

# DANGEROUS GOODS

## PILOT SPECIALTY COURSE SERIES

### SUMMARY

**Provides a complete overview of Dangerous Goods practices and procedures, including definitions, limitations, classification, identification and use of tables, and labelling and marking. Special emphasis is provided on undeclared or hidden items, storage and loading procedures, pilots' notification and provisions for passengers and crew. The course is based on the 57th Edition of the IATA Dangerous Goods Handbook. The included lessons meet the training requirements of the ICAO Technical Instructions and the IATA Dangerous Goods Regulations (DGR).**



### TARGET POPULATION

**Employees involved in the daily operations of aircraft involved in the transportation of dangerous goods.**

Great for airline pilots and schedulers & dispatchers requiring initial or recurrent training.



### REGULATORY COMPLIANCE\*

- ICAO / EASA / FAA / Transport Canada
- Based on IATA DGR Handbook 57th Edition valid January 1 - December 31, 2016.



### DELIVERY MODE

100% online, self-guided



### COURSE LENGTH

2 hours, 30 minutes

### **LESSON 1:** Definitions / General Principles

- Definition of dangerous goods
- Classification of dangerous goods
- IATA Dangerous Goods Regulations (DGR)
- Applicability
- Exemptions
- Exceptions
- Shippers' and operators' responsibilities
- Training requirements
- Acceptability
- IATA guidance material

### **LESSON 2:** Limitation and Classification

- Limitations
- Limitation groups
- Acceptable dangerous goods
- Forbidden dangerous goods
- Hidden dangerous goods
- Dangerous goods carried by passengers or crew
- Transport of dangerous goods by mail
- Dangerous goods in operator's property
- Dangerous goods in excepted quantities
- State and operator variations
- Classification of dangerous goods

### **LESSON 3:** Identification of Dangerous Goods

- Dangerous goods identification and table selection
- Generic and N.O.S. Items
- UN identification number
- Proper shipping names
- Class and Division
- Packing groups
- Excepted and limited quantities
- Packing instructions
- Maximum quantities
- Cargo-only aircraft
- Special provisions
- Emergency and drill codes

### **LESSON 4:** Labeling and Marking

- Hazard and handling labels
- Dangerous cargo identification
- Class and Division hazard labels
- Secondary hazard labels
- Orientation labels
- Magnetized material
- Cryogenic labels
- Cargo Aircraft Only labels
- Keep away from heat labels
- Wheelchair and mobility device labels
- Packaging specification
- Over packs

### **LESSON 5:** Undeclared Dangerous Goods

- Definition of hidden or undeclared dangerous goods
- Hazards and incidents associated with hidden or undeclared dangerous goods
- Cargo acceptance staff responsibilities
- Examples of shipments which may contain hidden or undeclared dangerous goods
- Passenger check-in staff responsibilities
- Permitted items
- Hidden or undeclared dangerous goods in passenger baggage
- Reporting of hidden or undeclared dangerous goods

### **LESSON 6:** Storage, Handling and Loading

- Damage prevention and package inspection
- Physical separation of dangerous goods packages
- Replacement labels
- Unit Load Devices (ULDs)
- Toxic and infectious substances
- Special procedures for radioactive materials
- Leaking and damaged packages
- Carriage of dry Ice
- Guidance in Aircraft Operations Manuals (AOMs)
- Expandable polymeric beads
- Oxidizing and self-reactive substances

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### LESSON 7: Pilot's Notification

- Provisions of the IATA Dangerous Goods Regulations (DGR)
- Special Load Notification (NOTOC) procedures
- Detailed, line-by-line NOTOC explanation
- NOTOC distribution and retention

### LESSON 8: Provisions for Passengers and Crew

- Restrictions imposed upon dangerous goods carried by passengers or crew
- Categorization of dangerous goods carried by passengers or crew
- Dangerous goods information and warning notices
- Passenger check-in staff responsibilities
- Forbidden items
- Checked and carry-on baggage limitations and restrictions
- Wheelchairs and mobility devices

### LESSON 9: Emergency Procedures

- ICAO Emergency Response Guide (ERG)
- Definition of a dangerous goods accident or incident
- Emergency checklist handling
- Example – cargo fire
- Use of the ICAO Emergency Response Guide
- Requirement to notify Air Traffic Control (ATC)
- After-landing procedures, reporting and responsibilities
- Extinguishing lithium battery fires

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Operator remains responsible for obtaining approval from the regulatory authority.

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