

MIL-V-24624(SH)

3 November 1983

## MILITARY SPECIFICATION

VALVES, BUTTERFLY, WAFER AND LUG STYLE,  
SHIPBOARD SERVICE

This specification 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.

## 1. SCOPE

1.1 Scope. This specification describes wafer and lug style butterfly valves for shipboard service.

1.2 Classification. Valves shall be of the following styles and types as specified (see 6.2.1):

Style A - Wafer.

Style B - Lug.

Type I - Corrosion resistant steel, synthetic seated, fire resistant.

Type II - Corrosion resistant steel, metal seated.

Type III - Non-ferrous, synthetic seated, fire resistant.

Type IV - Non-ferrous, metal seated.

## 2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. Unless otherwise specified, the following specifications and standards of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this specification to the extent specified herein.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Sea Systems Command, SEA 5523, Department of the Navy, Washington, DC 20362 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

FSC 4820

## MIL-V-24624(SH)

## SPECIFICATIONS

## FEDERAL

- QQ-C-465 - Copper-Aluminum Alloys (Aluminum Bronze) (Copper Alloy Numbers 606, 614, 630, 632M, and 642); Rod, Flat Products With Finished Edges (Flat Wire, Strip, and Bar), Shapes, and Forgings.
- QQ-N-281 - Nickel-Copper Alloy Bar, Rod, Plate, Sheet, Strip, Wire, Forgings, and Structural and Special Shaped Sections.
- QQ-N-286 - Nickel-Copper-Aluminum Alloy, Wrought (UNS N05500 and N05502).
- QQ-N-288 - Nickel-Copper Alloy and Nickel-Copper-Silicon Alloy Castings.

## MILITARY

- MIL-V-3 - Valves, Fittings, and Flanges (Except for Systems Indicated Herein); Packaging of.
- MIL-S-901 - Shock Tests, H.I. (High-Impact); Shipboard Machinery, Equipment and Systems, Requirements for.
- MIL-T-5624 - Turbine Fuel, Aviation, Grades JP-4 and JP-5.
- MIL-P-15024 - Plates, Tags and Bands for Identification of Equipment.
- MIL-P-15024/5 - Plates, Identification.
- MIL-F-16884 - Fuel, Naval Distillate.
- MIL-B-24480 - Bronze, Nickel-Aluminum Castings, for Seawater Service.

## STANDARD

## MILITARY

- MIL-STD-167-1 - Mechanical Vibrations of Shipboard Equipment (Type I - Environmental and Type II - Internally Excited).
- MIL-STD-278 - Fabrication Welding and Inspection; and Casting Inspection and Repair for Machinery, Piping and Pressure Vessels in Ships of the United States Navy.

2.1.2 Government drawings. The following Government drawings form a part of this specification to the extent specified herein.

## DRAWINGS

## NAVAL SEA SYSTEMS COMMAND (NAVSEA)

NAVSHIPS 803-1385620 - Handwheels for Valves.

NAVSHIPS 810-1385892 - Flanges, Bronze, With Butterfly Valve.

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

## MIL-V-24624(SH)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. The issues of the documents which are indicated as DoD adopted shall be the issue listed in the current DoDISS and the supplement thereto, if applicable.

## AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

- B16.5 - Pipe Flanges and Flanged Fittings. (DoD adopted)
- B16.34 - Valves - Flanged and Butt welding End Steel, Nickel Alloy, and Other Special Alloys. (DoD adopted)
- B18.2.1 - Square and Hex Bolts and Screws Inch Series Including Hex Cap Screws and Lag Screws. (DoD adopted)

(Application for copies should be addressed to the American National Standards Institute, 1430 Broadway, New York, NY 10018.)

## AMERICAN PETROLEUM INSTITUTE (API)

- STD 607 - Fire Test for Soft-Seated Ball Valves.

(Application for copies should be addressed to the American Petroleum Institute, 2101 L Street, NW, Washington, DC 20037.)

## ASTM

- A 276 - Stainless and Heat-Resisting Steel Bars and Shapes.
- A 479 - Stainless and Heat-Resisting Steel Wire, Bars, and Shapes for Use in Boilers and Other Pressure Vessels. (DoD adopted)
- A 564 - Hot-Rolled and Cold-Finished Age-Hardening Stainless and Heat-Resisting Steel Bars, Wire, and Shapes.
- B 61 - Steam or Valve Bronze Castings. (DoD adopted)
- B 62 - Composition Bronze or Ounce Metal Castings. (DoD adopted)
- B 164 - Nickel-Copper Alloy Rod and Bar. (DoD adopted)

(Application for copies should be addressed to ASTM, 1916 Race Street, Philadelphia, PA 19103.)

