

MIL-s-17000 /lo(sH)  
2 May 1983

## MILITARY SPECIFICATION SHEET

SWITCHING EQUIPMENT, COMBAT SYSTEM, COMMAND AND CONTROL,  
FIRE CONTROL, AND INTERIOR COMMUNICATION SWITCHBOARD,  
SURFACE SHIP, DECK-MOUNTED (TERMINAL BOARD CONNECTED),  
**TYPE X**

This specification sheet is approved for use by the Naval-Sea Systems ,  
Command, Department of the Navy, and is available for use by all  
Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the switchboard described herein shall  
consist of this document and the latest issue of MIL-S-17000.

### REQUIREMENTS:

**Switchboard section arrangement:** Each switchboard section shall be arranged  
as shown on Drawing 802-5727190. The front section shall provide space for  
panel-mounted assemblies mounted on a door hinged on one side and latched on  
the other. The back section shall contain eight modules.

**Size:** Size of the switchboard section shall be as shown on Drawing  
802-5727190.

**Mounting:** Switchboard enclosure shall be provided with mounting bolt  
clearance holes as shown on Drawing 802-5727190.

**Modules:** Back section modules shall be arranged and mounted as shown on  
Drawing 802-5727190. Top module (module A) shall contain 12 connector receptacles  
in accordance with MIL-C-28748/9 (part number M28748/09FON01A) for connection  
of intersection wiring between sections. The seven lower modules (modules B  
through H) shall contain 18 terminal boards (type 7TB12) conforming to  
MIL-T-55164/13 and three connectors (part number M28748/09FoN01A) conforming  
to MIL-C-28748/9. Only wiring for active circuits from the back of the terminal  
boards to the module connector receptacles shall be installed. The front of  
the type 7TB12 terminal boards shall be reserved for ship wiring. Intersection  
wiring between modules in different sections shall be connected between the  
backs of the type 7TB12 terminal boards on the lower modules and the connector  
receptacles on the top (A) module. The plugs of the lower module connectors  
shall connect to the switchboard section's flexible wiring harness. These  
modules shall be spaced 1-inch minimum apart. The horizontal edges of these  
modules shall be covered with insulation to prevent chafing of ship wiring.

FSC 1290

MIL-S-17000/10( SH)

Connector receptacles: Connector receptacles on the seven lower modules (modules B through H) shall be mounted at an angle of 15 degrees to minimize possible interference with wiring harness on the back of the door.

Module, connector receptacles? and terminal board designation: Modules shall be identified by their respective section numbers and shall be numbered as shown on Drawing 802-5727190.

Panel-mounted assemblies: Switchboard shall use standard panel-mounted assemblies as specified in MIL-STD-1657.

Arrangement: Arrangement and types of switches, fuses, -circuit breakers and lights shall be as specified in the acquisition technical data packages

Preparing activity:  
Navy - **SH**  
(Project 1290-N386)

**INSTRUCTIONS:** In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

**NOTE:** This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

(Fold along this line)

(Fold along this line)

DEPARTMENT OF THE NAVY



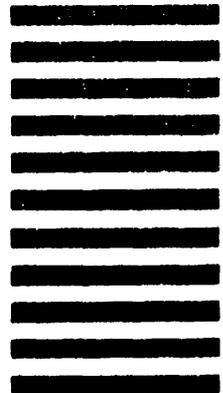
NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

**OFFICIAL BUSINESS**  
PENALTY FOR PRIVATE USE \$300

**BUSINESS REPLY MAIL**  
FIRST CLASS PERMIT NO. 12503 WASHINGTON D. C.

POSTAGE WILL BE PAID BY THE DEPARTMENT OF THE NAVY

Commander  
Naval Sea Systems Command (SEA 55z3)  
DOD Standardization Program and Documents  
Division  
Department of the Navy  
Washington, DC 20362



**STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL***(See Instructions – Reverse Side)***1. DOCUMENT NUMBER****2. DOCUMENT TITLE****3a. NAME OF SUBMITTING ORGANIZATION****4. TYPE OF ORGANIZATION (Mark one)** **VENDOR** **USER** **MANUFACTURER** **OTHER (Specify):** \_\_\_\_\_**b. ADDRESS (Street, City, State, ZIP Code)****5. PROBLEM AREAS****a. Paragraph Number and Wording:****b. Recommended Wording:****c. Reason/Rationale for Recommendation:****6. REMARKS****7a. NAME OF SUBMITTER (Last, First, MI) – Optional****b. WORK TELEPHONE NUMBER (Include Area Code) – Optional****c. MAILING ADDRESS (Street, City, State, ZIP Code) – Optional****8. DATE OF SUBMISSION (YYMMDD)**

(TO DETACH THIS FORM, CUT ALONG THIS LINE.)