

NGAP Symposium – Montreal, 1 March 2010

The background features a large, light blue watermark of the ICAO logo. The logo consists of a central globe with latitude and longitude lines, surrounded by a laurel wreath. The acronym 'ICAO' is written in English at the top, and its Chinese equivalent '国际民航组织' is written at the bottom. The text 'OACI' and 'ИКАО' are also visible in the upper part of the watermark.

***ICAO Deliverables in
support of
NGAP***

Henry Defalque – Technical Officer, Flight Operations Section, ICAO

Objective

The objective is to provide an overview of on-going work to propose new or amended provisions in ICAO Standards and Recommended Practices, Procedures for Air Navigation Services and guidance material in support of the NGAP initiative.

To provide the expected timeline for those provisions.

Reminder – ICAO hierarchy of provisions

Standards (Annex core text and Appendices)

- **Recommended Practices (Annex core text and Appendices)**
 - **Procedures for Air Navigation Services (PANS)**
 - **Guidance material (Annex Attachment and Notes; Manuals (Documents) and Circulars)**

Outline

Annex 1 – *Personnel Licensing* amendment

PANS-TRG new provisions

- Aircraft Maintenance Technician
- Evidence-Based Training
- Flight Crew (pilot)
- Air traffic Controller
- Other

Supporting guidance material

Council adoption/approval

Annex 1 – Personnel Licensing Amendment

Minor changes in Annex 1 to:

- Broaden the scope of “Approved training” and “Approved training organization”
- Introduce “ threat and error management” knowledge and skill requirements for air traffic controllers, aircraft maintenance technicians and dispatchers
- Make minor editorial updates to references

Target for applicability: 17 November 2011

Outline

Annex 1 – *Personnel Licensing* amendment

PANS-TRG new provisions

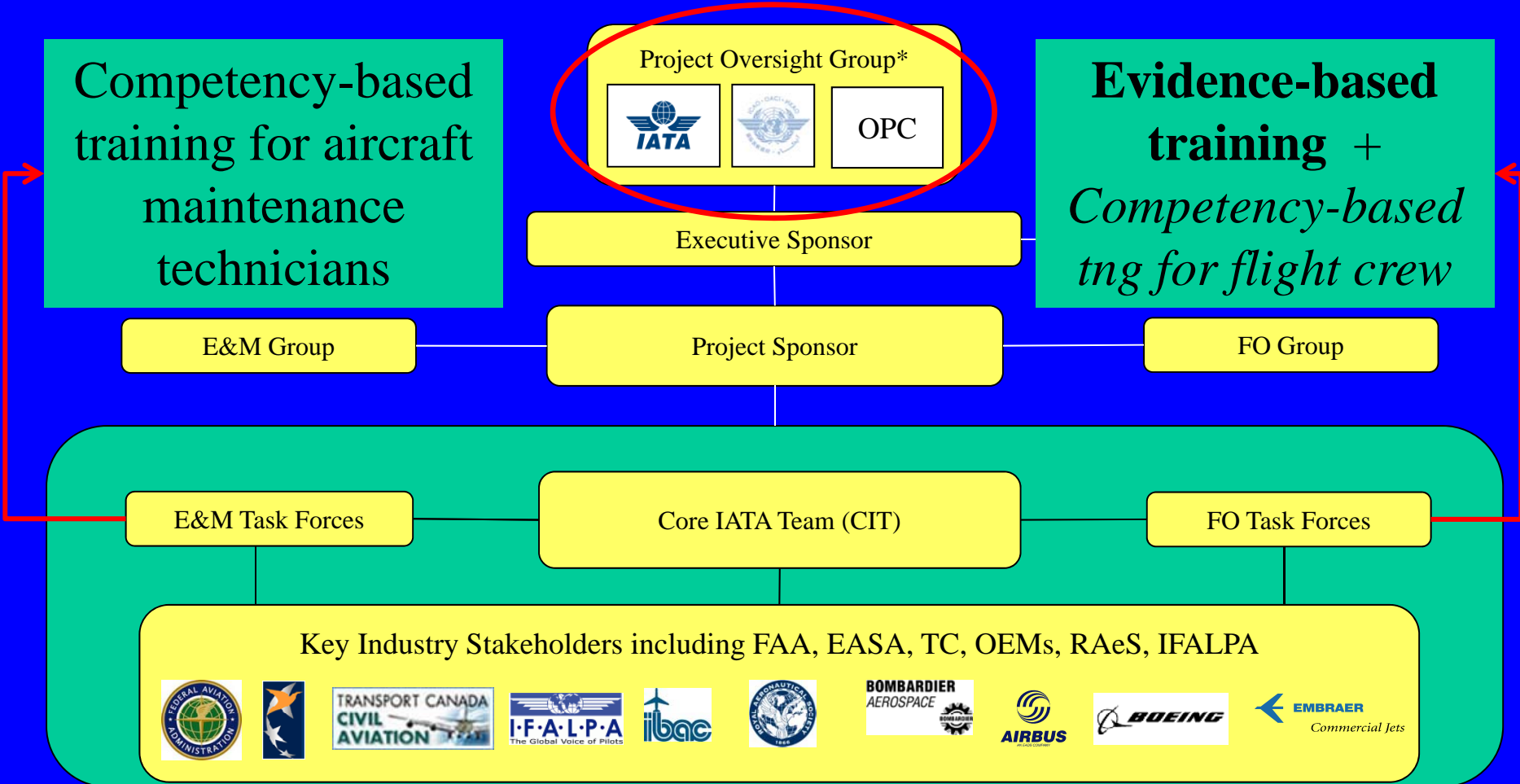
- Aircraft Maintenance Technician
- Evidence-Based Training
- Flight Crew (pilot)
- Air traffic Controller
- Other

