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## Objectives

- **Determine the DG training requirements for shippers and operators**

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## Establishing a Training Program

- [1:4.1.1](#) Initial and recurrent DG training must be established and maintained by or on behalf of shippers, operators, and various agencies involved in passenger and cargo operations
- [7:4.9](#) Operator is responsible for employee DG training and the DG training of agencies acting on its behalf (contractors).

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## Training Program Approval

- [1; 4.1.2](#) The State (Country) of the Operator approves the training program of the air operator.



The State does not have to “approve” shipper training programs.

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## Training Curricula

- [1; 4.2.1](#) Training must be commensurate with an employee’s responsibilities and must include:
  - General Familiarization
  - Function-Specific
  - Safety



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### Table 1-4

... Table 1-4. Content of training courses

Aspects of transport of dangerous goods by air with which they should be familiar, as a minimum	Shippers and packers				Freight forwarders							Operators and ground handling agents				Security screeners			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
General philosophy	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Limitations	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
General requirements for shippers	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Classification	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
List of dangerous goods	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Packing requirements	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Labelling and marking	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Dangerous goods transport documents and other relevant documentation	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Acceptance procedures	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Recognition of undeclared dangerous goods	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Storage and loading procedures	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Pilots' notification	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Provisions for passengers and crew	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Emergency procedures	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

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## Table 1-4

**KEY**

- 1 — Shippers and persons undertaking the responsibilities of shippers
- 2 — Packers
- 3 — Staff of freight forwarders involved in processing dangerous goods
- 4 — Staff of freight forwarders involved in processing cargo (other than dangerous goods)
- 5 — Staff of freight forwarders involved in the handling, storage and loading of cargo
- 6 — Operator's and ground handling agent's staff accepting dangerous goods
- 7 — Operator's and ground handling agent's staff accepting cargo (other than dangerous goods)
- 8 — Operator's and ground handling agent's staff responsible for the handling, storage and loading of cargo and baggage
- 9 — Passenger-handling staff
- 10 — Flight crew members and load planners
- 11 — Crew members (other than flight crew members)
- 12 — Security staff who deal with the screening of passengers and their baggage and cargo

... *Note 1. — Depending on the responsibilities of the person, the aspects of training to be covered may vary from those shown in the table.*

+ *Note 2. — The categories of personnel identified in Table 1-4 are not all encompassing. Personnel employed by or interacting with the aviation industry in areas such as passenger and cargo reservation centres, and engineering and maintenance, except when acting in a capacity identified in Table 1-4, should be provided with dangerous goods training in accordance with 4.2.*

## Table 1-4

... Table 1-4. Content of training courses

Aspects of transport of dangerous goods by air with which they should be familiar, as a minimum	Shippers and packers					Operator and ground handling agents					Security screeners	
	1	2	3	4	5	6	7	8	9	10	11	12
General philosophy	x	x	x	x	x	x	x	x	x	x	x	x
Limitations	x	x	x	x	x	x	x	x	x	x	x	x
General requirements for shippers	x	x	x	x	x							
Classification	x	x	x	x	x							
List of dangerous goods	x	x	x	x	x							
Packing requirements	x	x	x	x	x							
Labelling and marking	x	x	x	x	x	x	x	x	x	x	x	x
Dangerous goods transport document and other relevant documentation	x	x	x	x	x							
Acceptance procedures						x						
Recognition of undeclared dangerous goods	x	x	x	x	x	x	x	x	x	x	x	x
Storage and loading procedures						x	x	x	x			
Pilot's notification						x	x	x				
Provisions for passengers and crew	x	x	x	x	x	x	x	x	x	x	x	x
Emergency procedures	x	x	x	x	x	x	x	x	x	x	x	x

**Shippers and persons undertaking the responsibilities of shippers**

## Table 1-4

... Table 1-4. Content of training courses

Aspects of transport of dangerous goods by air with which they should be familiar, as a minimum	Shippers and packers					Operator and ground handling agents					Security screeners	
	1	2	3	4	5	6	7	8	9	10	11	12
General philosophy	x	x	x	x	x	x	x	x	x	x	x	x
Limitations	x	x	x	x	x	x	x	x	x	x	x	x
General requirements for shippers	x	x	x	x	x							
Classification	x	x	x	x	x							
List of dangerous goods	x	x	x	x	x							
Packing requirements	x	x	x	x	x							
Labelling and marking	x	x	x	x	x	x	x	x	x	x	x	x
Dangerous goods transport document and other relevant documentation	x	x	x	x	x							
Acceptance procedures						x						
Recognition of undeclared dangerous goods	x	x	x	x	x	x	x	x	x	x	x	x
Storage and loading procedures						x	x	x	x			
Pilot's notification						x	x	x				
Provisions for passengers and crew	x	x	x	x	x	x	x	x	x	x	x	x
Emergency procedures	x	x	x	x	x	x	x	x	x	x	x	x

**Freight Forwarders**





## Training, Testing, Certifying

- [1; 4.2.2 & 4.2.3](#) Training must be provided or verified upon employment. Recurrent training is required every 2 years.



- [1; 4.2.4](#) – A test to verify understanding must be undertaken. Confirmation a test has been completed satisfactorily is required.



ICAO TI 1; Chap 4

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## Training Records



- [1; 4.2.5](#) – A training record must include:
  - Individuals' name
  - Most recent training date
  - Description, copy, or reference to training materials
  - Name & address of organization providing training
  - Evidence showing that test was completed satisfactorily

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## Lesson Review



After completion of this lesson you should be able to:

- Determine the DG training requirements for shippers and operators

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