T/13

POWER SUPPLY SYSTEMS FOR AIRCRAFT RADIO INSTALLATIONS

1. This Notice draws attention to the dangers of operation of aircraft in which the entire radio installation was supplied via a single electrical feeder circuit, and states that certificates of airworthiness will not be issued or renewed in respect of aircraft in the transport category and of multi-engined aircraft in any category certificated with such systems.
2. The electrical feeder arrangements shall be such that:
   (a) Where more than one radio system is installed, no likely single failure (e.g. fuse or a relay) will result in the loss of all radio systems;
   Note: It is strongly recommended that such a failure should only result in the loss of one radio system.
   (b) Where duplicate radio systems, or radio systems which can duplicate a function, are installed, no likely single failure (e.g. a fuse or a relay) will result in the loss of both systems.
3. In examining electrical feeder arrangements to establish compliance with paragraph 2, the examination for likely single failures should include:
   (a) the mechanical and electrical aspects of the supply circuit, including the return path of the electrical supply;
   (b) the location within the electrical circuit of fuses, circuit breakers and power switching relays, their physical location in the aircraft and the manner in which they are interconnected;
   (c) panels for integrated control of radio systems, audio integration systems, and dimmer control equipment for electronic displays.