

Part 25 AIRWORTHINESS STANDARDS: TRANSPORT CATEGORY AIRPLANES	
Subpart D--Design and Construction	Fire Protection

Sec. 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; and
- (4) [Reserved.]

(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 system controllable from the pilot or flight engineer stations;
- (3) There are means to exclude hazardous quantities of smoke, flames, or extinguishing agent, from any compartment occupied by the crew or passengers;
- (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; and
- (5) [Reserved]

(d) *Class D.* A Class D cargo or baggage compartment is one in which--

- (1) A fire occurring in it will be completely confined without endangering the safety of the airplane or the occupants;
- (2) There are means to exclude hazardous quantities of smoke, flames, or other noxious gases, from any compartment occupied by the crew or passengers.
- (3) Ventilation and drafts are controlled within each compartment so that any fire likely to occur in the compartment will not progress beyond safe limits;
- (4) [Reserved]
- (5) Consideration is given to the effect of heat within the compartment on adjacent critical parts of the airplane.

[(6) The compartment volume does not exceed 1,000 cubic feet.]

For compartments of 500 cu. ft. or less, an airflow of 1500 cu. ft. per hour is acceptable.

(e) *Class E.* A Class E cargo compartment is one on airplanes used only for the carriage of cargo and in which--

(1) [Reserved]

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

(3) There are means to shut off the ventilating airflow to, or within, the compartment, and the controls for these means are accessible to the flight crew in the crew compartment;

(4) There are means to exclude hazardous quantities of smoke, flames, or noxious gases, from the flight crew compartment; and

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

Amdt. 25-60, Eff. 6/16/86