

**Dangerous Goods Technical Course**  
Under the ICAO COSCAP Programmes

**Recurrent Training on the ICAO Technical Instructions**  
(Bangkok, Thailand, 18 - 20 January 2010)

**OUTLINE**

Note: The programme will commence at 0830 hours on Monday, 18 January 2010 and will be conducted over 2.5 days. Specific timings for each topic will be provided on the first day.

**Description:** The Recurrent Training on the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air is designed to fulfill the requirement from sub-paragraph 1;4.2.3 which state: "Recurrent training must take place within 24 months of previous training to ensure knowledge is current." The training will cover the essential segments and the changes which took place over the previous twenty-four months

Knowledge of on how to use the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air, is a requirement for the competency of a State's Dangerous Goods Inspector as described in the requirements established in the Annex 18 of the ICAO Convention on International Civil Aviation.

**Method of Instructions:**

- Classroom lectures
- Exercises on the classification, selection of packaging, packaging, marking, labelling and documenting various shipments (Shipper's responsibilities)
- Exercises in the acceptance and handling of dangerous goods (Operator's responsibilities)
- Confirmation exam

**Pre-course requisites:** Prior qualification on using the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air is recommended. Equivalent experience on the use of the IATA Dangerous Goods Regulations or the Air International Regulations for Shippers of Dangerous Goods is acceptable.

**Content of the training:**

- **Introduction**
  - Purpose of the Training
  - Objectives of the Training
  - Format of the Training

- **ICAO Annex 18 and the Technical Instructions**
  - Recent Revisions to Annex 18 and the Technical Instructions
  - Relationship with the IATA Dangerous Goods Regulations and the Air International Regulations for Shippers of Dangerous Goods
- **Content of the Technical Instructions**
  - Review of the Foreword to the Technical Instructions
  - The Eight Parts of the Technical instructions
- **Classification**
  - What Are Dangerous Goods?
  - Review of the Nine Classes of Dangerous Goods
  - Changes associated with the Classification of Dangerous Goods
- **The Use of the Dangerous Goods List (Table 3-1)**
  - Review of the Arrangement of the Dangerous Goods List (Table 3-1)
  - Review of Abbreviations or symbols
  - New and Revised Proper Shipping Names
  - List of UN Numbers with Associated Proper
- **Dangerous Goods not Specifically Listed by Name**
  - Review of how to select a Proper Shipping Name
  - Review of how to Classify Mixtures and Solutions
- **Packing Requirements**
  - Review of Packaging Definitions
  - Review General Packing Requirements
  - Revised and New Packing Instructions System
- **Package Specification Markings**
  - Review of Packaging Performance Testing
  - Review of the Codes Identifying the Types of Packagings
  - Review of the Code Numbers for Outer and Single Packagings
  - Review of Special Package Specification Markings
- **Marking and Labelling of Packages**
  - Changes to the Marking Requirements
  - Review of the Labelling Requirements
  - Review and New Hazard and Handling Labels
  - Review of Special Markings
- **Documentation**
  - Review and New Requirements for the Dangerous Goods Transport Document
  - Review and New Other Transport Documents
- **Different Dangerous Goods Together in One Package**
  - Review and New Restrictions
  - Review and New Q Value Process
  - Review of Overpacks

- **Dangerous Goods in Limited Quantities**
    - Review of Applicability
    - Review of Packing and Packagings
    - Review and New Package Markings
    - Review of Associated Transport Document
    - Review of Different Dangerous Goods Packed Together
  - **Limitations on Dangerous Goods Transported by Air**
    - Review of Dangerous Goods Forbidden for Transport by Air under any Circumstances
    - Review of Dangerous Goods Partly Forbidden
    - Review of Dangerous Goods Partly Forbidden – Air Mail
    - Review of Alleviations – Operator's Equipment
    - Review of Alleviations – Excepted Quantities
    - Review of Dangerous Goods not subject to the Technical Instructions
  - **Radioactive Materials**
    - Review of Classification
    - Review of the Exclusions from the Technical Instructions
    - Review of Radioactive Material with Limited Activity
    - Review of Special Form and Other Form
    - Review of how to Measure the Activity of Radioactive Materials
    - Review of Packaging, Marking and Labelling
    - Review of Documentation
  - **Provisions for Passengers and Crew Members**
    - Review of the Operator's Responsibilities for Providing Information to Passengers
    - Review of Provisions for Passengers and Crew
  - **Air Operator's Responsibilities**
    - Review of Acceptance Procedures
    - Review of Provision of Information Requirements
    - Review of how to Deal with Damaged Packages / Contaminated Cargo or Baggage
    - Review of Operator's Responsibilities Regarding Emergency Procedures
    - Review of Training Requirements
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