## INSTRUMENT SOCIETY OF AMERICA (ISA)

- S75.02 - Control Valve Capacity Test Procedure.

(Application for copies should be addressed to the Instrument Society of America, P.O. Box 12277, Research Triangle Park, NC 27709.)

## FLUID CONTROLS INSTITUTE (FCI)

- 70-2 - Control Valve Seat Leakage.

(Application for copies should be addressed to the Fluid Controls Institute, P.O. Box 3854, Tequesta, FL 33458.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

## MIL-V-24624(SH)

## 3. REQUIREMENTS

3.1 Qualification. Valves furnished under this specification shall be products which are qualified for listing on the applicable qualified products list at the time set for opening of bids (see 4.3 and 6.3).

3.2 Materials. Valve assembly material shall be in accordance with table I.

TABLE I. Valve assembly material.

Name of part	Type I and II material	Type III and IV material
Body	316 corrosion resistant steel	QQ-C-465, alloy 632M MIL-B-24480
Disc	316 corrosion resistant steel	QQ-N-281 QQ-N-288 ASTM B 164
Stem	ASTM A 276, type XM-19 ASTM A 479, type XM-19 ASTM A 564, type 630, hardening condition 1025 or 1075	QQ-N-286
Stem to disc fasteners	ASTM A 276, type XM-19 ASTM A 479, type XM-19 ASTM A 564, type 630, hardening condition 1025 or 1075	QQ-N-286
Other wetted and moving parts	Corrosion resistant steel chosen for strength and galling resistance	MIL-B-24480 ASTM B 61 QQ-N-281 QQ-N-286 QQ-N-288 ASTM B 164 QQ-C-465, alloy 632M
Seat and stem seals	TFE, glass filled TFE, fluoro-carbon, graphitic packing, corrosion resistant steel	TFE, glass filled TFE, fluorocarbon, graphitic packing, nickel-copper (Ni-Cu)
Actuator parts exposed to atmosphere	Corrosion resistant steel, steel, ductile iron, nodular iron	ASTM B 61 ASTM B 62 MIL-B-24480 QQ-C-465, alloy 632M
Manual actuator shafts	Corrosion resistant steel	Nickel-copper
Brackets and adapters	Corrosion resistant steel	QQ-C-465, alloy 632M MIL-B-24480 Nickel-copper

## MIL-V-24624(SH)

3.2.1 Recovered materials. Unless otherwise specified herein, all equipment, material, and articles incorporated in the products covered by this specification shall be new and shall be fabricated using materials produced from recovered materials to the maximum extent practicable without jeopardizing the intended use. The term "recovered materials" means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials, as opposed to virgin raw materials. None of the above shall be interpreted to mean that the use of used or rebuilt products is allowed under this specification unless otherwise specifically specified.

3.3 General. Valves shall be in accordance with ANSI B16.34, class 150.

3.3.1 Dimensions. Valve face-to-face dimensions shall be in accordance with table II. Valve size shall be as specified (see 6.2.1).

TABLE II. Valve face-to-face dimensions.

Valve size in inches	Valve face-to-face in inches $\pm$ 1/16 inch
2	1-3/4
2-1/2	1-7/8
3	1-7/8
3-1/2	2
4	2-1/8
5	2-1/4
6	2-1/4
8	2-1/2
10	2-13/16
12	3-3/16
14	3-5/8
16	4
18	4-1/2
20	5
24	6-1/16

3.3.2 Flow capacity. The minimum flow capacity shall be in accordance with table III.

MIL-V-24624(SH)

TABLE III. Minimum flow capacity.

Minimum flow coefficient ( $C_v$ )	
Valve size	$C_v$
2	55
2-1/2	75
3	165
3-1/2	250
4	400
5	600
6	950
8	1800
10	2900
12	4200
14	5800
16	7300
18	9600
20	13,500
24	21,600

3.3.3 Types I and II valves shall be designed for installation between flanges in accordance with ANSI B16.5.

3.3.4 Types III and IV valves shall be designed to be installed between flanges in accordance with Drawing 810-1385892.

3.3.5 Lug style valves shall be provided with tapped holes to permit attachment to mating flanges with fasteners in accordance with 3.5.

