§ 25.858 Cargo or baggage compartment fire suppression systems.

(a) Cargo and baggage compartment fire suppression system components must meet the requirements of §25.1721.

(b) Cargo or baggage compartment electrical wiring interconnection system components must meet the requirements of §25.1721.

(j) Cargo or baggage compartment electrical wiring interconnection system components must meet the requirements of §25.1721.

§ 25.856 Thermal/Acoustic insulation materials.

(a) Thermal/acoustic insulation material installed in the fuselage must meet the flame propagation test requirements of part VI of Appendix F to this part, or other approved equivalent test requirements. This requirement does not apply to “small parts,” as defined in part I of Appendix F of this part.

(b) For airplanes with a passenger capacity of 20 or greater, thermal/acoustic insulation materials (including the means of fastening the materials to the fuselage) installed in the lower half of the airplane fuselage must meet the flame penetration resistance test requirements of part VII of Appendix F to this part, or other approved equivalent test requirements. This requirement does not apply to thermal/acoustic insulation installations that the FAA finds would not contribute to fire penetration resistance.

§ 25.857 Cargo compartment classification.

(a) Class A; A Class A cargo or baggage compartment is one in which—

1) The presence of a fire would be easily discovered by a crewmember while at his station; and

2) Each part of the compartment is easily accessible in flight.

(b) Class B; A Class B cargo or baggage compartment is one in which—

1) There is sufficient access in flight to enable a crewmember to effectively reach any part of the compartment with the contents of a hand fire extinguisher;

2) When the access provisions are being used, no hazardous quantity of smoke, flames, or extinguishing agent, will enter any compartment occupied by the crew or passengers;

3) There is a separate approved smoke detector or fire detector system to give warning at the pilot or flight engineer station.

(c) Class C; A Class C cargo or baggage compartment is one not meeting the requirements for either a Class A or B compartment but in which—

1) There is a separate approved smoke detector or fire detector system to give warning at the pilot or flight engineer station;

2) There is an approved built-in fire extinguishing or suppression system controllable from the cockpit.

3) There are means to control ventilation and drafts within the compartment so that the extinguishing agent used can control any fire that may start within the compartment.

4) There are means to control ventilation and drafts within the compartment so that the extinguishing agent used can control any fire that may start within the compartment.

5) The required crew emergency exits are accessible under any cargo loading condition.

§ 25.858 Cargo or baggage compartment smoke or fire detection systems.

If certification with cargo or baggage compartment smoke or fire detection systems is required, the smoke or fire detection system must be certified in accordance with the applicable provisions of this section.