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
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
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:**
  – 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)
  – 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)

• 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