**King Schools Online
Internet Learning Programs**

ADS-B Pilot Training for International Operations

COURSE SYLLABUS

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ADS-B Pilot Certification for International Operations
Course Syllabus

INTRODUCTION

The King Schools Online ADS-B Pilot Certification Course meets the general pilot training requirements established in FAA AC 90-114 and EASA AMC 20-24 for pilot certification. This course:

- Provides an overview of ADS-B
- Covers requirements for aircraft and pilot certification for ADS-B in international operations and operations in U.S. domestic airspace.
- Provides required pilot generic academic training for ADS-B authorization
- Provides instruction on In-Trail Procedures (ITP) in oceanic airspace
- Must be used in conjunction with company and equipment specific pilot training
- May be used for both initial and recurrent training in U.S. Part 91, Part 125, or Part 135 operations
- Is offered only through individual Internet study
- Is efficient and practical

COURSE ELEMENTS AND STRUCTURE

The King Schools Online ADS-B Pilot Certification Course contains five 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 50 questions in the course. Most pilots will require at least three hours to complete this course.

COMPLETION STANDARDS

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

CERTIFICATE OF COMPLETION

A Completion Certificate individualized for the pilot enrolled in the course and a logbook endorsement may be accessed at the "Print Your Course Complete Materials and Endorsement" 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 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

UNDERSTANDING ADS-B

LESSONS

1   **What ADS-B Is**

Lesson Objective: To understand the principles of ADS-B.

2   **How You Will Use ADS-B**

Lesson Objective: To learn how ADS-B will be used for Air Traffic Control (ATC) and Air Traffic Services (ATS)

LAB 2

ADS-B AUTHORIZATION REQUIREMENTS

<u>LESSONS</u>

1   Aircraft Certification for ADS-B

<u>Lesson Objective</u>: To know the specific airworthiness requirements for the aircraft.

2   Operational Authorization for ADS-B

<u>Lesson Objective</u>: To understand the requirements for obtaining operational approval for ADS-B flights in airspace outside the United States.

LAB 3

ADS-B IN INTERNATIONAL OPERATIONS

LESSONS

1 International ADS-B Service Areas and Requirements

Lesson Objective: To know where ADS-B is implemented, and unique requirements for specific areas.

2 International ADS-B Flight Plans and Phraseology

Lesson Objective: To learn area-specific ADS-B phraseology and how to indicate ADS-B capabilities on your flight plan.

LAB 4

OCEANIC AIRSPACE IN-TRAIL PROCEDURE (ITP)

LESSONS

1   **In-Trail Procedure (ITP) Operations**

<u>Lesson Objective</u>: To become familiar with the oceanic in-trail procedure, including normal and contingency operations.

2   **In-Trail Procedure (ITP) Authorization**

<u>Lesson Objective</u>: To understand the authorization requirements for pilots and aircraft to conduct ITP.

LAB 5

ADS-B OPERATIONS IN U.S. AIRSPACE

<u>**LESSONS**</u>

1   U.S ADS-B Requirements

<u>Lesson Objective</u>: To learn when ADS-B will be required in the U.S., and the aircraft certification requirements as well as the information pilots need to know.

2   Flying with ADS-B in the U.S.

<u>Lesson Objective</u>: To understand the differences between the authorized ADS-B frequency bands, the equipment available, the services provided, and the airspace that will require ADS-B OUT capabilities