ICAO UNITING AVIATION

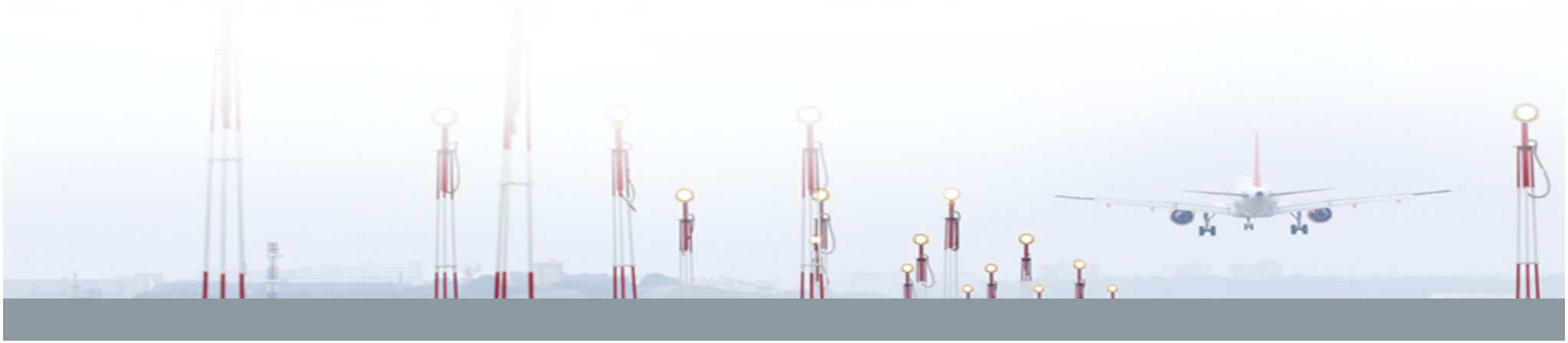
NO COUNTRY LEFT BEHIND

Review of Day 1

CBT & PANS-TRG

Content

- NGAP
- CBT
- PANS-TRG



NGAP

"…to ensure that enough qualified and competent aviation professionals are available to operate, manage and maintain the future international air transport system"

safe, secure and sustainable

NGAP

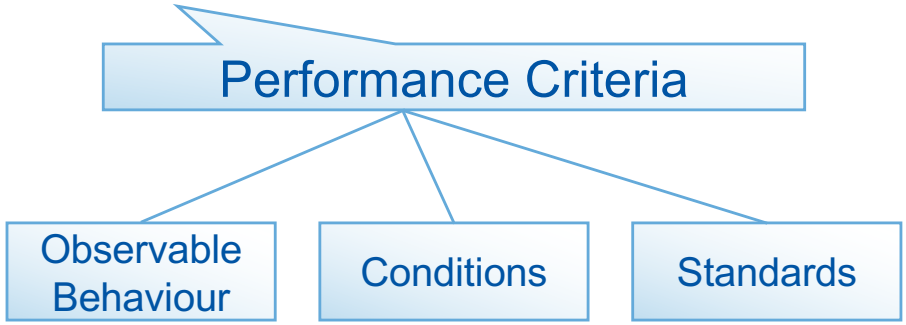
Next Generation of Aviation Professionals

- TF Mission

  To develop strategies, best practices, tools, standards and guidelines as applicable and to facilitate information sharing activities that assist the global aviation community in attracting, training, educating, and retaining the next generation of aviation professionals.

Competency Based Training

- Competency:
  - "A combination of **skills**, **knowledge** and **attitudes** required to perform a task to the prescribed standard"



Competency Based Training

- Competency Units
  - Competency Elements
    - Performance Criteria

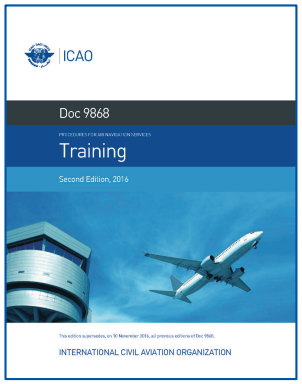
ATSEP

- Engineering
- Situational Awareness
- Service Provision
- Coordination
- Management of Non-Routine Situations
- Problem solving and Decision-making
- Self Management and Continuous Learning
- Workload Management
- Teamwork
- Communication

applicable on all types of training:
Initial, Unit, Continuation

PANS-TRG (Doc. 9868)

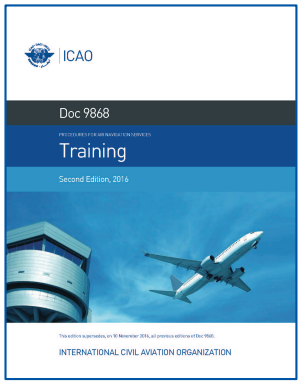
Procedures for Air Navigation Services – Training



- Part I General Procedures
- Part IV Training and Assessment for ATM Personnel
  - Chapter 1 General provisions for CBT and assessment
  - Chapter 3 CBT and assessment for ATSEP
    - Appendix 1 Guidelines for implementation of CBT
    - Appendix 2 ATSEP Competency Framework (CU, CE, PC)

PANS-TRG (Doc. 9868)

Procedures for Air Navigation Services – Training



- ATSEP definition:
  - Personnel proven competent in the installation, operation and/or maintenance of a CNS/ATM system.
  - It is the responsibility of the Air Navigation Service Provider to define the scope of ATSEP.
    The appropriate authority should approve this definition.

COMPETENCY UNIT	DEFINITION	CE No.	COMPETENCY ELEMENT	PC No.	PERFORMANCE CRITERIA OBSERVABLE BEHAVIOUR
SERVICE PROVISION	Ensure availability and reliability of CNS/ATM systems and capabilities	CE3.1	• Monitor the system	PC3.1	• Uses systems monitoring and diagnostic capabilities effectively
		CE3.2	• Analyze anomalies in CNS/ATM systems	PC3.2	• Evaluates the operational consequences of CNS/ATM system anomalies or failures
		CE3.3	• Implement solutions to ensure continuity of services	PC3.3	• Switches from monitoring to intervention in a timely manner
				PC3.4	• Uses prescribed operation procedures properly
				PC3.5	• Ensures that technical interventions take into account the ATC operational situation
				PC3.6	• Coordinates technical interventions with other technical units, the different stakeholders and ATC
				PC3.7	• Monitors the execution of technical interventions
				PC3.8	• Uses a variety of methods to effectively manage system anomalies and degraded situations

Today

- Training Progression
- Training Manuals
- Developing a CBT (examples)

ICAO

North American Central American and Caribbean (NACC) Office
Mexico City

South American (SAM) Office
Lima

ICAO Headquarters
Montréal

Western and Central African (WACAF) Office
Dakar

European and North Atlantic (EUR/NAT) Office
Paris

Middle East (MID) Office
Cairo

Eastern and Southern African (ESAF) Office
Nairobi

Asia and Pacific (APAC) Sub-office
Beijing

Asia and Pacific (APAC) Office
Bangkok

THANK YOU