(1) Instruction in emergency assignments and procedures, including coordination among crewmembers.

(2) Individual instruction in the location, function, and operation of emergency equipment including—
   (i) Equipment used in ditching and evacuation;
   (ii) First aid equipment and its proper use; and
   (iii) Portable fire extinguishers, with emphasis on the type of extinguisher to be used on different classes of fires.

(3) Instruction in the handling of emergency situations including—
   (i) Rapid decompression;
   (ii) Fire in flight or on the surface and smoke control procedures with emphasis on electrical equipment and related circuit breakers found in cabin areas;
   (iii) Ditching and evacuation;
   (iv) Illness, injury, or other abnormal situations involving passengers or crewmembers; and
   (v) Hijacking and other unusual situations.

(4) Review of the certificate holder’s previous aircraft accidents and incidents involving actual emergency situations.

(c) Each crewmember must perform at least the following emergency drills, using the proper emergency equipment and procedures, unless the Administrator finds that, for a particular drill, the crewmember can be adequately trained by demonstration:

   (1) Ditching, if applicable.
   (2) Emergency evacuation.
   (3) Fire extinguishing and smoke control.
   (4) Operation and use of emergency exits, including deployment and use of evacuation chutes, if applicable.
   (5) Use of crew and passenger oxygen.
   (6) Removal of life rafts from the aircraft, inflation of the life rafts, use of life lines, and boarding of passengers and crew, if applicable.
   (7) Donning and inflation of life vests and the use of other individual flotation devices, if applicable.

(d) Crewmembers who serve in operations above 25,000 feet must receive instruction in the following:

   (1) Respiration.
   (2) Hypoxia.

(3) Duration of consciousness without supplemental oxygen at altitude.

(4) Gas expansion.

(5) Gas bubble formation.

(6) Physical phenomena and incidents of decompression.

§ 135.335 Approval of aircraft simulators and other training devices.

(a) Training courses using aircraft simulators and other training devices may be included in the certificate holder’s training program if approved by the Administrator.

(b) Each aircraft simulator and other training device that is used in a training course or in checks required under this subpart must meet the following requirements:

   (1) It must be specifically approved for—
       (i) The certificate holder; and
       (ii) The particular maneuver, procedure, or crewmember function involved.

   (2) It must maintain the performance, functional, and other characteristics that are required for approval.

   (3) Additionally, for aircraft simulators, it must be—
       (i) Approved for the type aircraft and, if applicable, the particular variation within type for which the training or check is being conducted; and
       (ii) Modified to conform with any modification to the aircraft being simulated that changes the performance, functional, or other characteristics required for approval.

   (c) A particular aircraft simulator or other training device may be used by more than one certificate holder.

   (d) In granting initial and final approval of training programs or revisions to them, the Administrator considers the training devices, methods and procedures listed in the certificate holder’s curriculum under §135.327.


§ 135.337 Qualifications: Check airmen (aircraft) and check airmen (simulator).

(a) For the purposes of this section and §135.339:

   (1) A check airman (aircraft) is a person who is qualified to conduct flight
§ 135.338 Qualifications: Flight instructors (aircraft) and flight instructors (simulator).

(a) For the purposes of this section and §135.340:

(1) A flight instructor (aircraft) is a person who is qualified to instruct in an aircraft, in a flight simulator, or in a flight training device for a particular type aircraft.

(2) Has satisfactorily completed the appropriate training phases for the aircraft, including recurrent training, that are required to serve as a pilot in command in operations under this part;

(3) Has satisfactorily completed the appropriate proficiency or competency checks that are required to serve as a pilot in command in operations under this part;

(4) Has satisfactorily completed the applicable training requirements of §135.339; and

(5) Has been approved by the Administrator for the check airman (simulator) duties involved.

(b) Completion of the requirements in paragraphs (b) (2), (3), and (4) or (c) (2), (3), and (4) of this section, as applicable, shall be entered in the individual’s training record maintained by the certificate holder.

(2) A check airman (simulator) must accomplish the following—

(1) Fly at least two flight segments as a required crewmember for the type, class, or category aircraft involved within the 12-month preceding the performance of any check airman duty in a flight simulator; or

(2) Satisfactorily complete an approved line-observation program within the period prescribed by that program and that must precede the performance of any check airman duty in a flight simulator.

(c) The flight segments or line-observation program required in paragraph (f) of this section are considered to be completed in the month required if completed in the calendar month before or the calendar month after the month in which they are due.

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