3.4 Travel stops. Valves shall include an internal travel stop in the closed position to prevent disc overtravel. The internal stop shall be integrally cast, forged, or welded and shall be a part of the body of the valve. The stop shall be sufficiently rugged to withstand erosion by fluid flow.

3.5 Fasteners. Flange fasteners for lug style valves shall be cap screws in accordance with ANSI B18.2.1. Lug style valves shall have tapped flange holes which provide for thread engagement of fully formed threads to a depth not less than the nominal bolt diameter.

3.5.1 Tapered thread plugs or fasteners shall not be used.

3.6 Seats. Seats shall be designed to seal bi-directionally. Synthetic seats shall include a metal to metal backup seat for fire resistance.

3.6.1 In the closed position of the valve, the seat shall seal over a minimum 5 degree included angle of rotation of the disc for valve size 12 inches and less, and over a 3 degree angle of disc rotation for valve size larger than 12 inches.

3.6.2 Stem and disc assembly shall be double offset design, and shall have a single stuffing box stem seal.

## MIL-V-24624(SH)

3.6.3 Seats shall be replaceable without removing the stem and disc assembly.

3.6.4 Seats shall be either reversible or shall be designed to physically preclude improper installation.

3.6.4.1 The seat retainer shall be contained by a recess in the body of the valve to preclude a potential external leak path through the body and the recess shall be within the flange gasket area. The seat retainer shall be attached to the body of the valve through the face of the retainer. Style B valves shall be designed such that the seat retainer can withstand the rated pressure of the valve in open end connections.

3.6.5 Synthetic seating materials shall be compatible with fuels in accordance with MIL-T-5624 and MIL-F-16884 (see table I).

3.6.6 Synthetic seats shall be designed to provide zero leakage. Metal to metal seats shall have a maximum seat leakage rate of 10 cubic centimeters ( $\text{cm}^3$ ) per inch of nominal size per hour (see 4.3.2).

3.7 Stems. Stems shall be rigidly attached to the disc. Means shall be provided to preclude stem or stem piece expulsion from the body of the valve in the event of part failure. The stem retention device shall be in the body neck or shall be so constructed that it is functional during stem seal replacement and adjustment and cannot be disassembled during stem seal maintenance. This feature shall be independent of the valve actuating mechanism.

3.7.1 Stem packing shall be replaceable without removing the valve from the piping system or removing an actuator from the valve.

3.7.2 Stem seals shall incorporate a fire resistant feature.

3.8 Disc and metal seat facing. The edge of the disc and seat may be coated with abrasion and fouling resistant materials which are compatible with the fuels in 3.6.5 and with seawater or mixtures of seawater and fuel.

3.9 Position indication. Valves shall be provided with a local position indicator which shall be an integral part of the stem section that is exposed to the atmosphere.

3.10 Actuators. Valves shall be actuated by electric or manual actuators. Manual actuators for all size valves shall be enclosed worm gear type. Manual actuator handwheels shall be in accordance with Drawing 803-1385620 when the depicted sizes are used. Actuator materials shall be in accordance with table I. The type of actuator shall be as specified (see 6.2.1). The maximum allowable tangential force required to close the valve, based on handwheel size, shall be in accordance with table IV.

## MIL-V-24624(SH)

TABLE IV. Maximum tangential handwheel force.

Handwheel diameter		Total tangential force on rim of handwheel
Inches		Pounds
Below	5	30
	5	50
	6	72
	7	90
	8	102
	9	114
	10	120
	11	129
	12	135
	14	138
	16	141
	18	144
	21	147
24 and above		150

3.11 Shock resistance. Valves, with actuators installed (gear box or electric), shall withstand the grade A, class I, type C shock test requirements of MIL-S-901.

3.12 Vibration resistance. Valves with actuators installed shall meet the vibration requirements of MIL-STD-167-1.

3.13 Cycle life. Valves shall be designed for a life of 20,000 cycles and shall pass the tests of 4.3.6.

3.14 Fire resistance. Synthetic seated valves shall be subjected to and shall pass the fire test of 4.3.7.

3.15 Welding. Welding shall be in accordance with MIL-STD-278 or American Society of Mechanical Engineers (ASME) practice. Welds shall be free of cracks.

3.16 Marking. Valves shall have the ANSI class, the name or trademark of the manufacturer, and the recommended flow direction arrow cast or forged integrally with the body, or permanently attached to the body.

