

GROUND OPERATION OF AIRCRAFT RADAR EQUIPMENT

1. The requirements of this Notice shall apply to all radar equipment with a nominal peak power output rating in excess of 25 kW.
2. During all ground operation, including testing and maintenance of aircraft radar equipment, the operator or person in charge of such equipment shall ensure the following:
 - 2.1. The equipment is not energized in its normal mode (antenna rotating and radar transmitter operative) unless the sector area scanned by the radar beam is clear of the following objects to a distance of 40 meters from the antenna:
 - (a) aircraft being re-fuelled or de-fuelled;
 - (b) fuel tankers, fuel tanks or fuel storage areas;
 - (c) persons or cargo;
 - (d) any other aircraft or aircraft hangar.

Note: For each radar installation the sector area should be defined in terms of readily distinguishable dimensions preferably related to some feature of the aircraft and should appear in the aircraft maintenance manual.

- 2.2. The equipment is not energized with the antenna stationary when the radar transmitter is operative and the antenna directed towards any of the objects specified in paragraph 2.1 unless the distance separating them from the antenna is in excess of 70 meters.
- 2.3. The distance specified in paragraphs 2.1 and 2.2 may be reduced by 75 per cent when the DCA approved beam attenuating device is used between the antenna and any object specified in paragraph 2.1.
- 2.4. The equipment is not energized in any radiating mode of operation when the aircraft in which the equipment is fitted is in a hangar or other enclosure unless a suitable microwave energy absorbing shield is fitted over the antenna.
- 2.5. The equipment is not operated in any aircraft during fuelling operations.

Note: During all testing of aircraft radar equipment the beam should, whenever possible, be directed with maximum upward tilt toward a clear area.