

## **FIRE PRECAUTION REQUIREMENTS**

### **1. EQUIPMENT**

For the fire precaution, it is necessary for all the Myanmar Registered aircraft to comply with the followings;

- 1.1. Each engine, auxiliary power unit, fuel burning heater, or other item of combustion equipment that is intended for operation in flight must be isolated from the rest of the airplane by means of firewalls or shrouds or by other equivalent means. Each firewall and shroud must-
  - 1.1.1. Be so made that no hazardous quantity of air, fluids or flame can pass from the engine or auxiliary power unit compartment to the other parts of the airplane.
  - 1.1.2. Have all openings in the firewall or shroud sealed with close-fitting fireproof grommets, bushings or firewall fittings.
  - 1.1.3. Be made of fireproof material: and
  - 1.1.4. Be protected against corrosion.
- 1.2. Designated fire zones must be protected from fire. Designated fire zones are-
  - 1.2.1. Engine accessory sections.
  - 1.2.2. Installations where no isolation is provided between the engine and accessory compartment, and
  - 1.2.3. Areas that contain auxiliary power units, fuel-burning heaters and other combustion equipment.
- 1.3. No tanks or reservoirs that are a part of a system containing flammable fluids or gas may be located in designated fire zones, except where the fluid contained the design of the system, the materials used in the tank, the shutoff means and the connections, lines and controls provide equivalent safety.
- 1.4. At least one-half inch of clear airspace must be provided between any tank or reservoir and firewall or shroud isolating a designated fire zone.
- 1.5. Each engine must have a means for shutting off or otherwise preventing hazardous amounts of fuel, oil deicer and other flammable fluid from flowing into any designated fire zones. Shut off means must be located outside of designated fire zones.
- 1.6. Each line and its fittings, that is located in a designated fire zone, if it carries flammable fluids or gases under pressure or is attached directly to the engine or is subject to relative motion between components must be flexible and fire resistance.
- 1.7. Fire-extinguishing systems must be provided to serve all designated fire zones.
- 1.8. Enough quick-acting fire detectors must be provided in each designated fire zone to assure the detection at any fire that may occur in that zone.

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DEPARTMENT OF CIVIL AVIATION  
**Airworthiness Notices**

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**2. CABIN AND CARGO COMPARTMENT(S)**

The following requirements shall be complied with for the Aerial Work and Transport category aircraft.

- 2.1. Materials used for the crew or passengers must be at least flash resistant.
- 2.2. The wall and ceiling linings and the covering of upholstering, floors and furnishings must be flame resistant.
- 2.3. Each compartment must be designed so that, when used for storing cargo or baggage, it meets the following requirements.
  - 2.3.1. No compartment may include controls, wiring, lines equipment, or accessories that would upon damage or failure, affect the safe operation of the airplane unless the item is adequately shield, isolated or otherwise protected so that it cannot be damaged by movement of cargo in the compartment and so that damage to or failure of the item would not create a fire hazard in the compartment.
  - 2.3.2. Cargo or baggage may not interfere with the functioning of the fire protective features of the compartment.
  - 2.3.3. Materials used in the construction of the compartments, including tie-down equipment, must be at least flame resistant.
  - 2.3.4. There must be a hand fire extinguisher available for each compartment.