# IFR Radio Navigation Equipment when in Controlled Airspace

**2 Scale of Equipment Required – A, E1 and F**

Aircraft and Circumstances of flight

1. All aircraft (other than gliders) within the United Kingdom:
2. when flying under Instrument Flight Rules within controlled airspace
3. when flying within controlled airspace
4. when making an approach to landing at an aerodrome notified for the purpose of this sub-paragraph

**3** (2) An aircraft which is not a public transport aircraft and which is flying in Class D or Class E airspace shall not be required to be provided with distance measuring equipment in accordance with paragraph (b) of Scale F when flying in the circumstances specified in sub-paragraph (1)(a) of paragraph 2.

4 The scales of radio and radio navigation equipment indicated in the foregoing Table shall be as follows:

**Scale A**

Radio equipment capable of maintaining direct two-way communication with the appropriate aeronautical radio stations.

**Scale E1**

Secondary surveillance radar equipment which includes a pressure altitude reporting transponder capable of operating in Mode A and Mode C and is capable of being operated in accordance with such instructions as may be given to the aircraft by the air traffic control unit.

**Scale F**

Radio communication and radio navigation equipment capable of enabling the aircraft to be navigated along the intended route including:

(a) automatic direction finding equipment;

(b) distance measuring equipment and

(c) VHF omni-range equipment.

**Scale G**

Radio navigation equipment capable of enabling the aircraft to make an approach to landing using the Instrument Landing System.