

Sec. 25.863

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

Sec. 25.863

Flammable fluid fire protection.

[(a) In each area where flammable fluids or vapors might escape by leakage of a fluid system, there must be means to minimize the probability of ignition of the fluids and vapors, and the resultant hazards if ignition does occur.]

(b) Compliance with paragraph (a) of this section must be shown by analysis or tests, and the following factors must be considered:

- (1) Possible sources and paths of fluid leakage, and means of detecting leakage.
- (2) Flammability characteristics of fluids, including effects of any combustible or absorbing materials.
- (3) Possible ignition sources, including electrical faults, overheating of equipment, and malfunctioning of protective devices.
- (4) Means available for controlling or extinguishing a fire, such a stopping flow of fluids, shutting down equipment, fire-proof containment, or use of extinguishing agents.
- (5) Ability of airplane components that are critical to safety of flight to withstand fire and heat.

(c) If action by the flight crew is required to prevent or counteract a fluid fire (e.g. equipment shutdown or actuation of a fire extinguisher) quick acting means must be provided to alert the crew.

[(d) Each area where flammable fluids or vapors might escape by leakage of a fluid system must be identified and defined.]

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