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## Session 2

ICAO Requirements related to Cabin Safety



# Overview

- Definition of cabin safety
- ICAO cabin safety requirements
- ICAO cabin crew training requirements
- Relevant manuals and circulars
- Points to remember
- Q&A



# What is Cabin Safety?

- Discipline that contributes to
  - Prevention of accidents and incidents
  - Protection of aircraft occupants
- Through proactive safety management, including
  - Hazard identification and safety risk management
- Increase of survivability in event of emergency situation





# What is Cabin Safety?

- Cabin safety focuses on:
  - Regulations relating to cabin operations
  - Operator's procedures and documentation
  - Cabin crew training and qualifications
  - Human performance
  - Design and manufacturing
  - Equipment and furnishings on board aircraft
  - The operational environment





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# ICAO Cabin Safety Requirements



# ICAO Requirements: Cabin Safety

- ICAO Annexes contain SARPs
  - Adopted by Council of ICAO
  - Serve as minimum Standards applicable to international civil aviation
- Following Annexes comprise SARPs related to cabin safety





# Annex 6 Part I

- *Operation of Aircraft, Part I — International Commercial Air Transport — Aeroplanes*
  - Operator's procedures
  - Passenger safety
  - Carry-on baggage
  - Minimum crew compliment
  - Assignment of cabin crew members' emergency duties
  - Cabin crew at emergency evacuation stations
  - Protection of cabin crew during flight
  - Cabin crew training programmes
  - Equipment required on board aeroplanes
  - Cabin crew members' fatigue management
  - Security-related procedures and security training programmes





## Annex 8

- *Airworthiness of Aircraft*
  - Cabin design & manufacturing
    - Protection of its occupants
  - Systems design features
  - Operating environment & HF
    - including ergonomics
  - Crashworthiness & cabin safety:
    - Design emergency landing loads
    - Cabin fire protection
    - Evacuation
    - Lighting and marking
    - Survival equipment
    - Security-related design aspects of cabin







# Annex 13

- *Accident and Incident Investigation*
  - Organization and conduct of investigation
  - Investigating accidents
    - including turbulence-related occurrences with serious injury
  - Examples of serious incidents that should be investigated
    - including those related to cabin safety





# Annex 18

- *The Safe Transport of Dangerous Goods by Air*
  - Classification of dangerous goods
  - Limitation on the transport of dangerous goods by air
  - Labelling and marking
  - Operator's responsibilities
  - Information and instructions to flight crew members
  - Information to passengers
  - Establishment of dangerous goods training for cabin crew members
- *Doc 9284 — Technical Instructions for the Safe Transport of Dangerous Goods by Air*
  - Details regarding Annex 18 SARPs





# Annex 19

- *Safety Management*
  - State Safety Programme
  - Service providers' safety management systems
    - Including air operators





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# ICAO Cabin Crew Training Requirements



# Safety & Emergency Procedures Training

## Annex 6, Part I - Paragraph 12.4

- Operator shall establish/maintain training programme
  - Completed by all persons before being assigned as cabin crew
- Approved by State of the Operator
- Cabin crew members shall complete recurrent training
  - Annually





# Dangerous Goods Training

Technical Instructions Doc 9284, Part 1 Chapter 4

- DG training for cabin crew members includes:
  - a) General philosophy
  - b) Limitations
  - c) Labelling and marking
  - d) Recognition of undeclared dangerous goods
  - e) Provisions for passengers and crew
  - f) Emergency procedures
- Training required regardless of whether operator is approved to transport dangerous goods or not





# Security Training

## Annex 6, Part I - Paragraph 13.4

- Operator shall establish/maintain approved security training programme
  - Crew members act in most appropriate manner to minimize consequences of unlawful interference





# Relevant Manuals & Circulars

- **Training:**
  - Procedures for Air Navigation Services — Training (Doc 9868)
  - Cabin Crew Safety Training Manual (Doc 10002)
  - Manual of Evidence-based Training (Doc 9995)
- **Surveillance:**
  - Manual of Procedures for Operations Inspection, Certification and Continued Surveillance (Doc 8335)
  - Airworthiness Manual (Doc 9760)
- **Accident investigation:**
  - Manual of Aircraft Accident and Incident Investigation (Doc 9756)





# Relevant Manuals & Circulars

- **Human Performance:**
  - Safety Management Manual (Doc 9859)
  - Human Factors Training Manual (Doc 9683)
  - ICAO Line Operations Safety Audit (LOSA) Manual (Doc 9803)
  - Human Factors Digest No. 15: Human Factors in Cabin Safety (Cir 300)
- **Dangerous Goods:**
  - Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)
  - Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods (Doc 9481)



# Relevant Manuals & Circulars

- **Aviation Security:**
  - Aviation Security Manual (Doc 8973)
  - Manual on the Implementation of the Security Provisions of Annex 6 (Doc 9811)
- **Fatigue Management:**
  - FRMS Manual for Regulators (Doc 9966)
  - ICAO-IATA-IFALPA FRMS Implementation Guide for Operators



## Points to Remember

- Several ICAO SARPs related to cabin safety in various Annexes
- Specific cabin crew training requirements in Annexes 6, 18 and 19
- Several ICAO manuals and circulars are available as resources for implementation and oversight



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