Extended Diversion Time Operations Workshop

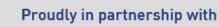
Alternate

Nairobi ETP1 October 28-November 1, 2019

Departure

Module 1 Course Introduction







ETP2



Destination



Course Structure







This module consists of an introduction to the course, the instructors and some essential 'housekeeping'. A run through of course materials provided and introduction to the interactive software to be used in the later modules will also be completed.



EDTOM References

Doc 10085: Extended Diversion Time Operations (EDTO) Manual

This course is based on the content of Doc 10085

National regulations may vary from this content



The following symbol indicates a reference to the EDTO Manual throughout the modules of this workshop:





Module 1 - Outline





ICAO Course Instructors

• Eric Fortunato - AIRBUS

Mike Mock -



Ian Knowles -







More information

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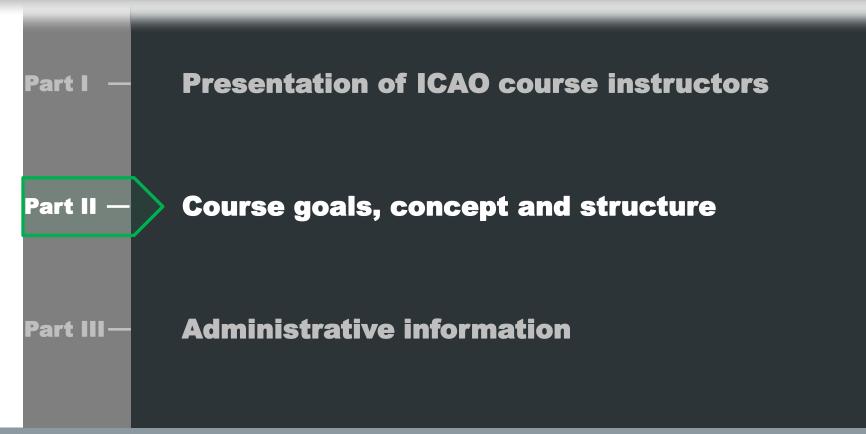
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Module 1 - Outline





Course Goals

The goals of the ICAO EDTO course are to:

- Provide participants with knowledge and skills to implement EDTO in National regulations
 - Based on ICAO Standards and Recommended Practices (SARPs) contained in Annex 6 Part I.
- Develop participants' knowledge to **implement** and **oversee** the key components of an EDTO program, in compliance with ICAO SARPs.





- EDTOM guidance has been developed based on experience of many years of ETOPS operations
 - Drafting of EDTO manual has been conducted by EDTO experts from the Special Operations
 Task Force under the supervision of the FLTOPS/Panel secretariat.
 - Main contributors: International Coordinating Council of Aerospace Industries Associations (ICCAIA), International Air Transport Association (IATA) and States (Australia, France, Singapore, UK, USA, ...)



- The EDTO Manual (Doc 10085) is an outcome of the Regional Safety Oversight Organization (RSOO) Symposium convened by ICAO during October 2011
 - This initiative is aimed at assisting the States in the implementation of the new/revised standards, through guidance material available to RSOOs or other interested parties





- Structure and content of EDTO Manual (Doc 10085):
 - Foreword
 - Definitions and abbreviations
 - Chapter 1: Policy and General information
 - Details approval procedures and continuity of certification and operational approval
 - Chapter 2: Aircraft airworthiness considerations for EDTO
 - EDTO certification, continued airworthiness, EDTO significant systems...
 - Chapter 3: EDTO flight operations requirements
 - Threshold, maximum diversion time and distance, En-route Alternate Aerodrome, Area of operations, EDTO fuel, in-flight Monitoring, diversion, training, ...
 - Chapter 4: EDTO Maintenance and reliability requirements
 - EDTO maintenance program, Parts control, EDTO Service Check, Reliability program, Propulsion system monitoring (IFSD rate), verification program, dual maintenance limitation, ECM, oil consumption monitoring, APU in-flight start, EDTO release, training, ...





Terminology

The following standardized terms and definitions have been adopted in the EDTOM:

Authorization:	An authorization entitles an operator, owner or pilot-in-command to undertake the authorized operations.
Acceptance:	An acceptance is a written or implicit acknowledgment by the State of the Operator/State of Registry to an operator or owner of a notification submitted by, or on behalf of, that operator or owner.
Approval:	An approval is a formal act by the State of the Operator/State of Registry to approve an application or a proposed change submitted by, or on behalf of, an operator or owner. The approval attests to compliance with the applicable provisions.

Specific Approval: A specific approval is an approval which is documented in the operations specifications for commercial air transport operations, or in the list of specific approvals for non commercial operations.

The term '**approval**' is often used as a generic term for the activity of a regulator granting permission to undertake a particular operation. For items relating to Annex 8, the term '**type design approval**' is used to refer to the granting of the type design by the State of Design



Course Structure





Daily Schedule

• 09:00 - 10:30 - 10:30 - 11:00

Scheduled Activities

Coffee/Tea break

11:00 - 12:00
- 12:00 - 13:00

Scheduled Activities

- **13:00 14:30** – 14:30 – 15:00
- Scheduled Activities
- 15:00 16:00 Scheduled Activities
- 16:00 End of Day



Course Schedule

Session Times		Day					
Start	End	1	2	3	4	5	
09:00	10:30	Module 1	Module 4	Module 5	Module 6	Module 8	
		Module 2		(cont.)	(cont.)	(cont.)	
10:30	11:00						
11:00	12:00	Module 2 (cont.)	Module 4	Module 5 (cont.)	Module 7	Assessment Review Close	
12:00	13:00						
13:00	14:30	Module 3	Module 5 (cont.)	Module 6	Module 7		
14:30	15:00						
15:00	16:00	Module 3	Module 5	Module 6	Module 8		
		(cont.)	(cont.)				



Course Dynamics

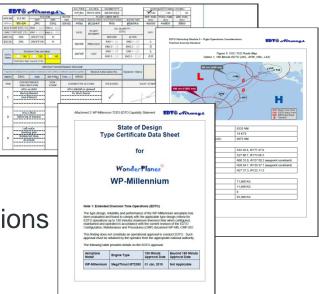
• The workshop is designed with the following format:

- Presentations

covering the theory for each section

- Practical exercises

- to consolidate understanding
- Questions, polls, example EDTO applications





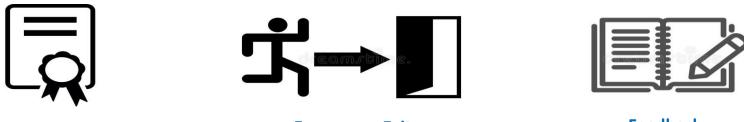
Module 1 - Outline





Housekeeping





Certificates

Emergency Exits

Feedback





• WiFi Connection - DELEGATES

No Password



Evaluation Procedures

Evaluation of participants' performance:

- A final evaluation test
- Multiple choice, open book
- Minimum pass mark: 80%



Evaluation Procedures

Overall course evaluation (Feedback)

Course evaluation :

- Content
- Practical exercises
- Instructors
- Ways and means to improve the training



Interactive Functions



Mentimeter (www.menti.com)

- Anonymous
- Web based
- Practice questions...





EDTO Workshop End of Module 1 – Course Introduction

