

**SUBPART 141J**  
**Aircraft Type Rating Course, for other than an Airline Transport Pilot Licence**

**TSH141J.111 Applicability:**

This appendix prescribes the minimum curriculum for an aircraft type rating course other than an airline transport pilot licence, for:

- (a) A type rating in an airplane category -- single-engine class.
- (b) A type rating in an airplane category -- multiengine class.
- (c) A type rating in a category -- helicopter class.
- (d) Other aircraft type ratings specified by the ECAA through the aircraft type certificate procedures.

**TSH141J.113 Eligibility for enrollment:**

Prior to enrolling in the flight portion of an aircraft type rating course, a person must hold at least a private pilot licence and:

- (a) An instrument rating in the category and class of aircraft that is appropriate to the aircraft type rating for which the course applies, provided the aircraft's type certificate does not have a VFR limitation; or
- (b) Be concurrently enrolled in an instrument rating course in the category and class of aircraft that is appropriate to the aircraft type rating for which the course applies, and pass the required instrument rating practical test concurrently with the aircraft type rating practical test.

**TSH141J.115 Aeronautical knowledge training:**

- (a) Each approved course must include at least 10 hours of ground training on the aeronautical knowledge areas listed in paragraph (b) of this section, appropriate to the aircraft type rating for which the course applies.
- (b) Ground training must include the following aeronautical areas:
  - (1) Proper control of airspeed, configuration, direction, altitude, and attitude in accordance with procedures and limitations contained in the aircraft's flight manual, checklists, or other approved material appropriate to the aircraft type;
  - (2) Compliance with approved en route, instrument approach, missed approach, ATC, or other applicable procedures that apply to the aircraft type;
  - (3) Subjects requiring a practical knowledge of the aircraft type and its powerplants, systems, components, operational, and performance factors;
  - (4) The aircraft's normal, abnormal, and emergency procedures, and the operations and limitations relating thereto;
  - (5) Appropriate provisions of the approved aircraft's flight manual;
    - (6) Location of and purpose for inspecting each item on the aircraft's checklist that relates to the exterior and interior preflight; and
  - (7) Use of the aircraft's pre-start checklist, appropriate control system checks, starting procedures, radio and electronic equipment checks, and the selection of proper navigation and communication radio facilities and frequencies.

**TSH141J.117 Flight training:**

- (a) Each approved course must include at least:
  - (1) Flight training on the approved areas of operation of paragraph (c) of this section in the aircraft type for which the course applies; and
  - (2) 10 hours of training of which at least 5 hours must be instrument training in the aircraft for which the course applies.
- (b) For the use of flight simulators or flight training devices:

- (1) The course may include training in a flight simulator or flight training device, provided it is representative of the aircraft for which the course is approved, meets requirements of this paragraph, and the training is given by an authorized instructor.
  - (2) Training in a flight simulator that meets the requirements of § 141.41(a) of this Part, may be credited for a maximum of 50 percent of the total flight training hour requirements of the approved course, or of this section, whichever is less.
  - (3) Training in a flight training device that meets the requirements of § 141.41(b) of this Part, may be credited for a maximum of 25 percent of the total flight training hour requirements of the approved course, or of this section, whichever is less.
  - (4) Training in the flight simulators or flight training devices described in paragraphs (b)(2) and (b)(3) of this section, if used in combination, may be credited for a maximum of 50 percent of the total flight training hour requirements of the approved course, or of this section, whichever is less. However, credit training in a flight training device that meets the requirements of § 141.41(b) cannot exceed the limitation provided for in paragraph (b)(3) of this section.
- (c) Each approved course must include the flight training on the areas of operation listed in this paragraph, that are appropriate to the aircraft category and class rating for which the course applies:
- (1) A type rating for an airplane -- single-engine course:
    - (i) Preflight preparation;
    - (ii) Preflight procedures;
    - (iii) Takeoff and departure phase;
    - (iv) In-flight maneuvers;
    - (v) Instrument procedures;
    - (vi) Landings and approaches to landings;
    - (vii) Normal and abnormal procedures;
    - (viii) Emergency procedures; and
    - (ix) Postflight procedures.
  - (2) A type rating for an airplane -- multiengine course:
    - (i) Preflight preparation;
    - (ii) Preflight procedures;
    - (iii) Takeoff and departure phase;
    - (iv) In-flight maneuvers;
    - (v) Instrument procedures;
    - (vi) Landings and approaches to landings;
    - (vii) Normal and abnormal procedures;
    - (viii) Emergency procedures; and
    - (ix) Postflight procedures.
  - (3) A type rating for a rotorcraft -- helicopter course:
    - (i) Preflight preparation;
    - (ii) Preflight procedures;
    - (iii) Takeoff and departure phase;
    - (iv) In-flight maneuvers;
    - (v) Instrument procedures;
    - (vi) Landings and approaches to landings;
    - (vii) Normal and abnormal procedures;
    - (viii) Emergency procedures; and
    - (ix) Postflight procedures.
  - (4) Other aircraft type ratings specified by the ECAA through aircraft type certificate procedures:

- (i) Preflight preparation;
- (ii) Preflight procedures;
- (iii) Takeoff and departure phase;
- (iv) In-flight maneuvers;
- (v) Instrument procedures;
- (vi) Landings and approaches to landings;
- (vii) Normal and abnormal procedures;
- (viii) Emergency procedures; and
- (ix) Postflight procedures.

**TSH141J.119 Stage checks and end-of-course tests:**

- (a) Each student enrolled in an aircraft type rating course must satisfactorily accomplish the stage checks and end-of-course tests, in accordance with the school's approved training course, consisting of the approved areas of operation that are appropriate to the aircraft type rating for which the course applies at the airline transport pilot certificate level; and
- (b) Each student must demonstrate satisfactory proficiency prior to receiving an endorsement to operate an aircraft in solo flight