



# DANGEROUS GOODS (DG)

## E-LEARNING

### INTRODUCTION

We are pleased to announce that we now offer Dangerous Goods (DG) training services. Most of the DG training courses offered by our competitors are generic and not tailored to the specific customer groups. With the training services we now offer we aim for:

- Each course is tailored for the group of trainees from the customer organization;
- Sharing of expertise which is not only understood but also can be put into practice and applied by the attendees;
- Offering knowledge sharing through an unique combination of:
  - e-learning courses,
  - virtual classroom and/or
  - 'normal' classroom sessions;
- Our courses are developed in accordance with the new ICAO training philosophy and as such already complies with foreseen ICAO amendments.
- This level of tailoring we will offer, will also prepare the customer organization to the new foreseen ICAO provisions regarding DG training. These ICAO provisions will be based on a Competency Based Approach and consequently will require a high level of customisation.

These training services are offered through a partnership of a subject matter DG expert, HACE (<https://hace.aero>) and Ciconia Aviation ([www.ciconia-aviation.com](http://www.ciconia-aviation.com))

### TRAINING

EU and international legislation indicates that all staff directly or indirectly involved in the transport of goods classed as dangerous by air, road, sea, rail, or inland waterway, must receive training appropriate to their job. The scope and content of this training is defined in the applicable regulations.

Regarding the transport by air, the legal requirement is defined ICAO (International Civil Aviation Organisation) Annex 18 and the associated Technical Instructions (TI) for The Safe Carriage of Dangerous Goods by Air (ICAO Doc 9284). The Technical Instructions should be incorporated in the national aviation regulations of the ICAO Contracting States. In the Technical Instructions staff are divided into categories according to the training required appropriate to each category (please see Appendix 1 – Minimum Training Requirements).

### PRODUCT

To provide evidence of our capabilities we have developed a first e-learning training module 'General Philosophy on the carriage of Dangerous Goods'. As you may witness the training contains many relevant examples, pictures and graphs and a knowledge test. It serves as an example of other DG e-learning modules that are under development.

You can access the e-learning demo module via the following link: <https://www.hace-online.com/012019/Module%201/multiscreen.html>

### SERVICE PORTFOLIO

These E-learning training courses can be offered as 'stand-alone' or in combination with virtual classroom and/or 'normal' classroom sessions. Ciconia/HACE offer many years of experience with aviation regulations training. The 'normal' classroom sessions are offered from our training facilities in the Netherlands or can be organised at any customer requested location.

### FOR WHOM

The training services we offer, related to Dangerous Goods, are specifically intended for airlines, National Aviation Authorities (NAAs), AMOs/MROs, lessors, A/C disassembly companies/parts suppliers and training institutes/Part-147s. Based upon the input received from the customer, the courses will be tailored to the specifics of the organization and the aviation business they operate in.

### YOUR REACTION

We are interested to hear from you how our new training service offering can meet the Dangerous Goods training needs of your staff. Based upon the details of your needs (which modules do you need, what is the function of the attendees, what is the optimum combination of e-learning/virtual classroom/actual classroom), we will be able to make you a final proposal addressing fees and lead-time.

We are looking forward to hear from you:

**Wim Ovaa**  
Director Ciconia Aviation Services  
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## APPENDIX 1 – MINIMUM TRAINING REQUIREMENTS

The subject matter relating to Dangerous Goods transport with which various categories of personnel should be familiar is indicated in the following table, which you will find in the Technical Instructions (Tis), the IATA Dangerous Goods Regulations (DGR), and national aviation legislation. It lists staff by category and then indicates what training they need.

**TABLE 1**

*Minimum Training Requirements*

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
General philosophy	•	•	•	•	•	•	•	•	•	•	•	•
Limitations	•		•	•	•	•	•	•	•	•	•	•
General requirements for shippers	•		•			•						
Classification	•	•	•			•						•
List of dangerous goods	•	•	•			•				•		
General packing requirements	•	•	•			•						
Packing instructions	•	•	•			•						
Labelling and marking	•	•	•	•	•	•	•	•	•	•	•	•
Shipper's Declaration and other relevant documentation	•		•	•		•	•					
Acceptance procedures						•						
Recognition of Undeclared Dangerous Goods	•	•	•	•	•	•	•	•	•	•	•	•
Storage and loading procedures					•	•		•		•		
Pilots' notification						•		•		•		
Provisions for passengers and crew	•	•	•	•	•	•	•	•	•	•	•	•
Emergency procedures	•	•	•	•	•	•	•	•	•	•	•	•

**KEY**

- Shippers and persons undertaking the responsibilities of shippers', including operator's staff acting as shippers, operator's staff preparing dangerous goods as Company Materials (COMAT)
- Packers
- Staff of freight forwarders involved in processing dangerous goods
- Staff of freight forwarders involved in processing cargo, mail or stores (other than dangerous goods)
- Staff of freight forwarders involved in the handling, storage and loading of cargo, mail or stores
- Operator's and ground handling agent's staff accepting dangerous goods
- Operator's and ground handling agent's staff accepting cargo, mail or stores (other than dangerous goods)
- Operator's and ground handling agent's staff involved in the handling, storage and loading of cargo, mail or stores and baggage
- Passenger handling staff
- Flight crew members and load planners
- Crew members (other than flight crew members)
- Security staff who deal with the screening of passengers and their baggage and cargo, mail or stores, e.g. security screeners, their supervisors and staff involved in implementing security procedures.

**TABLE 2**

*Minimum Training Requirements for 'No Carry' Operators*

Note: These are operators that do not hold an approval to carry Dangerous Goods

Aspects of transport of dangerous goods by air with which they should be familiar, as a minimum	Operators and ground handling agents				
	Category				
	13	14	15	16	17
General philosophy	•	•	•	•	•
Limitations	•	•	•	•	•
Labelling and marking	•	•	•	•	•
Shipper's Declaration and other relevant documentation	•				
Recognition of Undeclared Dangerous Goods	•	•	•	•	•
Provisions for passengers and crew	•	•	•	•	•
Emergency procedures	•	•	•	•	•

**KEY**

- Operator's and ground handling agent's staff accepting cargo or mail (other than dangerous goods)
- Operator's and ground handling agent's staff involved in the handling, storage and loading of cargo or mail and baggage
- Passenger handling staff
- Flight crew members, loadmasters, load planners and flight operations officers/ flight dispatcher
- Crew members (other than flight crew members)

**TABLE 3**

*Minimum Training Requirements for Designated Postal Operators*

Aspects of transport of dangerous goods by air with which they should be familiar, as a minimum	Designated Postal Operators		
	Category		
	A	B	C
General philosophy	•	•	•
Limitations	•	•	•
General requirements for shippers	•		
Classification	•		
List of dangerous goods	•		
General packing requirements	•		
Packing instructions	•		
Labelling and marking	•	•	•
Shipper's Declaration and other relevant documentation	•	•	
Acceptance of the dangerous goods listed in 2.4	•		
Recognition of undeclared dangerous goods	•	•	•
Storage and loading procedures			•
Provisions for passengers and crew	•	•	•
Emergency procedures	•	•	•

**KEY**

- Staff of designated postal operators involved in accepting mail containing dangerous goods
- Staff of designated postal operators involved in processing mail (other than dangerous goods)
- Staff of designated postal operators involved in the handling, storage and loading of mail