

**King Schools Online
Internet Learning Programs**

Part 135 Recurrency (A)

Pilot Training Course

SYLLABUS

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Part 135 Recurrency (A)

(Part 135 Indoc)

Pilot Training Syllabus

INTRODUCTION

The King Schools Online Part 135 Pilot Recurrency Training Course meets the general pilot training requirements established by the FAA in 14 CFR Part 135.345 for pilot qualification. This course:

- Provides an overview of general knowledge required for Part 135 operations
- Covers requirements for pilot qualifications in Part 135 operations
- Provides required pilot general academic training required by Part 135.329
- Provides testing of subjects covered as required by Part 135.293
- Must be used in conjunction with company- and equipment-specific pilot training
- Is designed specifically for recurrent training
- Is offered only through individual Internet study
- Is efficient and practical

COURSE ELEMENTS AND STRUCTURE

The King Schools Online Part 135 Recurrency Pilot Qualification Course contains eight 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 130 questions in the course. Most pilots will require at least 16 hours to complete this course for recurrent training.

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 correctly answering 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 Course Completion Certificate and Logbook 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 www.kingschoolsonline.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

AN OVERVIEW OF COMMERCIAL AIR OPERATIONS

LESSONS

1 **Who is Required to Follow Part 135?**

Lesson Objective: To learn the definition of commercial air operations and the applicability of Part 119 and 135, and understand the difference between Part 121 and 135 operations.

2 **Additional Terms and Definitions**

Lesson Objective: To learn specific definitions for various pilot positions, aircraft and types of operation as they apply to Part 135 and commercial air operations.

3 **The Difference between Commuter and On-demand Operations**

Lesson Objective: To learn the basic differences between commuter and on-demand operations under Part 135.

4 **Eligible On-demand Operations**

Lesson Objective: To learn the specific conditions and requirements for eligible on-demand operations under Part 135.

LAB 2

FLIGHT CREWMEMBER REQUIREMENTS [135.345(a)(10)]

LESSONS

1 Certificate and Hour Requirements for Part 135 Pilots (135.343)

Lesson Objective: To learn the ratings and experience requirements to fly VFR, IFR and eligible on-demand operations under Part 135. You will also understand the medical certificate requirements for various pilot certificates.

2 ATP Certificate or Type Rating Requirements

Lesson Objective: To learn when an ATP certificate and type ratings are required for Part 135 operations.

3 PIC Qualifications for High Altitude and Category II Operations

Lesson Objective: To learn the special qualification requirements for the pilot in command for high altitude and Category II ILS operations under Part 135.

4 Commuter PIC Operating Experience

Lesson Objective: To learn the additional requirements to serve as pilot in command on commuter operations under Part 135.244.

5 Second In Command (SIC) Qualifications

Lesson Objective: To learn the required qualifications to serve as second in command in Part 135 operations as stated in 135.245, including when a SIC type rating is required.

6 Initial and Recurrent Pilot Testing Requirements

Lesson Objective: To learn the testing and flight check requirements to become a Part 135 pilot, and how to maintain that qualification.

LAB 3

ARE YOU READY TO BE DISPATCHED?

LESSONS

1 **Required Rest (Part 135, Subpart F)**

Lesson Objective: To learn the rest requirements and duty limitations for both commuter and on-demand operations under Part 135. This lesson includes a summary of the differences between commuter and on-demand operations for rest time and duty time.

2 **Drugs and Alcohol**

Lesson Objective: To learn the restrictions on the use of drugs and alcohol, and the requirement for Department of Transportation drug testing.

3 **Required Pilot Documents, and Replacement and Temporary Certificates (61.3 & 61.29)**

Lesson Objective: To review the documents required to act as a flight crewmember and provide information on how to get temporary and replacement documents if needed.

4 **Recent Flight Experience**

Lesson Objective: To learn the requirements to log experience and basic landing currency. Also to review how to maintain currency for IFR operations.

5 **Crew Pairing – Eligible On-Demand Operations (135.4)**

Lesson Objective: To learn the specific minimum qualifications for the pilot in command and second in command when conducting eligible on-demand operations for Part 135.

LAB 4

WEIGHT AND BALANCE PROCEDURES [(135.345(a)(2))]

LESSONS

1 **Determining Aircraft Weight and Balance (135.85)**

Lesson Objective: To learn the requirements for determining aircraft weight and balance for Part 135 operations, including the use of actual, standard or segmented passenger weights.

2 **Load Manifest Form (135.63(c))**

Lesson Objective: To learn when a load manifest must be prepared, and the retention requirements for the form.

