

SECTION 593 - Part 1  
 26 July 1978  
 SUPERSEDING  
 MIL-STD-1399 (NAVY)  
 SECTION 108  
 27 April 1973

MILITARY STANDARD  
 INTERFACE STANDARD FOR SHIPBOARD SYSTEMS  
 SECTION 593 - PART 1  
 SEWAGE/WASTE WATER DISPOSAL FOR SURFACE SHIPS

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 single document.

1.2 Scope. This section establishes interface requirements for the standard connectors used on surface ships for the discharge of sewage/waste water 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.

DRAWING

MILITARY  
 NAVSHIPS 810-444650 - Sewage Discharge Connections, Surface Ship.

(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 Surface ship interface characteristics and constraints. Connections for discharging sewage/waste water from a ship to a receiving facility shall be capable of quick and reliable operation and be uniform for all Navy surface ships as follows:

- (a) Surface ship discharge connection shall be in accordance with Drawing 810-444650.
- (b) Sewage discharge hose with fittings shall be provided by the receiving facility and shall be in accordance with MIL-H-20176, type I, size 4. A female end is required to mate with the male ship interface.

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:  
 YD

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