Module 5: Drone Detection and Emerging Security Threats

- Counter-drone technologies.
- Drone risk assessment.
- Cyber-physical security integration.
- Emerging aviation security threats.
- Security technology innovations.
- Case Study: Gatwick Airport drone disruption response.

Module 6: Incident Response and Emergency Preparedness

- Security incident management.
- Emergency response coordination.
- Crisis communication planning.
- Security exercises and simulations.
- Business continuity planning.
- Case Study: Los Angeles International Airport emergency security coordination.

Module 7: Cybersecurity and Integrated Security Management

- Cybersecurity fundamentals for airports.
- Protecting connected security systems.
- Security information management.
- Data protection strategies.
- Integrated command-and-control operations.
- Case Study: Singapore Changi Airport cyber resilience initiatives.

Module 8: Future Trends and Security Best Practices

- Smart airport security technologies.
- Artificial intelligence applications.
- Predictive security analytics.
- International regulatory developments.
- Continuous security improvement.
- Case Study: Incheon International Airport innovation in perimeter protection.

Training Methodology

- Interactive lectures and expert facilitation.
- Practical demonstrations of security technologies.
- Group discussions and collaborative learning.
- Airport perimeter security simulations.
- Risk assessment workshops.
- Case study analysis.
- Scenario-based emergency response exercises.
- Technology demonstrations.
- Knowledge assessments and feedback sessions.
- Action planning for workplace implementation.

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

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