King Schools Online
Internet Learning Programs

EXTENDED RANGE OPERATIONS (ETOPS) FOR PART 135 OPERATORS

Flight Crew Certification Course

SYLLABUS

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Extended-range Twin-engine Operational Performance Standards (ETOPS) for Part 135

Pilot Training Syllabus

INTRODUCTION

This online course provides off-the-shelf introductory and refresher training information for Part 135 flight operations at extended ranges from adequate airfields. Pilots completing this course will be ready for airplane and company specific academic, simulator and flight training in extended over-water or polar operations. This course:

- Meets an industry need for the 15 February 2008 Part 135 ETOPS implementation
- Is a standalone module that fits into a comprehensive Part 135 training package
- Can be used as part of a company's training plan to help satisfy the requirements of 14CFR135.345(a)(8) (initial training) and §135.351 (recurrent training) if included in the operations specifications and approved by the Principal Operations Inspector (POI)
- Is not airplane or operator specific
- Is offered only through individual Internet study

COURSE ELEMENTS AND STRUCTURE

The King Schools Online ETOPS Course contains three major subject areas (Labs) with two or more distinct Lessons per Lab. Following each Lesson's study materials, the pilot sees a quiz containing multiple-choice and/or True/False questions. There are approximately 20 questions in the course. Most pilots will require approximately one hour to complete this course.

COMPLETION STANDARDS

Lesson completion requires accessing each lesson page of study materials and correctly answering all questions in the quiz associated with that Lesson. An individual Lab is finished after completing all of the Lessons contained in that Lab. Pilots complete the course when all the Labs are checked off with a completion date on the course main menu.

CERTIFICATE OF COMPLETION

A Completion Certificate and logbook endorsement individualized for the pilot enrolled in the Course may be accessed at the "Print Course Completion Certificate" icon on the main menu only after the entire course has been completed. Pilots clicking the "Print Course Completion Certificate" icon before the Course has been completed receive a message saying that the certificate and endorsement will be available after the entire course is completed.

ENROLLMENT PROCEDURES

A pilot may individually order and enroll in the course, or flight departments may order multiple courses and receive a "key" for each course ordered. The flight department then assigns a key to each pilot requiring training. Each pilot registers individually at *https://ilearn.kingschools.com* for the course.

COURSE STUDY

The pilot first enrolls in the course, and then logs in to access the course Labs and Lessons. If the pilot has insufficient time to complete the course in one session, the pilot may log out. The

program records all Lesson and Lab completions and every question answered. When returning to the course, the pilot may resume at the last point of progress.

LAB 1

WHAT ETOPS IS

LESSONS

1 An Overview of ETOPS for Part 135 Operations

Lesson Objective: To learn the definition of ETOPS and get an overview of general ETOPS concepts.

2 How ETOPS Applies to Part 135 Operations

Lesson Objective: To learn ETOPS criteria for passenger and cargo operations and when ETOPS criteria apply.

3 What Airports Qualify as Adequate Airports

Lesson Objective: To learn airfield requirements for ETOPS use.

LAB 2

ETOPS OPERATIONAL REQUIREMENTS

LESSON

1 General Requirements for ETOPS

Lesson Objective: To learn general operational requirements for ETOPS including required training, dispatch requirements and ETOPS entry requirements.

2 Limitations Based on Time-Limited Airplane Systems

Lesson Objective: To learn ETOPS restrictions associated with airplane systems that have time-limited operating criteria.

3 Fuel Requirements

Lesson Objective: To learn additional fuel planning criteria under ETOPS for adequate safety margins when operating at extended ranges from suitable airports, and how rapid decompression or engine failure considerations affect fuel planning.

4 Communications and Navigation Requirements

Lesson Objective: To learn minimum ETOPS communications and navigation requirements when operating at extended ranges from communications facilities.

LAB 3

ETOPS AIRPLANE AND MAINTENANCE REQUIREMENTS

LESSONS

1 Airplane Requirements

Lesson Objective: To become familiar with ETOPS airplane requirements and qualification methods.

2 Maintenance Program Requirements

Lesson Objective: To become familiar with ETOPS maintenance program requirements and procedures.

3 Reporting Requirements

Lesson Objective: To become familiar with expanded ETOPS maintenance program reporting requirements.