III.A. Certificates and Documents

References: 14 CFR parts 23, 43, 61, 67, 91; FAA-H-8083-3; POH/AFM

Objectives The student should develop knowledge of the elements related to certificates and documents. Knowledge will be gained regarding the necessary requirements for each license, medical certificate, and recent flight experience.

Elements
1. Training Requirements
2. Privileges and Limitations
3. Medical Certificates
4. Recent Flight Experience Requirements
5. Required Logbook Entries

Schedule
1. Discuss Objectives
2. Review material
3. Development
4. Conclusion

Equipment
1. White board and markers
2. References

IP’s Actions
1. Discuss lesson objectives
2. Present Lecture
3. Ask and Answer Questions
4. Assign homework

SP’s Actions
1. Participate in discussion
2. Take notes
3. Ask and respond to questions

Completion Standards The student knows what to expect with each license issued and understands the requirements in logging time as well as obtaining a medical.
Instructors Notes:

Introduction:
Attention
Understanding what is required with each certificate and document that a pilot may obtain is essential to obtaining that certificate.

Overview
Review Objectives and Elements/Key ideas

What
Certificates and Documents cover the knowledge necessary to obtain and maintain the recreational, private, and commercial license. This also covers medical certificates and required logbook entries.

Why
Each certificate and medical has different rules. The pilot therefore should know what is required to obtain and maintain the desired certificate as well as the privileges and limitations associated with it. It is also necessary to know how medical certificates work and what training must be logged.

How:
1. Training Requirements
   A. Recreational Certificate (61.99)
      i. Must receive and log at least 30 hours of flight time that includes at least:
         a. 15 hours from an authorized instructor in the areas listed in 61.98 that consists of at least:
            • 2 hours of training en route to an airport more than 25 nm from the airport where the applicant normally trains and includes at least 3 takeoffs and landings at the destination
            • 3 hours of flight training for the rating sought in preparation of the practical test (within the preceding 2 calendar months of the test)
            • 3 hours of solo flying
   B. Private Certificate (61.109)
      i. For an airplane single engine rating
         a. Must log at least 40 hours of flight time
            • At least 20 of which must be flight instruction from an authorized instructor
            • At least 10 hours must be solo flight including:
               a. 5 hours of solo cross-country time
               b. One solo cross country flight of at least 150 nm total distance with full stop landings at a minimum of 3 points and one segment of the flight consisting of a straight line distance of at least 50 nm between the T/O and LDG locations
               c. 3 T/Os and LDGs to a full stop at an airport with an operating control tower
         b. The training must include at least:
            • 3 hours cross-country flight training in a single engine plane
            • 3 hours of night flight training which includes:
               a. Once cross-country flight over 100 nm total distance
               b. 10 T/Os and LDGs to a full stop at an airport
            • 3 hours of flight training on the control/maneuvering solely by reference to instruments
            • 3 hours of flight training in prep for the practical test (within 60 days)
      ii. For an airplane multiengine rating the same requirements apply but in a multiengine airplane
III.A. Certificates and Documents

a. Except, the 10 hours of solo time must be in an airplane

C. Commercial Certificate (61.129)
   i. For an airplane single engine rating
      a. Must log at least 250 hours of flight time as a pilot that consists of at least:
         • 100 hours in powered aircraft, 50 hours of which must be in airplanes
         • 100 hours of PIC flight time, which includes at least:
            a. 50 hours in airplanes; and
            b. 50 hours in cross-country flight of which at least 10 hours must be in airplanes
         • 20 hours of training in the areas of operation (61.127(b)(1)) that includes at least:
            a. 10 hrs of instrument training of which at least 5 hrs must be in a single engine airplane
            b. 10 hrs of training in an airplane that has retractable gear, flaps, and a controllable pitch propeller, or is turbine powered
            c. One cross-country flight of at least 2 hours in a SE airplane in day VFR conditions
               1. The total straight line distance must be more than 100 nm
            d. One cross-country flight of at least 2 hours in a SE airplane in night VFR conditions
               1. The total straight line distance must be more than 100 nm
            e. 3 hrs in a SE airplane in prep for the practical test (within 60 days)
         • 10 hrs of solo flight time in a SE on the areas of operation in 61.127 which includes at least:
            a. One cross-country flight not less than 300 nm total distance with landings at a min of 3 points, one of which is a straight line distance of at least 250 nm
            b. 5 hrs in night VFR conditions with 10 T/Os and LDGs with an operating control tower
   ii. For an airplane multiengine rating
      a. The same as the single engine rating but with ME airplane requirements instead of SE

2. Privileges and Limitations

   A. Recreational Certificate (61.101)
      i. A person who holds a recreational pilot certificate may:
         a. Carry no more than one passenger; and
         b. Not pay less than the pro rata share of the operating expenses of a flight with a passenger,
            provided the expenses involve only fuel, oil, airport expenses, or aircraft rental fees
      ii. With less than 400 flight hours, and has not logged PIC in an aircraft within the preceding 180 days
          shall not act as PIC until receiving flight training and an endorsement certifying PIC proficiency

