Advanced Dangerous Goods Regulations for Cargo Operations Training Course

14 - 18 Dec 2026

Munich

5100 € (Per Person)

Ref: #AVI4267_80190

Course Introduction / Overview:

The global supply chain is the backbone of modern commerce, but its efficiency and safety hinge on the meticulous management of hazardous materials. This course provides a comprehensive exploration of Dangerous Goods Regulations (DGR), a critical competency for any professional involved in cargo and logistics. Moving beyond simple rule memorization, this program delves into the philosophy and practical application of international and national transport regulations. As detailed by authors like Alan McKinnon in works such as "The Globalisation of Logistics", the complexity of moving goods across borders necessitates a deep, harmonized understanding of risk. This training, offered by BIG BEN Training Center, is designed to equip participants with the essential knowledge to handle, document, and transport dangerous goods safely and in full compliance with standards set by bodies like IATA, IMO, and ADR. We will navigate the intricacies of classification, packing, labeling, and documentation, ensuring that participants can confidently manage the risks associated with hazardous materials, thereby protecting people, property, and the environment while preventing costly delays and penalties.

Target Audience / This training course is suitable for:

- Freight Forwarding Agents.
- Cargo Operations Managers.
- Logistics and Supply Chain Professionals.
- Warehouse and Ground Handling Staff.
- Shippers and Packers of Hazardous Materials.
- Airline and Shipping Line Cargo Acceptance Staff.
- Regulatory Compliance Officers.
- Health, Safety, and Environment (HSE) Managers.
- Purchasing and Procurement Staff dealing with regulated goods.

Target Sectors and Industries:

- Logistics and Transportation.
- Aviation and Air Cargo.
- Maritime and Sea Freight.
- Road and Rail Haulage.
- Chemical Manufacturing and Distribution.
- Oil and Gas Industry.
- Pharmaceutical and Healthcare Sector.
- Automotive and Electronics Manufacturing.
- Governmental bodies including Civil Aviation Authorities and Customs.

Target Organizations Departments:

- Logistics and Supply Chain Management.
- Operations and Freight Handling.
- Warehouse and Distribution Centers.
- Compliance and Regulatory Affairs.
- Health, Safety, and Environment (HSE).
- Procurement and Sourcing.
- Export and Import Departments.
- Quality Assurance and Control.

Course Offerings:

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

- Correctly identify and classify dangerous goods according to the nine hazard classes.
- Interpret and apply the provisions of the applicable dangerous goods regulations.
- Select appropriate packaging and apply correct marking and labeling.
- Accurately complete the Shipper's Declaration for Dangerous Goods and other transport documents.
- Understand the legal responsibilities of shippers, forwarders, and carriers.
- Implement correct procedures for segregation and stowage of incompatible goods.
- Recognize and manage undeclared or hidden dangerous goods in cargo.
- Develop and apply emergency response procedures for incidents involving dangerous goods.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be immersive, practical, and highly interactive to ensure deep comprehension and retention of critical DGR knowledge. We move beyond traditional lecture-based formats to a participant-centered learning environment. The course heavily utilizes real-world case studies of shipping incidents to illustrate the severe consequences of non-compliance and the importance of every regulatory step. Interactive workshops and group exercises will challenge participants to work collaboratively on practical tasks such as classifying substances, selecting packaging, and completing complex shipping documents. Practical sessions will provide hands-on experience with marking and labeling various package types. Our expert instructors facilitate dynamic discussions, encouraging participants to share their professional experiences and challenges. Continuous feedback is provided throughout the course, culminating in practical assessments that simulate real job-related scenarios, ensuring participants leave with the confidence and competence to apply their new skills immediately in their operational roles.

Course Agenda (Course Units):

Unit One: Foundations of Dangerous Goods Regulations

- Introduction to Dangerous Goods.
- Philosophy and principles behind DGR.
- Legal framework and shipper's responsibilities.
- Overview of key regulatory bodies (IATA, IMO, ADR).
- Structure and navigation of the DGR manuals.
- Applicability and limitations.
- Training requirements for personnel.

Unit Two: Classification and Identification of Dangerous Goods

- The nine hazard classes explained in detail.
- Packing groups and their significance.
- Proper Shipping Names (PSN) and UN numbers.
- Using the Dangerous Goods List to identify requirements.
- Mixtures and solutions.
- Understanding special provisions.
- Identifying hidden and undeclared dangerous goods.

Unit Three: Packaging, Marking, and Labeling

- General packing requirements and principles.
- UN specification packaging and performance tests.
- Selecting and using single, combination, and overpack packaging.
- Correct application of hazard and handling labels.
- Marking requirements for packages.
- Limited and Excepted Quantity provisions.
- Specialized packaging for radioactive and infectious substances.

Unit Four: Documentation and Declaration

- The Shipper's Declaration for Dangerous Goods (DGD).
- Completing the DGD for air, sea, and road transport.
- Air Waybill (AWB) and other transport document requirements.
- Consignor's and carrier's responsibilities in documentation.
- Procedures for amendments and corrections.
- Record-keeping requirements.
- Interfacing with customs and regulatory authorities.

Unit Five: Handling, Loading, and Emergency Response

- Acceptance procedures and checklists for carriers.
- Segregation of incompatible dangerous goods.
- Loading, stowing, and securing procedures.
- Handling radioactive materials and other high-risk goods.
- Emergency response procedures for spills, leaks, and damage.
- Using the Emergency Response Guidebook (ERG).
- Reporting incidents and security provisions.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

Considering the rapid growth of e-commerce and the global shipment of consumer products containing lithium batteries, how must international regulations evolve to ensure public safety without stifling technological and economic progress?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself through a holistic, multi-modal approach, ensuring participants are not just trained for a single mode of transport but understand the integrated nature of the global supply chain. While many courses focus narrowly on-air cargo (IATA), our curriculum provides a robust understanding of the interplay between air (IATA), sea (IMDG), and road (ADR) regulations, reflecting the reality of modern logistics. The pedagogical foundation of the program is built on a problem-based learning model, using meticulously researched case studies of real-world incidents to contextualize the regulations. This method transforms abstract rules into tangible lessons on safety, finance, and corporate reputation. Furthermore, the course content is forward-looking, addressing emerging challenges such as the transport of lithium batteries, new chemical classifications, and the impact of digitalization on documentation. Participants gain not just compliance knowledge, but a strategic understanding of risk management within their cargo operations, making them invaluable assets to their organizations.