

LESSON 01: Concepts

In this lesson we introduce basic ETOPS concepts:

- ETOPS definitions
- ETOPS regulations
- Background
- Benefit

LESSON 02: Definitions

In this lesson we cover definitions of ETOPS terminology:

- Diversion speed
- Diversion distance
- Area of Operations
- Adequate airports / aerodromes
- Suitable airports / aerodromes
- ETOPS alternate airports
- Equal Time Points (ETPs)
- ETOPS range limits
- Extended range area
- Maximum Diversion Time
- Maximum Diversion Distance
- Weather criteria
- Time of intended operation
- ETOPS Entry Point (EEP)
- ETOPS Exit Point (EXP)

LESSON 03: ETOPS Planning Considerations

In this lesson we will cover the planning considerations associated with an ETOPS flight, including:

- Weather planning minima for ETOPS alternate airports
- Alternate requirements
- Dispatch weather minimums
- Fuel planning
- Critical Fuel Scenarios
- Additional fuel requirements
- Computerized Flight Plan
- Use of departures / destinations as alternates
- Fuel planning scenarios
- MEL / CDL considerations
- ETOPS Verifications Flights

LESSON 04: In-Flight Considerations

In this lesson we will cover the following specific in-flight considerations:

- Weather monitoring
- Loss of suitability
- Changes in magnetic variation
- Defect reporting
- In-flight alternate requirements
- Fuel monitoring
- ETOPS sector entry
- Decision making

LEARNING TIME AND RUN TIME

This course has a learning time of: (run time plus additional time per page to account for understanding learning points)

- 50 min (EASA / FAA)

This course has a run time of: (the base time for each page to be completed)

- 24 min (EASA / FAA)

Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	EASA Questions	FAA Questions
Concepts	3	3
Definitions	6	7
ETOPS Planning Considerations	7	7
In-Flight Considerations	4	4
	20	21

REFERENCE MATERIAL

The Pelesys Extended Twin-Engine Operations Course provides pilots and operators with information in support of ETOPS. It is based on information outlined in:

ICAO

- Doc 7030

EASA

- SPA.MNPS.100
- SPA.MNPS.105
- MNPS and the procedures governing their application are published in the Regional Supplementary Procedures and National AIPs

FAA

- AC 91-70B
- AC 120-42B

- FAR 121 APP
- FAR 121 Sub H
- FAR 121 Sub U
- FAR 121.135
- FAR 121.624
- FAR 121.625
- FAR 121.631
- FAR 121.633
- FAR 121.646
- FAR 121.687
- FAR 121.7
- FAR 121.99
- FAR 25 Sub G
- FAR 25 Sub L
- FAR 25-1535

The operator remains responsible for obtaining approval from the regulatory authority.

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