

**ADVISORY CIRCULAR**

No. : AC-28-01-014

Date : 1 March 2016

**A. SUBJECT.**

**Dangerous Goods (DGs) Training Program Approval**

**B. PURPOSE.**

This Advisory Circular (AC) provides guidance for Air Operator Certificate (AOC) holder/applicant for dangerous goods training program approval

**C. STATUS.**

This is the third edition of AC - 28 - 01 - 014, dated 1 March 2016; it will remain current until withdrawn or superseded

**D. CONTENTS.**

- 1.0 Background.
- 2.0 Applicable regulations.
- 3.0 Training policy.
- 4.0 Training and checking staff.
- 5.0 Training records.
- 6.0 Training facilities.
- 7.0 Training and checking program.
- 8.0 Examination.

- Appendix A. Dangerous goods training program for freight forwarders.
- Appendix B. Dangerous goods training program for AOC holders/handling agents - AOC holders approved to carry dangerous goods.
- Appendix C. Dangerous goods training program for AOC holders not approved to carry dangerous goods.
- Appendix D. Dangerous goods training program for regulated agents.
- Appendix E. Dangerous goods training program for security staff.
- Appendix F. Dangerous goods training program for designated postal operators.
- Appendix G. Dangerous goods training program elements contents.

**E. REFERENCES.**

The following documents were used as reference material:

- ICAO Annex 18.
- ICAO Annex 6 - Operations of Aircraft, Parts 1.
- ICAO Doc. 9284-AN/905 Technical Instructions for the Safe Transport of Dangerous Goods by Air.
- JCAR OPS 1.



## **Dangerous Goods (DGs) Training Program Approval**

### **1.0 Background.**

- 1.1 ICAO Annex 18, The Safe Transport of Dangerous Goods by Air deals with all aspects of the subject. In general, it sets down the broad general principles which determine whether items are acceptable for carriage by air. One of the applicable Standards requires that Dangerous Goods are carried only in accordance with ICAO Doc 9284, 'Technical Instructions for the Safe Transport of Dangerous Goods by Air' which is generally referred to as the "Technical Instructions". The Technical Instructions amplify the basic provisions of Annex 18 and contain all the detailed instructions necessary for the safe international transport of dangerous goods by air.
- 1.2 The Technical Instructions contain training requirements which apply to everyone involved in consigning, handling and carrying dangerous goods, cargo and passenger baggage. These include the need for refresher training at two-year intervals and the keeping of training records. There are specific responsibilities for shippers and operators. Shippers must ensure staff preparing consignments of dangerous goods receive training or that another organization with trained staff is used. Operators must ensure their own staff and those of their handling agents are trained. Training programs for operators are subject to approval by CARC.

### **2.0 Applicable Regulations.**

- 2.1 AOC holders shall not conduct dangerous goods training unless an approval for the conduct of training has been issued by CARC in accordance with JCAR OPS 1.
- 2.2 An operator must ensure that staff receives training in the requirements commensurate with their responsibilities.
- 2.3 An operator must ensure that training is provided or verified upon the employment of a person in a position involving the transport of dangerous goods by air.

### **3.0 Training Policy.**

#### **3.1 Eligibility.**

- a. An operator shall establish and maintain staff training programs, as required by the Technical Instructions, which shall be approved by CARC.





- b. An operator shall ensure that all staff who receives training undertakes a test to verify understanding of their responsibilities.
- c. An operator shall ensure that all staff who requires dangerous goods training receives recurrent training at intervals of not longer than two years.
- d. An operator shall ensure that records of dangerous goods training are maintained for all staff as required by the Technical Instructions.
- e. An operator shall ensure that his handling agent's staff is trained as required by the Technical Instructions.
- f. Initial and recurrent dangerous goods training programs must be established and maintained by or on behalf of:
  - (1) Shippers of dangerous goods, including packers and persons or organizations undertaking the responsibilities of the shipper.
  - (2) Operators.
  - (3) Ground handling agencies which perform, on behalf of the operator, the act of accepting, handling, loading, unloading, transferring as well as processing of cargo, mail and storage.
  - (4) Ground handling agencies located at airports which perform, on behalf of the operator, the act of processing passengers.
  - (5) Agencies, not located at an airport, which perform, on behalf of the operator, the act of checking in passengers.
  - (6) Freight forwarders.
  - (7) Agencies engaged in the security screening of passengers and their baggage and/or cargo, mail or storage.
  - (8) Designated postal operators.

