Air Freight Security 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

Air Freight Security Training Course is designed to strengthen global air cargo security, aviation risk management, supply chain protection, and regulatory compliance capabilities. With the rapid growth of international trade, e-commerce logistics, and cross-border air cargo operations, organizations require skilled professionals who understand advanced security screening, cargo protection procedures, threat detection, and aviation security standards. This course focuses on developing expertise in air freight security management, ICAO security frameworks, IATA cargo security requirements, dangerous goods awareness, and modern technologies used to safeguard global air transportation networks.

The course provides practical knowledge and strategic approaches for managing security risks across the entire air freight supply chain. Participants will explore cargo vulnerability assessments, security audits, access control systems, insider threat prevention, incident response, and emerging aviation security challenges. Through international case studies and industry best practices, learners will gain the ability to implement effective air cargo security programs that enhance operational resilience, regulatory compliance, and customer confidence in a rapidly evolving aviation environment.

Programme Curriculum

Air Freight Security Training Course

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Course Objectives

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

1. Understand global air freight security principles, standards, and regulatory frameworks.
2. Develop advanced cargo security management strategies for aviation supply chains.
3. Apply ICAO Annex 17 and IATA security requirements in air cargo operations.
4. Identify emerging security threats affecting international air freight networks.
5. Implement effective cargo screening and inspection procedures.
6. Conduct air cargo security risk assessments and vulnerability analysis.
7. Strengthen supply chain security through technology-driven solutions.
8. Improve compliance with international aviation security regulations.
9. Manage security incidents, emergency responses, and crisis communication.
10. Develop insider threat prevention and employee security awareness programs.
11. Enhance collaboration between airlines, airports, regulators, and logistics providers.
12. Apply modern security technologies including AI, biometrics, and tracking systems.
13. Build resilient and sustainable air freight security management systems.

Organizational Benefits

- Improved compliance with international air cargo security regulations.
- Reduced risks associated with cargo theft, tampering, and terrorism threats.
- Enhanced supply chain resilience and operational continuity.
- Stronger security culture among employees and stakeholders.
- Improved customer trust and airline cargo reputation.
- Better preparedness for security incidents and emergencies.
- Increased efficiency in cargo screening and handling processes.
- Enhanced coordination between aviation security partners.
- Improved adoption of advanced security technologies.
- Stronger competitive advantage in global logistics markets.

Target Audiences

1. Airport security managers and aviation security professionals.
2. Airline cargo managers and freight operations teams.
3. Freight forwarders and logistics professionals.
4. Cargo terminal operators and warehouse supervisors.

5. Government aviation security regulators.
6. Supply chain risk management professionals.
7. Customs and border protection officers.
8. Aviation consultants and security auditors.

Course Duration: 5 days

Course Modules

Module 1: Fundamentals of Air Freight Security Management

- Overview of global air cargo security principles and operational frameworks.
- Understanding aviation security threats, risks, and vulnerabilities.
- Roles of airlines, airports, freight companies, and regulators.
- Security culture development within air cargo organizations.
- Global case study: Security management practices at Singapore Changi Airport.
- Application of international air freight security best practices.

Module 2: International Regulations and Compliance Standards

- Understanding ICAO Annex 17 aviation security requirements.
- Overview of IATA cargo security standards and procedures.
- National aviation security regulations and compliance obligations.
- Security documentation, reporting, and audit requirements.
- Global case study: European Union air cargo security compliance programs.
- Implementing regulatory alignment across cargo operations.

Module 3: Air Cargo Risk Assessment and Threat Management

- Identifying security threats across air freight supply chains.
- Conducting cargo vulnerability assessments and risk analysis.
- Developing risk mitigation and prevention strategies.
- Managing terrorism, theft, and unauthorized access risks.
- Global case study: United States TSA air cargo security initiatives.
- Creating proactive security risk management systems.

Module 4: Cargo Screening and Inspection Technologies

- Introduction to modern cargo screening methodologies.
- X-ray screening, explosive detection, and inspection technologies.
- Manual inspection procedures and security verification.
- Artificial intelligence applications in cargo security.
- Global case study: Dubai International Airport cargo screening operations.

- Improving screening accuracy and operational efficiency.

Module 5: Supply Chain Security and Cargo Protection

- Securing cargo movement from origin to destination.
- Managing secure warehouses and cargo handling facilities.
- Preventing cargo tampering and unauthorized manipulation.
- Implementing tracking and monitoring technologies.
- Global case study: FedEx global air cargo security systems.
- Building secure and transparent logistics networks.

Module 6: Security Operations, Emergency Response, and Crisis Management

- Developing air cargo security emergency response plans.
- Managing security incidents and operational disruptions.
- Communication strategies during aviation security events.
- Coordination with law enforcement and emergency agencies.
- Global case study: Heathrow Airport security incident management.
- Strengthening organizational crisis preparedness.

Module 7: Insider Threat Prevention and Security Awareness

- Understanding insider threats in aviation environments.
- Employee screening, training, and access management.
- Developing security awareness programs.
- Monitoring suspicious behaviors and security violations.
- Global case study: International airport insider threat prevention programs.
- Creating a strong aviation security culture.

Module 8: Future Trends in Air Freight Security

- Exploring emerging technologies in aviation security.
- Artificial intelligence, automation, and cybersecurity integration.
- Digital transformation of air cargo security systems.
- Sustainable and resilient aviation security practices.
- Global case study: Smart cargo security solutions at major international airports.
- Preparing organizations for future security challenges.

Training Methodology

- Interactive instructor-led presentations covering global air freight security concepts.

- Practical exercises involving cargo risk assessment and security planning.
- International case studies from leading airports and logistics organizations.
- Group discussions focused on aviation security challenges and solutions.
- Simulation exercises for emergency response and incident management.
- Workshops on compliance auditing and security improvement strategies.
- Technology demonstrations covering modern cargo security systems.
- Knowledge assessments and practical evaluation sessions.

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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