

MIL-STD-1399 (NAVY)  
SECTION 593 - Part 2  
26 July 1978

MILITARY STANDARD  
INTERFACE STANDARD FOR SHIPBOARD SYSTEMS  
SECTION 593 - PART 2  
SEWAGE/WASTE WATER DISPOSAL FOR SUBMARINES

This Military Standard is approved for use by the Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

1. GENERAL AND SCOPE

1.1 General. The policies and procedures established by DOD-STD-1399 are mandatory. This section and the basic standard are to be viewed as an integral document.

1.2 Scope. This section establishes interface requirements for the standard connectors used on submarines for sanitary tank discharge to a receiving facility to ensure compatibility at the interface.

2. REFERENCED DOCUMENTS

2.1 Issues of documents. The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this standard to the extent specified herein.

SPECIFICATION

MILITARY  
MIL-H-20176 - Hose and Hose Assembly, Rubber, Smooth Bore, Light-Weight Sewage Discharge and Oily Waste Discharge.

STANDARD

MILITARY  
MS27019 - Coupling Assembly, Quick Disconnect, Cam-Locking Type.

(Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 Requirements. The specific interface constraints established herein are mandatory - see section 4 "Requirements" of DOD-STD-1399.

4. INTERFACE CHARACTERISTICS AND CONSTRAINTS

4.1 Submarine interface characteristics and constraints. Connections for discharging sanitary wastes from a submarine to a receiving facility shall be capable of quick and reliable operation and be uniform for all Navy submarines as follows:

- (a) Submarine interface discharge connection shall be 2.5 inch male half cam-lock type quick disconnect coupling in accordance with MS27019.
- (b) A 2.5 inch sewage discharge hose with a female fitting at the shipboard interface shall be provided by the receiving facility and shall be in accordance with MIL-H-20176, type I, size 2.5.

5. DEVIATIONS

5.1 Deviations. If it is deemed necessary to deviate from the characteristics and constraints specified herein the provisions of section 6, "Deviations" of DOD-STD-1399 shall be complied with. Requests for deviations shall be submitted to the Naval Sea Systems' Command with copies to:

- (a) Program/Project manager.
- (b) NAVSEC 6159.

Review activity:  
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