**3.2 Training Validity.** The period of validity of the dangerous goods recurrent training is 24 calendar months.

**3.3 Dangerous Goods Training Subjects.** Based on the individuals' assigned task all of the following subjects shall be covered during the initial and the recurrent dangerous goods training:



- a. General philosophy.
- b. Limitations.
- c. General requirements for shippers.
- d. Classification.
- e. List of dangerous goods.
- f. Packing requirements.
- g. Labeling and marking.
- h. Dangerous goods transport documents and other relevant documentation.
- i. Acceptance procedures.
- j. Recognition of undeclared dangerous goods.
- k. Storage and loading procedures.
- l. Pilots' notification.
- m. Provisions for passengers and crew.
- n. Emergency procedures.

**4.0 Training and Checking Staff.** Persons employed by the AOC holder/applicant with qualifications, experiences and authorization appropriate for delivering dangerous goods training - Dangerous goods instructor.

**5.0 Training Records.**

- 5.1 AOC holder/applicant shall retain detailed training records to show that all requirements of the training courses have been conducted in accordance with JCARs, and shall maintain a system for recording the qualifications and training of the instructional staff.
- 5.2 The dangerous goods training records must be retained by the AOC holder for a minimum period of 36 months from the most recent training completion months and must be made available upon request to CARC.

5.3 The dangerous goods training record shall include:

- a. The individual's name.
- b. The most recent training completion date.
- c. A description, copy or reference to training materials used to meet the training requirements.
- d. The name and address of the organization providing the training; and
- e. Evidence which shows that a test has been completed satisfactorily.


5.4 The format of the training records shall be specified in the operations manual part D - training.

**6.0 Training Facilities.**

**6.1 Classrooms.**

- a. The classroom should be such that each trainee is allowed reasonable working area. The overall size of the classroom shall be determined by multiplying the expected number of trainees by 1.4 square meters.
- b. The maximum permissible number of trainees in a class room shall be a ratio of 15 trainees for one instructor and 25 trainees for 2 instructors.
- c. At least one class room for the theoretical training shall be available with the minimum furniture needed like white board, a desk or table and chair for each trainee. The classroom should have required training aids like projection media (Power point, slides, overheads, TV, etc.).
- d. For AOC holder/applicant with dangerous goods transport by air approval, at least one dangerous goods training storage shall be available with the required means that facilitate dangerous goods training.

**6.2 The Learning Environment.** The key to a good learning environment is the elimination of discomforts and other undesirable characteristics:

- a. The climate must be comfortable.
  - b. Lighting must be of adequate level for work or viewing.
  - c. Distracting sounds must be kept to a minimum.
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- d. Work areas must be aesthetically pleasing.
- e. Training equipment must be adequate.

## **7.0 Training and Checking Program.**

7.1 Dangerous goods training and checking program shall be developed for each type of course offered.

**7.2 Training Program Structure.** Personnel must receive training in the requirements to commensurate with their responsibilities. Such training must include:

- a. **Familiarization Training.** Training must be aimed at providing familiarity with the general provisions.
- b. **Function / Specific Training.** Training must provide detailed training in the requirements applicable to the function for which that person is responsible.
- c. **Safety Training.** Training must cover the hazards, presented by dangerous goods, safe handling and emergency response procedures.

**7.3 Training in Emergency Procedures.** The training program shall include training in emergency procedures as detailed:

**a. For personnel other than crew members:**

- (1) Dealing with damaged or leaking packages.
- (2) Other actions in the event of ground emergencies arising from dangerous goods.

**b. For flight crew members:**

- (1) Actions in the event of emergencies in flight occurring in the passenger cabin or in the cargo compartments.
- (2) The notification to ATS should an in-flight emergency occur.

**c. For crew members other than flight crew members:**

- (1) Dealing with incidents arising from dangerous goods carried by passengers; or
- (2) Dealing with damaged or leaking packages in flight.



