

movement on the surface, for each takeoff, for each landing, and at any other time considered necessary by the pilot in command, a crewmember orally instructs the passengers to fasten their seat belts.

48. Section 121.323(b) and (c) are revised to read as follows:

**§ 121.323 Instruments and equipment for operations at night.**

\* \* \* \* \*

(b) An anti-collision light.

(c) Two landing lights, except that only one landing light is required for nontransport category airplanes type certificated after December 31, 1964.

\* \* \* \* \*

49. Section 121.337 is amended by removing the words "a transport category" from the introductory text in paragraph (b) and adding in its place "an", by adding a heading for paragraph (b)(8), by adding a heading and revising the introductory text of paragraph (b)(9), and by removing paragraph (d) to read as follows:

**§ 121.337 Protective breathing equipment.**

\* \* \* \* \*

(b) \* \* \*

(8) *Smoke and fume protection.* \* \* \*

(9) *Fire combatting.* Except for nontransport category airplanes type certificated after December 31, 1964, protective breathing equipment with a portable breathing gas supply meeting the requirements of this section must be easily accessible and conveniently located for immediate use by crewmembers in combatting fires as follows:

\* \* \* \* \*

50. Section 121.340 is amended by revising paragraph (a) to read as follows:

**§ 121.340 Emergency flotation means.**

(a) Except as provided in paragraph (b) of this section, no person may operate an airplane in any overwater operation unless it is equipped with life preservers in accordance with § 121.339(a)(1) or with an approved flotation means for each occupant. This means must be within easy reach of each seated occupant and must be readily removable from the airplane.

\* \* \* \* \*

51. Section 121.341 is amended by revising paragraph (a) and by adding new paragraphs (c) and (d) to read as follows:

**§ 121.341 Equipment for operations in icing conditions.**

(a) Except as permitted in paragraph (c)(2) of this section, unless an airplane is type certificated under the transport category airworthiness requirements

relating to ice protection, or unless an airplane is a non-transport category airplane type certificated after December 31, 1964, that has the ice protection provisions that meet section 34 of appendix A of part 135 of this chapter, no person may operate an airplane in icing conditions unless it is equipped with means for the prevention or removal of ice on windshields, wings, empennage, propellers, and other parts of the airplane where ice formation will adversely affect the safety of the airplane.

\* \* \* \* \*

(c) *Non-transport category airplanes type certificated after December 31, 1964.* Except for an airplane that has ice protection provisions that meet section 34 of appendix A of part 135 of this chapter, or those for transport category airplane type certification, no person may operate—

(1) Under IFR into known or forecast light or moderate icing conditions;

(2) Under VFR into known light or moderate icing conditions; unless the airplane has functioning deicing anti-icing equipment protecting each propeller, windshield, wing, stabilizing or control surface, and each airspeed, altimeter, rate of climb, or flight attitude instrument system; or

(3) Into known or forecast severe icing conditions.

(d) If current weather reports and briefing information relied upon by the pilot in command indicate that the forecast icing condition that would otherwise prohibit the flight will not be encountered during the flight because of changed weather conditions since the forecast, the restrictions in paragraph (c) of this section based on forecast conditions do not apply.

52. Section 121.342 is revised to read as follows:

**§ 121.342 Pitot heat indication systems.**

No person may operate a transport category airplane or, after December 20, 1999, a nontransport category airplane type certificated after December 31, 1964, that is equipped with a flight instrument pitot heating system unless the airplane is also equipped with an operable pitot heat indication system that complies § 25.1326 of this chapter in effect on April 12, 1978.

53. Section 121.344 is added to read as follows:

**§ 121.344 Flight recorders: Airplanes with a passenger seat configuration of 10–30 passenger seats and a payload capacity of 7,500 pounds or less.**

No person may operate an airplane with a passenger seat configuration of 10–30 passenger seats, excluding each

crewmember seat, and a payload capacity of 7,500 pounds or less unless it meets the requirements for flight recorders in § 135.152 of this chapter. A person operating an airplane with a passenger seat configuration of more than 30 passenger seats, or a payload capacity of more than 7,500 pounds shall comply with § 121.343.

54. Section 121.349 is amended by adding a new paragraph (e) to read as follows:

**§ 121.349 Radio equipment for operations under VFR over routes not navigated by pilotage or for operations under IFR or over-the-top.**

\* \* \* \* \*

(e) No person may operate an airplane having a passenger seat configuration of 10 to 30 seats, excluding each crewmember seat, and a payload of 7,500 pounds or less under IFR or in extended overwater operations unless it has, in addition to any other required radio communications and navigational equipment appropriate to the facilities to be used which are capable of transmitting to, and receiving from, at any place on the route to be flown, at least one ground facility, two microphones, and two headsets or one headset and one speaker.

55. Section 121.353 is amended by revising the heading and the introductory text to read as follows:

**§ 121.353 Emergency equipment for operations over uninhabited terrain areas: Flag, supplemental, and certain domestic operations.**

Unless the airplane has the following equipment, no person may conduct a flag or supplemental operation or a domestic operation within the States of Alaska or Hawaii over an uninhabited area or any other area that (in its operations specifications) the Administrator specifies required equipment for search and rescue in case of an emergency:

\* \* \* \* \*

56. Section 121.356 is amended by revising the introductory text of paragraph (c) to read as follows:

**§ 121.356 Traffic Alert and Collision Avoidance System.**

\* \* \* \* \*

(c) The appropriate manuals required by § 121.131 shall contain the following information on the TCAS II System or TCAS I System, as appropriate, as required by this section:

\* \* \* \* \*

57. Section 121.357 is amended by revising paragraph (a) and introductory text of paragraph (c) and by removing the words "an air carrier or commercial operator" in paragraph (c)(1) and