



ICAO

SAFETY

Session 9

Training Facilities and Devices



Overview

- Classroom-based training
- Trainee to instructor ratio
- Representative training devices
- Safety & emergency equipment
- Cabin training devices
- Q&A



Classroom-based Training

- Doc 10002 provides guidance for facilities and equipment for classroom-based training
 - General space requirements
 - Classroom facilities
 - Learning environment
 - Use of instructional aids





Trainee to Instructor Ratio

- In order to assess and evaluate trainee's competency
 - Limits on ratio of trainees per instructor
- Numbers of instructors vary based on:
 - Different training environments
 - Delivery methods
- ICAO recommends that operator determine ratio of trainees per instructor
 - Satisfactory to State





Recommended Ratios

- **Classroom environment**
 - maximum of 20 trainees per instructor
- **Facilitating computer-based training**
 - maximum of 30 trainees per instructor
 - instructor limited to providing support
- **Conducting practical instruction**
 - maximum of 10 trainees per instructor
- **Familiarisation flights**
 - Operator should establish limits on ratio
 - in accordance with national regulations
- **Consideration may prompt adjustment of trainee to instructor ratio**





Representative Training Devices

- Alternative to use of actual aircraft & equipment for training
- Use of such devices should be approved by State
- Representative training devices include:
 - Safety & emergency equipment
 - Cabin training devices
 - Emergency exit trainers
 - Facilities used for fire fighting and water survival training





Safety & Emergency Equipment

- Training for each piece of equipment should be based on following, if applicable:
 - General description
 - Use
 - Location(s)
 - Pre-flight serviceability check(s)
 - Removal from stowage
 - Operation
 - Conditions for operation
 - Operational limitations and duration of use
 - Operation under adverse conditions
 - Precautions for use
 - Post-use procedures





Cabin Training Devices

- Capable of recreating realistic situations
- Can be used to provide effective training
- Should include parts of the cabin containing:
 - lavatories
 - galleys
 - a type of emergency exit used in an aircraft
 - some seat rows
 - cabin crew seats
 - attendant panels
 - overhead bins
 - *Refer to Doc 10002 Chapter 2*
- Not all components may be needed in single CTD
 - depends on types of exercises carried out on device





Points to Remember

- Trainee to instructor ratios based on training
- Types of representative training devices
- Approval of devices by State
- Selection based on exercises being conducted