} ITQI

ICAO adoption/approval

Supporting guidance material

PANS-TRG new provisions – ITQI



PANS-TRG new provisions – AMT Competency-based training (CBT)

A new chapter to include:

- Definitions and description of training paths
- Principles, procedures and guidance applicable to the design, development and implementation of a CBT course for AMT
- competency units, competency elements and performance criteria (3 competency frameworks)
- Examples of training objectives

Target for applicability: 31 December 2010

Different
from MPL

PANS-TRG new provisions – Flight crew Evidence-Based Training

A new chapter in PANS-TRG, for evidence-based training of flight crews, including:

- Definition of EBT and a description of the concept
- Procedures for the design, approval and oversight of EBT programmes
- Examples of training objectives

And updated qualifications for instructors, evaluators & inspectors

**Target for applicability:
31 December 2011**

PANS-TRG new provisions – Flight Crew, ATC, Other – Competency-based Training

New chapters in PANS-TRG, for competency-based training of :

- Flight crew (pilots and flight engineers)
- Designated Medical Examiners
- Air traffic Controllers
- Dispatchers

Target for applicability

End 2013

31 December 2011

???

???

No in-house resources
Outside SME to be identified

Outline

Annex 1 – *Personnel Licensing* amendment

PANS-TRG new provisions

- Aircraft Maintenance Technician
- Evidence-Based Training
- Flight Crew (pilot)
- Air traffic Controller
- Other

ICAO adoption/approval

Supporting guidance material

ICAO-NET

<http://www.icao.int/icaonet>

Supporting guidance material

Target for availability

New/updated guidance material is being prepared:

- 2nd edition of Doc 9379 (*Manual of Procedures for Establishment and Management of a State's Personnel Licensing System*) **End 2010**
- 2nd edition of Doc 9841 (*Manual on the Approval of ~~Flight-Crew~~ Training Organizations*) **End 2010**
- A new manual on **Evidence-Based Training programmes** **End 2011**
- Ctd...

Supporting guidance material (ctd...)

Target for
availability

New/updated guidance material is being prepared:

- Updated Doc 9625, the *Manual of Criteria for the Qualification of Flight Simulation Training Devices* – Volume I, *Aeroplanes* ✓ **July 2009**
Volume II, *Helicopters* (new!!) **End 2011**
- A new Doc 7192 Training Manual, Part E-2 – *Air Traffic Safety Electronics Personnel* ✓ **Aug 2009**
- Ctd...

Supporting guidance material (ctd...)

Target for
availability

New/updated guidance material is being prepared:

- Doc 9906, the Quality Assurance Manual for Flight Procedure Design – Volume 2 , *Flight Procedure Designer Training* ✓
and Volume 6, *Flight Validation Pilot Training and Evaluation*
- A new edition of Doc 9375, the *Training Manual on the Technical Instructions for the Transport of Dangerous Goods*

End2009

End 2010

Apr 2010

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--- Thank you ---