#### **7.4 Training Program Contents.**

- a. The training manual shall state entry requirements for each course and shall include the standards and objectives for each module of training that the trainees are required to complete.
- b. The length and amount of training appropriate to the course should be designed for a trainee with the minimum entry requirements as detailed in the Training Manual and as detailed in:
  - (1) Appendix A. Dangerous goods training program for freight forwarders.
  - (2) Appendix B. Dangerous goods training program for AOC holders/handling agents - AOC holders approved to carry dangerous goods.
  - (3) Appendix C. Dangerous goods training program for AOC holders not approved to carry dangerous goods.
  - (4) Appendix D. Dangerous goods training program for security staff.
  - (5) Appendix E. Dangerous goods training program for designated postal operators.
  - (6) Appendix F. Dangerous goods training program elements contents

#### **7.5 Training Methodology.**

##### **a. General.**

- (1) Training intended to give general information and guidance may be by any means including handouts, leaflets, circulars, slide presentations, videos, etc, and may take place on-the-job or off-the-job.
- (2) Training intended to give an in-depth and detailed appreciation of the whole subject or particular aspects of it should be by formal training courses, which should include a written examination, the successful passing of which will result in the issue of the proof of qualification. Training courses should include the course objectives, the training program syllabus/curricula and examples of the written examination to be undertaken.



- (3) Aspects of training. The aspects of training specified in the Technical Instructions are applicable whether the training is for general information and guidance or to give an in-depth and detailed appreciation. The extent to which any aspect of training should be covered is dependent upon whether it is for general information or to give in-depth appreciation. Additional aspects not identified in the Technical Instructions may need to be covered, or some aspects omitted, depending on the responsibilities of the individual.

**b. Levels of Training.**

- (1) Where it is intended to give an in-depth and a detailed appreciation of the whole subject or of the area(s) being covered, such that the person being trained gains in knowledge so as to be able to apply the detailed requirements of the Technical Instructions. This training should include establishing, by means of a written examination covering all the areas of the training program, that a required minimum level of knowledge has been acquired; or
- (2) Where it is intended to give general information and guidance about the area(s) being covered, such that the person being trained receives an overall awareness of the subject. This training should include establishing by means of a written or oral examination covering all areas of the training program, that a required minimum level of knowledge has been acquired.

**c. How to Achieve Training.**

- (1) Training providing general information and guidance is intended to give a general appreciation of the requirements for the transport by air of dangerous goods. It may be achieved by means of handouts, leaflets, circulars, slide presentations, videos, etc, or a mixture of several of these means. The training does not need to be given by a formal training course and may take place 'on-the-job' or 'off-the-job'.
- (2) Training providing in-depth guidance and a detailed appreciation of the whole subject or particular areas of it is intended to give a level of knowledge necessary for the application of the requirements for the transport by air of dangerous goods. It should be given by a formal training course which takes place at a time when the person is not undertaking normal duties. The course may be by means of tuition or as a self-study program or a mixture of both of these. It should cover all the areas of dangerous goods relevant to the person receiving the training, although areas not likely to be relevant may be omitted (for instance, training in the transport of radioactive materials may be excluded where they will not be carried by the operator).

**8.0 Examinations.**

- 8.1 A test to verify understanding must be provided following dangerous goods training, and conformation that the test has been completed satisfactory is required.
- 8.2 Operator shall ensure that the personnel performing these checks are suitably qualified - dangerous goods instructor.
- 8.3 Written examinations are required for each initial and recurrent dangerous goods training. The applicant must pass dangerous goods written examination (passing mark 80%).
- 8.4 Applicants who fail the dangerous goods examination may sit for the examination again after undergoing at least 1 day corrective training and assessment by a dangerous goods instructor with a recommendation for each re-sit.
- 8.5 Operator shall prescribe the unsatisfactory performance procedure in the dangerous goods training and checking program.



**Eng. Ahmad Azzam**  
**Acting Chief Commissioner**



**Appendix A****Dangerous Goods Training Program for Freight Forwarders**

**1.0 Requirements.** Applicable for freight forwarders and shippers operations

**2.0 Training Categories.**

**2.1 Category 1.** Applicable for shippers and persons undertaking the responsibilities of shippers.

**a. Course Duration.**

- (1) Initial Training. At least 4 days / 24 programmed hours.
- (2) Recurrent Training. At least 1 day / 6 programmed hours.

**b. Course Subjects.**


- (1) General philosophy.
- (2) Limitations.
- (3) General requirements for shippers.
- (4) Classification.
- (5) List of dangerous goods.
- (6) Packing requirements.
- (7) Labeling and marking.
- (8) Dangerous goods transport documents and other relevant documentation.
- (9) Recognition of undeclared dangerous goods.
- (10) Provisions for passengers and crew.
- (11) Emergency procedures.