3 **Are you Carrying Passengers or Cargo?**

Lesson Objective: To learn the definition of a passenger for Part 135 operations. Also to learn when passenger briefings must be given and the information required in a passenger briefing, including the use of seat belts, emergency evacuation and exit seating rules. This lesson also covers on-board medical oxygen, weapons, portable electronic devices, alcoholic beverages, interference with crewmembers, and carry-on baggage.

4 **Are You Carrying HAZardous MATerials (HAZMAT) (Part 135, Subpart K)**

Lesson Objective: To learn the difference between will-carry and will-not-carry HAZMAT operations, and the training required for each.

LAB 5

AIRCRAFT EQUIPMENT REQUIREMENTS [(135.345(a)(10))]

LESSONS

1 Inoperable Instruments and Equipment (Minimum Equipment List)(91.213, 135.179)

Lesson Objective: To learn the minimum equipment requirements. Also to learn when a Minimum Equipment List (MEL) is required, and the use of a Nonessential Equipment and Furnishings (NEF) list.

2 Special Flight Permit (91.213(e))

Lesson Objective: To learn when a special flight permit is required and how it is obtained.

3 TCAS, TAWS, and GPWS (135.180, 91.221, 135.154, 91.223, and 135.153)

Lesson Objective: To learn the requirements for Traffic Alert and Collision Avoidance Systems (TCAS), Terrain Awareness and Warning Systems (TAWS), and Ground Proximity Warning Systems (GPWS).

4 Airborne Thunderstorm Detection Equipment (135.173, 135.175)

Lesson Objective: To learn the requirements and exceptions for on-board weather and storm detection equipment.

5 Oxygen Equipment Requirements (135.89, 135.157)

Lesson Objective: To learn the requirements for on-board oxygen equipment and when oxygen is required for pilots and passengers in pressurized and unpressurized aircraft.

6 Fire Extinguishers (135.55)

Lesson Objective: To learn the requirements for on-board fire extinguishers and the minimum individual training required.

LAB 6

AIRCRAFT EQUIPMENT REQUIREMENTS FOR SPECIFIC OPERATIONS

LESSONS

- 1 Required Equipment for Visual Flight Rules (VFR)(135.159, 135.161)**
Lesson Objective: To learn the minimum equipment requirements for Part 135 operations under VFR.
- 2 Required Equipment for Instrument Flight Rules (IFR)(135.163)**
Lesson Objective: To learn the minimum equipment requirements for Part 135 operations under IFR.
- 3 Equipment Required for IFR or Extended Overwater Operations (135.165)**
Lesson Objective: To learn the additional communication and navigation equipment requirements for IFR and extended overwater operations.
- 4 Emergency Equipment Required for Extended Overwater Operations (135.167, 135.183)**
Lesson Objective: To learn the required on-board emergency equipment for extended overwater and north polar operations.
- 5 Emergency Equipment for Aircraft with More than 19 Passenger Seats (135.177)**
Lesson Objective: To learn the additional emergency equipment requirements for aircraft with more than 19 seats.

LAB 7

METEOROLOGY REVIEW [135.345(a)(3)]

LESSONS

1 **Frontal Systems**

Lesson Objective: To review the basic characteristics of weather fronts and air masses.

2 **Icing**

Lesson Objective: To review icing conditions and the hazard posed by icing on the ground and in-flight.

3 **Fog and Ground Operations**

Lesson Objective: To review the conditions that form different types of fog, and to learn about low visibility taxi plans and considerations.

4 **Thunderstorms**

Lesson Objective: To review how thunderstorms form and methods of thunderstorm avoidance, including the use of on-board weather radar and NEXRAD.

5 **Turbulence**

Lesson Objective: To review what the primary causes of turbulence and how to deal with it.

6 **Wind Shear**

Lesson Objective: To review what causes wind shear, understand more about wind shear detection equipment, and review how wind shear affects airplanes and how to deal with it.

7 **High Altitude Weather**

Lesson Objective: To review high-altitude weather phenomena including the jet stream and its potential associated turbulence, and the effects of temperature. You will also review how to obtain and read high-altitude weather products.

LAB 8

SEVERE WEATHER OPERATIONS [135.345(b)(6)(i)&(ii)]

LESSONS

1 **Recognizing and Avoiding Severe Weather Situations**

Lesson Objective: To review the definition of severe weather situations, and to explore the resources available to the pilot to avoid severe weather.

2 **Escaping from Severe Weather Situations**

Lesson Objective: To review exit strategies for inadvertent encounters with severe weather.

3 **Contingency Actions for Severe Weather Encounters**

Lesson Objective: To review pilot actions when severe weather affects your ability to maintain assigned clearances.