- 620

# ISO

#### INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION

### R 440

#### SHAPE, SIZE AND DIRECTION OF OPERATION

#### OF LEVER CONTROLS ON AIRCRAFT

1st EDITION April 1969

Withdrawn in 1982

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#### **BRIEF HISTORY**

The ISO Recommendation R 440, Shape, size and direction of operation of lever controls on aircraft, was drawn up by Technical Committee ISO/TC 20, Aircraft and space vehicles, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of a Draft ISO Recommendation.

In May 1960, this Draft ISO Recommendation (No. 369) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Belgium Canada Chile Colombia Czechoslovakia Greece Israel Italy Japan Netherlands New Zealand Romania Spain Sweden United Kingdom Yugoslavia

One Member Body opposed the approval of the Draft :

#### Germany

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in April 1969, to accept it as an ISO RECOMMENDATION.

		ISO/R 440
ISO Recommendation	R 440	April 1969
2		
SHAPE, SIZE	AND DIRECTION OF OPERATI	ON
OF LEV	ER CONTROLS ON AIRCRAFT	
Q		
1. In general, the direction of energian	of aircraft lever controls should be in a	accordance with the principl
	f controls tends to increase the performa	
aircraft.		
knob or handle of the lever should app	ere actuated by a lever, the shape and gene roximate closely to those indicated in Tabl	
operation of the lever should also comp	by with that indicated in Table 1.	
Throttle control		
Mixture control	See page 4	
Engine supercharger control	0, 1	
Air intake control		
R.P.M. control		
Ignition	See page 5	
Fuel shut-off		
Emergency shut off and		
Emergency shut-off and fire extinguisher control		
Air brake	> See page 6	
Landing flaps control		
Parachute brake		
Spoiler	See page 7	
Landing gear control		
	ncluded in Table 1, the control knobs or h	andles of the lever should be
of a shape different from those shown	in Table 1.	4
	and the should be been structure at the	
4. Where braking propellers are fitted, op closed" position to give progressively g	eration should be by pulling the throttle ba	ick past normal "throttle
closed position to give progressively g	icator icverse unust.	

- 5. Operation of a trimming device by levers should result in movement of the aircraft in the same direction. Operation by rotary control should be in accordance with Table 2. e direc.
- 6. Only emergency controls should be coloured red.