**2.2 Category 2.** Applicable for packers.

**a. Course Duration.**

- (1) Initial Training. At least 3 days / 18 programmed hours.
- (2) Recurrent Training. At least 1 day / 6 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
  - (2) Classification.
  - (3) List of dangerous goods.
  - (4) Packing requirements.
  - (5) Labeling and marking.
  - (6) Recognition of undeclared dangerous goods.
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- (7) Provisions for passengers and crew.
- (8) Emergency procedures.

**2.3 Category 3.** Applicable for staff freight forwarders involved in processing dangerous goods.

**a. Course Duration.**

- (1) Initial Training. At least 4 days / 24 programmed hours.
- (2) Recurrent Training. At least 1 day / 6 programmed hours.

**b. Course Subjects.**


- (1) General philosophy.
- (2) Limitations.
- (3) General requirements for shippers.
- (4) Classification.
- (5) List of dangerous goods.
- (6) Packing requirements.
- (7) Labeling and marking.
- (8) Dangerous goods transport documents and other relevant documentation.
- (9) Recognition of undeclared dangerous goods.
- (10) Provisions for passengers and crew.
- (11) Emergency procedures.

**2.4 Category 4.** Applicable for staff freight forwarders involved in processing cargo or mail (other than dangerous goods).

**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
- (2) Recurrent Training. At least .5 day / 3 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
  - (2) Limitations.
  - (3) Labeling and marking.
  - (4) Dangerous goods transport documents and other relevant documentation.
  - (5) Recognition of undeclared dangerous goods.
  - (6) Provisions for passengers and crew.
  - (7) Emergency procedures.
- 

**2.5 Category 5.** Applicable for staff freight forwarders involved in the handling, storage, loading of cargo or mail.

**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
- (2) Recurrent Training. At least .5 day / 3 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
- (2) Limitations.
- (3) Labeling and marking.
- (4) Recognition of undeclared dangerous goods.
- (5) Storage and loading procedures.
- (6) Provisions for passengers and crew.
- (7) Emergency procedures.



**Appendix B****Dangerous Goods Training Program for AOC Holders/Handling Agents - AOC Holders Approved to Carry Dangerous Goods****1.0 Requirements.** Applicable for:

- a. Handling agents.
- b. AOC holders approved to carry dangerous goods.


**2.0 Training Categories.****2.1 Category 6.** Applicable for operator and ground handling agents' staff accepting dangerous goods.**a. Course Duration.**

- (1) Initial Training. At least 5 days / 30 programmed hours.
- (2) Recurrent Training. At least 2 days / 12 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
- (2) Limitations.
- (3) General requirements for shippers.
- (4) Classification.
- (5) List of dangerous goods.
- (6) Packing requirements.
- (7) Labeling and marking.
- (8) Dangerous goods transport documents and other relevant documentation.
- (9) Acceptance procedures.
- (10) Recognition of undeclared dangerous goods.
- (11) Storage and loading procedures.
- (12) Pilots' notification.
- (13) Provisions for passengers and crew.
- (14) Emergency procedures.

**2.2 Category 7.** Applicable for operator and ground handling agents staff accepting cargo or mail (other than dangerous goods).**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
  - (2) Recurrent Training. At least .5 day / 3 programmed hours.
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**b. Course Subjects.**

- (1) General philosophy.
- (2) Limitations.
- (3) Labeling and marking.
- (4) Dangerous goods transport documents and other relevant documentation.
- (5) Recognition of undeclared dangerous goods.
- (6) Provisions for passengers and crew.
- (7) Emergency procedures.

**2.3 Category 8.** Applicable for operator and ground handling agent's staff involved in the handling, storage and loading of cargo, mail and baggage.**a. Course Duration.**

- (1) Initial Training. At least 3 days / 18 programmed hours.
- (2) Recurrent Training. At least 1 day / 6 programmed hours.


**b. Course Subjects.**

- (1) General philosophy.
- (2) Limitations.
- (3) Labeling and marking.
- (4) Recognition of undeclared dangerous goods.
- (5) Storage and loading procedures.
- (6) Pilots' notification.
- (7) Provisions for passengers and crew.
- (8) Emergency procedures.

**2.4 Category 9.** Applicable for passenger Handling Staff.**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
- (2) Recurrent Training. At least .5 day / 3 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
  - (2) Limitations.
  - (3) Labeling and marking.
  - (4) Recognition of undeclared dangerous goods.
  - (5) Provisions for passengers and crew.
  - (6) Emergency procedures.
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**2.5 Category 10.** Applicable for flight crew members, load masters, load planners and flight dispatchers.

