Dangerous Goods Handling 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

Dangerous Goods Handling Training Course is designed to develop advanced competencies in the identification, classification, packaging, documentation, storage, transportation, and emergency response management of hazardous materials. With increasing global trade, e-commerce growth, and strict international safety regulations, organizations require professionals who understand dangerous goods compliance, risk management, operational safety, and regulatory frameworks established by international aviation and transport authorities.

This course focuses on global best practices in dangerous goods management, including International Air Transport Association (IATA) Dangerous Goods Regulations (DGR), International Civil Aviation Organization (ICAO) standards, workplace safety procedures, and environmental protection requirements. Participants will gain practical knowledge to minimize operational risks, prevent incidents, improve compliance performance, and enhance safety culture across aviation, freight forwarding, manufacturing, healthcare, and logistics industries.

Programme Curriculum

Dangerous Goods Handling Training Course

Introduction

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Course Objectives

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

1. Understand international dangerous goods regulations, compliance standards, and safety requirements.
2. Apply advanced classification techniques for hazardous materials and dangerous substances.
3. Develop effective dangerous goods packaging, labeling, and marking procedures.
4. Implement risk assessment strategies for hazardous materials handling operations.
5. Improve dangerous goods documentation accuracy and regulatory compliance.
6. Manage safe storage and transportation of dangerous goods.
7. Apply emergency response procedures for dangerous goods incidents.
8. Enhance workplace safety culture through hazardous materials management.
9. Understand aviation dangerous goods security requirements and controls.
10. Conduct compliance audits and dangerous goods inspections.
11. Apply sustainable practices in hazardous materials transportation and disposal.
12. Improve operational efficiency through effective dangerous goods management systems.
13. Develop professional expertise aligned with global dangerous goods handling practices.

Organizational Benefits

- Improved regulatory compliance and reduced penalties.
- Enhanced workplace health and safety performance.
- Reduced risks associated with hazardous materials incidents.
- Improved employee competency and operational confidence.
- Stronger emergency preparedness and crisis management.
- Better documentation accuracy and reporting systems.
- Increased efficiency in logistics and transportation operations.
- Improved organizational safety culture.
- Reduced environmental risks from dangerous goods handling.
- Enhanced reputation through international safety compliance.

Target Audiences

1. Airline cargo professionals and aviation operations teams.
2. Freight forwarders and logistics specialists.
3. Airport ground handling personnel.
4. Warehouse and distribution managers.
5. Safety officers and compliance professionals.
6. Shipping and transportation professionals.

7. Manufacturing and chemical industry employees.
8. Government regulators and inspection officers.

Course Duration: 5 days

Course Modules

Module 1: Fundamentals of Dangerous Goods Management

- Introduction to dangerous goods categories, hazards, and global safety principles.
- Understanding regulatory frameworks including IATA DGR and ICAO standards.
- Roles and responsibilities of dangerous goods stakeholders.
- Risk identification and hazard communication methods.
- Developing a dangerous goods safety management culture.
- Case Study: Aviation dangerous goods compliance practices at major international airports.

Module 2: Dangerous Goods Classification and Identification

- Understanding the nine classes of dangerous goods.
- Classification methods for chemicals, batteries, gases, and hazardous materials.
- Identifying dangerous goods using UN numbers and proper shipping names.
- Applying hazard labels, marks, and identification systems.
- Managing classification challenges in international transportation.
- Case Study: Lithium battery classification challenges in global air cargo operations.

Module 3: Dangerous Goods Packaging and Labeling Requirements

- Understanding approved dangerous goods packaging standards.
- Applying packaging instructions and performance requirements.
- Managing labeling, marking, and documentation procedures.
- Preventing packaging failures during transportation.
- Selecting suitable containment methods for hazardous materials.
- Case Study: Pharmaceutical dangerous goods packaging compliance in global supply chains.

Module 4: Documentation and Compliance Management

- Preparing dangerous goods declarations and shipping documents.
- Managing regulatory records and compliance reports.
- Understanding shipment acceptance procedures.
- Improving documentation accuracy and verification processes.
- Conducting dangerous goods compliance reviews.
- Case Study: International freight company documentation improvement program.

Module 5: Storage, Transportation, and Handling Procedures

- Implementing safe dangerous goods storage practices.
- Managing loading, unloading, and transfer operations.
- Applying transportation safety controls.
- Preventing contamination, exposure, and operational incidents.
- Improving warehouse hazardous materials management.
- Case Study: Global logistics company hazardous cargo handling system.

Module 6: Emergency Response and Incident Management

- Developing emergency response plans for dangerous goods incidents.
- Applying spill control and containment procedures.
- Managing fire, explosion, and exposure risks.
- Coordinating emergency communication and reporting.
- Conducting incident investigations and corrective actions.
- Case Study: Airport emergency response management during hazardous material incidents.

Module 7: Dangerous Goods Security and Risk Management

- Understanding security threats involving dangerous goods.
- Implementing access control and monitoring procedures.
- Conducting dangerous goods risk assessments.
- Developing preventive safety strategies.
- Improving security awareness among employees.
- Case Study: International airport cargo security enhancement program.

Module 8: Auditing, Sustainability, and Continuous Improvement

- Conducting dangerous goods safety audits and inspections.
- Measuring compliance performance using safety indicators.
- Implementing continuous improvement programs.
- Applying environmentally responsible hazardous materials practices.
- Developing future-ready dangerous goods management systems.
- Case Study: Sustainable dangerous goods transportation initiatives in global logistics networks.

Training Methodology

- Interactive instructor-led classroom sessions covering international dangerous goods standards.
- Practical exercises involving classification, packaging, labeling, and documentation procedures.
- Real-world case studies from aviation, logistics, and industrial sectors.

- Group discussions focused on operational challenges and safety improvements.
- Simulation exercises for emergency response and incident management.
- Compliance workshops based on IATA and ICAO regulatory requirements.
- Practical assessments to evaluate participant understanding and application skills.

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
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
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:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com