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(xii) Postflight procedures.

(2) For a multiengine airplane course: (i) Preflight preparation:

(ii) Preflight procedures;

(iii) Airport and seaplane base operations;

(iv) Takeoffs, landings, and go-arounds;

(v) Performance maneuvers;

(vi) Ground reference maneuvers:

(vii) Navigation;

(viii) Slow flight and stalls:

(ix) Basic instrument maneuvers;

(x) Emergency operations:

(xi) Multiengine operations;

(xii) Night operations: and

(xiii) Postflight procedures.

(3) For a rotorcraft helicopter course: (i) Preflight preparation;

(ii) Preflight procedures;

(iii) Airport and heliport operations:

(iv) Hovering maneuvers;

(v) Takeoffs, landings, and go-arounds:

(vi) Performance maneuvers;

(vii) Navigation:

(viii) Emergency operations:

(ix) Night operations: and

(x) Postflight procedures.

(4) For a rotorcraft gyroplane course: (i) Preflight preparation;

(ii) Preflight procedures:

(iii) Airport operations:

(iv) Takeoffs, landings, and go-arounds;

(v) Performance maneuvers:

(vi) Ground reference maneuvers:

(vii) Navigation:

(viii) Flight at slow airspeeds;

(ix) Emergency operations:

(x) Night operations: and

(xi) Postflight procedures.

(5) For a powered-lift course: (i) Preflight preparation;

(ii) Preflight procedures;

(iii) Airport and heliport operations;

(iv) Hovering maneuvers:

(v) Takeoffs, landings, and go-arounds;

(vi) Performance maneuvers:

(vii) Ground reference maneuvers;

(viii) Navigation;

(ix) Slow flight and stalls;

(x) Basic instrument maneuvers;

(xi) Emergency operations:

(xii) Night operations; and

(xiii) Postflight procedures.

(6) For a glider course: (i) Preflight preparation:

(ii) Preflight procedures:

(iii) Airport and gliderport operations;

(iv) Launches/tows, as appropriate, and

landings:

(v) Performance speeds;

(vi) Soaring techniques;

(vii) Performance maneuvers;

(viii) Navigation:

(ix) Slow flight and stalls;

(x) Emergency operations: and

(xi) Postflight procedures.

(7) For a lighter-than-air airship course: (i) Preflight preparation;

(ii) Preflight procedures: (iii) Airport operations;

(iv) Takeoffs, landings, and go-arounds;

(v) Performance maneuvers;

(vi) Ground reference maneuvers;

(vii) Navigation;

(viii) Emergency operations; and (ix) Postflight procedures.

(8) For a lighter-than-air balloon course: (i)

Preflight preparation;

(ii) Preflight procedures:

(iii) Airport operations;

(iv) Launches and landings:

(v) Performance maneuvers;

(vi) Navigation;

(vii) Emergency operations; and

(viii) Postflight procedures.

5. Solo flight training. Each approved course must include at least the following solo flight training:

(a) For an airplane single-engine course: 5 hours of solo flight training in a single-engine airplane on the approved areas of operation in paragraph (d)(1) of section No. 4 of this appendix that includes at least-

(1) One solo 100 nautical miles cross country flight with landings at a minimum of three points and one segment of the flight consisting of a straight-line distance of more than 50 nautical miles between the takeoff and landing locations; and

(2) Three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower.

(b) For an airplane multiengine course: 5 hours of flight training in a multiengine airplane performing the duties of a pilot in command while under the supervision of a certificated flight instructor. The training must consist of the approved areas of operation in paragraph (d)(2) of section No. 4 of this appendix, and include at least-

(1) One 100 nautical miles cross country flight with landings at a minimum of three points and one segment of the flight consisting of a straight-line distance of more than 50 nautical miles between the takeoff and landing locations; and

(2) Three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower.

(c) For a rotorcraft helicopter course: 5 hours of solo flight training in a helicopter on the approved areas of operation in paragraph (d)(3) of section No. 4 of this appendix that includes at least-

(1) One solo 100 nautical miles cross country flight with landings at a minimum of three points and one segment of the flight consisting of a straight-line distance of more than 25 nautical miles between the takeoff and landing locations; and

(2) Three takeoffs and three landings to a full stop (with each landing involving a