**a. Course Duration.**

- (1) Initial Training. At least 3 days / 18 programmed hours.
- (2) Recurrent Training. At least 1 day / 6 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
- (2) Limitations.
- (3) List of dangerous goods.
- (4) Labeling and marking.
- (5) Recognition of undeclared dangerous goods.
- (6) Storage and loading procedures.
- (7) Pilots' notification.
- (8) Provisions for passengers and crew.
- (9) Emergency procedures.

**2.6 Category 11.** Applicable for crew members other than flight crew member.

**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
- (2) Recurrent Training. At least .5 day / 3 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
- (2) Limitations.
- (3) Labeling and marking.
- (4) Recognition of undeclared dangerous goods.
- (5) Provisions for passengers and crew.
- (6) Emergency procedures.

**Appendix C****Dangerous Goods Training Program for AOC Holders Not Approved to Carry Dangerous Goods**

**1.0 Requirements.** Applicable for AOC holders not approved to carry dangerous goods.

**2.0 Training Categories.**

**2.1 Category 13.** Applicable for operator staff accepting cargo or mail (other than dangerous goods)

**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
- (2) Recurrent Training. At least .5 day / 3 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
- (2) Limitations.
- (3) Labeling and marking.
- (4) Dangerous goods transport documents and other relevant documentation.
- (5) Recognition of undeclared dangerous goods.
- (6) Provisions for passengers and crew.
- (7) Emergency procedures.

**2.2 All Other Categories.**

- **Category 14.** Applicable for operators staff involved in the handling, storage and loading of cargo or mail (other than dangerous goods) and baggage.
- **Category 15.** Applicable for passenger handling staff.
- **Category 16.** Applicable for flight crew members, load masters, load planners and flight dispatchers.
- **Category 17.** Applicable for crew member other than flight crew members.

**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
- (2) Recurrent Training. At least .5 day / 3 programmed hours.





**b. Course Subjects.**

- (1) General philosophy.
- (2) Limitations.
- (3) Labeling and marking.
- (4) Recognition of undeclared dangerous goods.
- (5) Provisions for passengers and crew.
- (6) Emergency procedures.

**Appendix D****Dangerous Goods Training Program for Regulated Agent**

**1.0 Requirements.** Applicable for regulated agent staff involved with screening of cargo or mail.

**2.0 Training Categories.**

**2.1 Category 8 - Cargo Only.** Applicable for regulated agent's staff involved in the handling, storage and loading of cargo, mail and baggage.

**a. Course Duration.**

- (1) Initial Training. At least 3 days / 18 programmed hours.
- (2) Recurrent Training. At least 1 day / 6 programmed hours.

**b. Course Subjects.**


- (1) General philosophy.
- (2) Limitations.
- (3) Labeling and marking.
- (4) Recognition of undeclared dangerous goods.
- (5) Storage and loading procedures.
- (6) Pilots' notification.
- (7) Provisions for passengers and crew.
- (8) Emergency procedures.

**2.2 Category 12.** Applicable for security staff involved with screening of passengers and crew and their baggage, cargo or mail.

**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
- (2) Recurrent Training. At least .5 day / 3 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
  - (2) Limitations.
  - (3) Classification.
  - (4) Labeling and marking.
  - (5) Recognition of undeclared dangerous goods.
  - (6) Provisions for passengers and crew.
  - (7) Emergency procedures.
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**Appendix E****Dangerous Goods Training Program for Passenger Security Staff**

**2 Requirements.** Applicable for security staff involved with screening of passengers and crew and their baggage, cargo or mail.

**2.0 Training Categories.**

**2.1 Category 12.** Applicable for security staff involved with screening of passengers and crew and their baggage, cargo or mail.

**c. Course Duration.**

- (3) Initial Training. At least 2 days / 12 programmed hours.
- (4) Recurrent Training. At least .5 day / 3 programmed hours.

**d. Course Subjects.**

- (8) General philosophy.
- (9) Limitations.
- (10) Classification.
- (11) Labeling and marking.
- (12) Recognition of undeclared dangerous goods.
- (13) Provisions for passengers and crew.
- (14) Emergency procedures.



**Appendix F****Dangerous Goods Training Program for Designated Postal Operators**

**1.0 Requirements.** Applicable for designated postal operators

**2.0 Training Categories.**

**2.1 Category A.** Applicable for staff of designated postal operators involved in accepting mail containing dangerous goods.

**a. Course Duration.**

- (1) Initial Training. At least 4 days / 24 programmed hours.
- (2) Recurrent Training. At least 1 day / 6 programmed hours.