   B. Private Pilot (61.113)
      i. May not act as PIC of an aircraft carrying passengers or property for compensation or hire
      ii. May act as PIC for compensation/hire if incidental to the business and no passengers or property
      iii. May not pay less than the pro rata share of the operating expenses of a flight provided the expenses involve only fuel, oil, airport expenditures, or rental fees
      iv. May be reimbursed for operating expenses directly related to search and location operations
      v. May act as PIC for a charitable, nonprofit, or community event (91.146)
      vi. May be reimbursed for operating expenses directly related to search and rescue
      vii. May demonstrate an aircraft to a potential buyer if have over 200 hrs and are an aircraft salesman
      viii. May act as PIC of an aircraft towing a glider (under 61.69)
      ix. May not act as PIC for comp/hire as SIC of an aircraft type certificated for more than 1 pilot or act as SIC for an aircraft carrying persons/property for comp/hire

   C. Commercial
      i. Privileges
         a. May act as PIC of an aircraft carrying persons or property for compensation/hire
         b. May act as PIC of an aircraft for compensation/hire
II. Limitations
   a. Without an instrument rating in the same category and class
      • The carriage of passengers for hire on x-country flights over 50 nm or at night is prohibited

3. Medical Certificates
   A. Class and Duration
      i. First Class
         a. When exercising the privileges of an ATP certificate
         b. Expires the end of the last day of the:
            • 6th month for 1st class activities
            • 12th month for 2nd class activities
            • 24th month for 3rd class activities (over 40 years old)
            • 60th month for 3rd class activities (under 40 years old)
      ii. Second Class
         a. When exercising the privileges of a Commercial certificate
         b. Expires the end of the last day of the:
            • 12th month for 2nd class activities
            • 24th month for 3rd class activities (over 40 years old)
            • 60th month for 3rd class activities (under 40 years old)
      iii. Third Class
         a. When exercising the privileges of a CFI, Private, Recreational, Student certificate, etc.
         b. Expires the end of the last day of the:
            • 24th month (over 40 years old)
            • 60th month (under 40 years old)

4. Recent Flight Experience Requirements
   A. Pilot in Command
      i. To carry passengers, a pilot must have made 3 T/Os and LDGs within the preceding 90 days, and
         a. Acted as the sole manipulator of the flight controls in the same category, class, type aircraft
      ii. To carry passengers, 1 hr after sunset to 1 hr before sunrise, a pilot must have 3 T/Os and LDGs within the preceding 90 days to a full stop during that time period, and
         a. Acted as the sole manipulator of the flight controls in the same category, class, type aircraft
      ii. For IFR conditions, within the preceding 6 months, you must have performed and logged at least
         a. 6 instrument approaches, holding procedures, and intercepting/tracking courses
            • A person who does not meet these reqs within the prescribed time or within 6 calendar months after it, must take an IPC to serve as PIC
   B. Flight Reviews
      i. No person may act as PIC unless, within the preceding 24 calendar months he has
         a. Accomplished a flight review and received a log book endorsement certifying it was completed
      ii. Consists of a MINIMUM of 1 hour of flight training and 1 hour of ground training and must include:
         a. A review of the current general operating rules and flight rules of Part 91 and a review of those maneuvers that are necessary for the pilot to demonstrate the safe exercise of the certificate

5. Required Logbook Entries
   A. Must document and record training and aeronautical experience used to meet the requirements for a certificate, rating, or review
      i. In the logbook, you must enter
         a. General,
III.A. Certificates and Documents

- Date, Total flight/lesson time; location of departure/arrival (for a sim, the location where the lesson occurred); type and identification of aircraft, sim, or training device; and the name of the safety pilot (if necessary)

b. Type of pilot experience or training
   - Solo, PIC, SIC, Flight and ground training received, training in a sim or flight training device

c. Conditions of Flight
   - Day/Night, Actual Instrument, Simulated Instrument in flight or a sim/FTD

Conclusion:
Brief review of the main points
Each certificate and medical has different rules. It is therefore important to know what is required to obtain and maintain the desired certificate as well as the privileges and limitations associated with it. It is also necessary to know how medical certificates work and what training must be logged.

PTS Requirements:
To determine that the applicant exhibits instructional knowledge of the elements related to certificates and documents by describing:
   1. The training requirements for the issuance of recreational, private, and commercial pilot certificates.
   2. The privileges and limitations of pilot certificates and ratings at recreational, private, and commercial levels.
   3. Class and duration of medical certificates.
   4. Recent pilot flight experience requirements.
   5. Required entries in pilot logbook or flight record.