

User Activities:  
Army -  
Navy -  
Air Force -

Review Activities:  
Army -  
Navy -  
Air Force -

SWITCH, TOGGLE, 4-POSITION ON, CENTER OFF  
FUNCTION: TRIM  
EXAMPLE: CYCLIC TRIM CONTROL, PITCH & ROLL

SWITCH, PUSHBUTTON  
FUNCTION: DISENGAGE, AFCS\*  
EXAMPLES: (1) STABILIZATION SYSTEM  
(2) AUTO PILOT  
(3) SAS\*

SWITCH, TYPE OPTIONAL  
FUNCTION: OPTIONAL  
EXAMPLES: (1) WEAPON SYSTEM  
(2) OTHER APPROPRIATE FUNCTIONS,  
SEE MIL-STD-250

SWITCH, SENSITIVE, MOMENTARY  
FUNCTION: RADIO/ICS\*  
EXAMPLES: (1) RADIO TRANSMISSION  
(2) ICS TRANSMISSION

SWITCH, PUSHBUTTON, MOMENTARY  
FUNCTION: CARGO HOOK RELEASE  
EXAMPLE: NORMAL RELEASE OF CARGO

SWITCH, PUSHBUTTON, MOMENTARY  
FUNCTION: MOMENTARY DISENGAGE, AFCS\*  
EXAMPLES: (1) FORCE TRIM  
(2) STICK-CENTERING  
(3) STABILIZATION SYSTEM  
(4) AUTO PILOT SYSTEM

SWITCH, TRIGGER, GUARDED, 2-POSITION ON, FORWARD OFF  
FUNCTION: WEAPON FIRING  
EXAMPLE: 1st POSITION - LOW RATE  
2nd POSITION - HIGH RATE

STANDARD ARRANGEMENT AND FUNCTIONS OF SWITCHES

- \*AFCS - Automatic Flight Control System
- \*ICS - Intercommunication System
- \*SAS - Stability Augmentation System

NOTES:

1. GRIP DESIGN AND COMPONENT INSTALLATION SHALL BE IN ACCORDANCE WITH MIL-G-58087(AV).
- \*\*2. INTERNATIONAL STANDARDIZATION: CERTAIN PROVISIONS OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENTS (ASCC AIR STD 10/15, LOCATION, ACTUATION AND SHAPE OF ALL AIR FRAME CONTROLS OTHER THAN PRIMARY FLYING CONTROLS AND ASCC AIR STD 10/22, SERVICES OPERABLE FROM STICK GRIP IN BOTH FIXED WING AND ROTARY WING AIRCRAFT). WHEN AMENDMENT, REVISION, OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL AFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE THE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.
3. THIS STANDARD IS FOR DESIGN AND NOT TO BE USED AS A PART NUMBER.
4. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

**(A)** Entire standard revised

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

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| P.A.<br>ARMY - AV<br>Other Cust<br>AF - II<br>NAVY - AS | INTERNATL<br>INTEREST | TITLE  | MILITARY STANDARD |
|   | **                    | SWITCHES (ARRANGEMENT AND FUNCTIONS)<br>GRIP ASSEMBLY, CYCLIC CONTROLLER,<br>FOR INSTALLATION IN HELICOPTERS | <b>MS 87017</b>   |
| PROCUREMENT SPECIFICATION                               | SUPERSEDES:           | SHEET  | OF                |

PROJECT NO. 1520-0018  
APPROVED 25 OCT 68  
REVISED 18 JAN 71