**b. Course Subjects.**


- (1) General philosophy.
- (2) Limitations.
- (3) General requirements for shippers
- (4) Classification.
- (5) List of dangerous goods.
- (6) Packing requirements.
- (7) Labeling and marking.
- (8) Dangerous goods transport documents and other relevant documentation.
- (9) Acceptance of dangerous goods listed in TI 1;2.3.2
- (10) Recognition of undeclared dangerous goods.
- (11) Storage and loading procedures.
- (12) Provisions for passengers and crew.
- (13) Emergency procedures.

**2.2 Category B.** Applicable for staff of designated postal operators involved in processing mail (other than dangerous goods).

**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
- (2) Recurrent Training. At least .5 day / 3 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
  - (2) Limitations.
- 

- (3) Labeling and marking.
- (4) Dangerous goods transport documents and other relevant documentation.
- (5) Recognition of undeclared dangerous goods.
- (6) Provisions for passengers and crew.
- (7) Emergency procedures.

**2.3 Category C.** Applicable for staff of designated postal operators involved in the handling, storage and loading of mail.

**a. Course Duration.**

- (1) Initial Training. At least 2 days / 12 programmed hours.
- (2) Recurrent Training. At least .5 day / 3 programmed hours.

**b. Course Subjects.**

- (1) General philosophy.
- (2) Limitations.
- (3) Labeling and marking.
- (4) Recognition of undeclared dangerous goods.
- (5) Storage and loading procedures.
- (6) Provisions for passengers and crew.
- (7) Emergency procedures.



## **Appendix G**

### **Dangerous Goods Training Program Elements Contents**

#### **1.0 General Philosophy.**

- a. Purpose of dangerous goods training program.
- b. Applicable regulatory materials.
- c. Use of the Technical Instructions.
- d. Definitions used in air transportation of dangerous goods.
- e. General transportation requirements.
- f. Transport by aircraft.
- g. Training requirements and record-keeping.
- h. Dangerous goods security.

#### **2.0 Limitations.**

- a. Dangerous goods forbidden on aircraft.
- b. Exempt dangerous goods.
- c. Dangerous goods carried by passengers or crew.

#### **3.0 General Requirements for Shippers.**

- a. Shippers specific responsibilities and compliance to regulations.
- b. Identify and recognize dangerous goods COMAT.
- c. Specific dangerous goods COMAT exceptions.

#### **4.0 Classification.**

- a. Classifying dangerous goods.
- b. Packing groups.
- c. Precedence of hazards.

#### **5.0 List of Dangerous Goods.**

- a. Purpose and use of the dangerous goods table.
- b. Proper shipping names.
- c. Hazard class (definition).
- d. UN/ID Numbers.
- e. Packing group.

#### **6.0 General Packing Requirements.**

- a. Shipper's responsibilities.
- b. General packing requirements.
- c. Packing instructions and assignments.



- d. Excepted quantity exceptions.
- e. Limited quantity exceptions.

#### **7.0 Labeling and Marking.**

- a. Markings required on packages containing dangerous goods.
- b. Labels required on packages containing dangerous goods.

#### **8.0 Dangerous Goods Transport Documents and Other Relevant Documentation.**

- a. Shipper's certification requirements for dangerous goods.
- b. Transport document requirements.
- c. Description of dangerous goods required on transport documents.
- d. Provision of information.

#### **9.0 Acceptance Procedures.**

- a. Acceptance and rejection procedures and requirements for dangerous goods.
- b. Passenger and cargo provision of information requirements.
- c. Unit load device and package inspection.


#### **10.0 Recognition of undeclared dangerous goods.**

- a. Hidden shipment indicators.
- b. Suspicious cargo and baggage awareness.
- c. Reporting of accidents and incidents and undeclared or miss declared dangerous goods.

#### **11.0 Storage and Loading Procedures.**

- a. Unit load device and package inspection.
- b. Stowage compatibility.
- c. Orientation of packages.
- d. Securing packages.
- e. Loading of cargo aircraft.
- f. Damages from shipments of dangerous goods.

#### **12.0 Pilots' Notification.**

- a. Notification to pilot-in-command.
  - b. Emergency response information.
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### **13.0 Provisions for Passengers and Crew.**

- a. Dangerous goods exceptions.

### **14.0 Emergency Procedures**

- a. Emergency response guidance for aircraft incident involving dangerous goods.