

**Sec. 25.855 (as published 2/1/65 – refer to FAA’s Regulatory and Guidance Library for current regulations)**

Cargo and baggage compartments.

- (a) Each cargo and baggage compartment (including tie-down equipment) must be constructed of materials that are at least flame resistant.
- (b) No compartment may contain any controls, wiring, lines, equipment, or accessories whose damage or failure would affect safe operation, unless those items are protected so that--
  - (1) They cannot be damaged by the movement of cargo in the compartment; and
  - (2) Their breakage or failure will not create a fire hazard.
- (c) There must be means to prevent cargo or baggage from interfering with the functioning of the fire-protective features of the compartment.
- (d) Sources of heat within the compartment must be shielded and insulated to prevent igniting the cargo.
- (e) Cargo compartments must meet one of the class requirements of Sec. 25.857. In addition, flight tests must be conducted to show compliance with the provisions of Sec. 25.857 concerning--
  - (1) Compartment accessibility;
  - (2) The entry of hazardous quantities of smoke or extinguishing agent into compartments occupied by the crew or passengers; and
  - (3) The dissipation of the extinguishing agent in Class C compartments.

During these tests, it must be shown that no inadvertent operation of smoke or fire detectors in any compartment would occur as a result of fire contained in any one compartment, either during or after extinguishment, unless the extinguishing system floods each such compartment simultaneously.