

JAR 25.777 Cockpit controls

(a) Each cockpit control must be located to provide convenient operation and to prevent confusion and inadvertent operation. (See ACJ 25.777 (a).)

(b) The direction of movement of cockpit controls must meet the requirements of JAR 25 .779.

Wherever practicable, the sense of motion involved in the operation of other controls must correspond to the sense of the effect of the operation upon the aeroplane or upon the part operated. Controls of a variable nature, using a rotary motion must move clockwise from the off position, through an increasing range, to the full on position.

(c) The controls must be located and arranged, with respect to the pilots' seats, so that there is full and unrestricted movement of each control without interference from the cockpit structure or the clothing of the minimum flight crew (established under JAR 25.1523) when any member of this flight crew from 5'2" to 6'3" in height, is seated with the seat belt and shoulder harness fastened. Where an inertia reel is fitted to the shoulder harness to satisfy this paragraph, the reel must be of an approved type.

(d) Identical powerplant controls for each engine must be located to prevent confusion as to the engines they control.

(e) Wing-flap controls and other auxiliary lift device controls must be located on top of the pedestal, aft of the throttles, centrally or to the right of the pedestal centre line, and an adequate distance aft of the landing gear control having regard to the size and complexity of the cockpit. (See ACJ 25.777 (e).)

(f) The landing gear control must be located forward of the throttles and must be operable by each pilot when seated with harness fastened.

(g) Control knobs must be so shaped as to prevent confusion. The knobs must be of the same colour and this colour must contrast with the colour of control knobs for other purposes and the surrounding cockpit. (See ACJ 25.777 (g).)

(h) If a flight engineer is required as part of the minimum flight crew (established under JAR 25.1523), the aeroplane must have a flight engineer station located and arranged so that the flight-crew members can perform their functions efficiently and without interfering with each other.