

which a portion of the flight is conducted beyond a time threshold identified in part 121 or part 135 of this chapter that is determined using an approved one-engine-inoperative cruise speed under standard atmospheric conditions in still air.

*Extended over-water operation* means—

(1) With respect to aircraft other than helicopters, an operation over water at a horizontal distance of more than 50 nautical miles from the nearest shoreline; and

(2) With respect to helicopters, an operation over water at a horizontal distance of more than 50 nautical miles from the nearest shoreline and more than 50 nautical miles from an off-shore heliport structure.

*External load* means a load that is carried, or extends, outside of the aircraft fuselage.

*External-load attaching means* means the structural components used to attach an external load to an aircraft, including external-load containers, the backup structure at the attachment points, and any quick-release device used to jettison the external load.

*Final approach fix (FAF)* defines the beginning of the final approach segment and the point where final segment descent may begin.

*Final takeoff speed* means the speed of the airplane that exists at the end of the takeoff path in the en route configuration with one engine inoperative.

*Fireproof—*

(1) With respect to materials and parts used to confine fire in a designated fire zone, means the capacity to withstand at least as well as steel in dimensions appropriate for the purpose for which they are used, the heat produced when there is a severe fire of extended duration in that zone; and

(2) With respect to other materials and parts, means the capacity to withstand the heat associated with fire at least as well as steel in dimensions appropriate for the purpose for which they are used.

*Fire resistant—*

(1) With respect to sheet or structural members means the capacity to withstand the heat associated with fire at least as well as aluminum alloy in dimensions appropriate for the purpose for which they are used; and

(2) With respect to fluid-carrying lines, fluid system parts, wiring, air ducts, fittings, and powerplant controls, means the capacity to perform the intended functions under the heat and other conditions likely to occur when there is a fire at the place concerned.

*Flame resistant* means not susceptible to combustion to the point of propagating a flame, beyond safe limits, after the ignition source is removed.

*Flammable*, with respect to a fluid or gas, means susceptible to igniting readily or to exploding.

*Flap extended speed* means the highest speed permissible with wing flaps in a prescribed extended position.

*Flash resistant* means not susceptible to burning violently when ignited.

*Flightcrew member* means a pilot, flight engineer, or flight navigator assigned to duty in an aircraft during flight time.

*Flight level* means a level of constant atmospheric pressure related to a reference datum of 29.92 inches of mercury. Each is stated in three digits that represent hundreds of feet. For example, flight level 250 represents a barometric altimeter indication of 25,000 feet; flight level 255, an indication of 25,500 feet.

*Flight plan* means specified information, relating to the intended flight of an aircraft, that is filed orally or in writing with air traffic control.

*Flight simulation training device (FSTD)* means a full flight simulator or a flight training device.

*Flight time* means:

(1) Pilot time that commences when an aircraft moves under its own power for the purpose of flight and ends when the aircraft comes to rest after landing; or

(2) For a glider without self-launch capability, pilot time that commences when the glider is towed for the purpose of flight and ends when the glider comes to rest after landing.

*Flight training device (FTD)* means a replica of aircraft instruments, equipment, panels, and controls in an open flight deck area or an enclosed aircraft cockpit replica. It includes the equipment and computer programs necessary to represent aircraft (or set of aircraft) operations in ground and