3.16.1 Identification plate. Valves shall be provided with a permanently attached identification plate in accordance with MIL-P-15024 and MIL-P-15024/5, type A, B, C or D. The identification plate shall contain the following information:

- (a) Manufacturer's name or trademark.
- (b) Valve size and rating.
- (c) Body, trim and seat material.
- (d) Manufacturer's identification number (Federal Supply - Code of Manufacturer (FSCM)).
- (e) MIL-V-24624 (military specification number).
- (f) Component Identification Number (CID).



## MIL-V-24624(SH)

3.17 Drawings. The contractor shall prepare drawings in accordance with the data ordering document (see 6.2.2), and the following unique features shall be included:

- (a) Proportional scaled cross-sectional assembly which clearly depicts the design and construction of the valve, and identification of critical clearances and dry weight.
- (b) Bill of materials listing specification, grade, condition, and any other data required to identify the properties of the materials.
- (c) Detail drawings: Detail drawings shall be furnished of all parts and subassemblies necessary for evaluation of the equipment and parts necessary for maintenance and overhaul of the valve. Details of these parts shall be so complete as to permit emergency manufacture by a Naval ship repair facility without assistance from the original manufacturer. Subassembly parts which cannot be acquired or serviced individually, should be identified as a single part.
- (d) Recommended torque values, or equivalent procedures, for assembling joints and threaded assemblies.
- (e) Tabulation of required gasket characteristics including all dimensions with tolerances, load and compression characteristics with tolerances.
- (f) Certification data sheets shall include the following:
  - (1) Valve specification.
  - (2) Valve type.
  - (3) Valve size.
  - (4) Valve style.
  - (5) Valve class.
  - (6) Manufacturer of electric actuator and approved test reports of shock and vibration tests of the assembly.
- (g) Valve and valve and actuator assemblies with weights of 100 pounds or greater shall indicate the vertical, longitudinal, and transverse location of the center of gravity.

3.18 Manuals. The contractor shall prepare technical manuals in accordance with the data ordering documents (see 6.2.2), and the following unique features shall be included:

- (a) Drawings of the valve including certification data sheet. Drawings shall be supplemented by additional illustrations where necessary to adequately describe operation and maintenance. These additional illustrations may consist of exploded views, partial or full sections, and may eliminate extraneous lines and details to clarify the interaction of parts.
- (b) Detailed disassembly and reassembly procedures. In addition to providing procedures for the complete disassembly and reassembly of the equipment, maintenance and troubleshooting sections shall contain, or refer to, only the limited disassembly and reassembly required to accomplish each particular operation.

## MIL-V-24624(SH)

This is intended to reduce the possibility of unnecessary disassembly and unnecessary disturbance of adjustments when performing specific or limited maintenance or troubleshooting operations.

- (c) Tables listing wrench sizes and torque values or other equivalent procedures for assembling joints and threaded parts.
- (d) Instructions to permit overhaul by Naval ship repair facility. These should include procedures for inspecting critical dimensions subject to wear or change and the acceptable dimensional limits, surface finish condition, and other necessary characteristics.
- (e) Adjustment procedures.

3.19 Special tools. Valves shall be designed so that special tools are not required for installation and maintenance. Special tools are defined as those tools not listed in the Federal Supply Catalog (copies of this catalog may be consulted in the office of the Defense Contract Administration Service Management Area (DCASMA)).

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Inspection system. The contractor shall provide and maintain an inspection system in accordance with the data ordering document included in the contract or order (see 6.2.2).

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

- (a) Qualification inspection (see 4.3).
- (b) Quality conformance inspection (see 4.4).

4.3 Qualification inspection. Qualification inspection shall consist of the examination and tests specified in 4.3.1 through 4.3.8 conducted at a laboratory satisfactory to the Naval Sea Systems Command. Shock, vibration, flow capacity, and life cycle tests shall be conducted using the same valve. Qualification inspection shall be conducted with style A, type I and IV valves. Valve sizes shall be 4, 8, 12, 18, and 24 inches. Successful completion of the tests will allow qualification approval to be extended to the smaller intermediate valve sizes and to type II and type III valves and to style B valves, provided that the geometry of the valve and the actuator assemblies are scaled versions of the tested valves.

## MIL-V-24624(SH)

4.3.1 Visual examination. Valves shall be visually examined to determine conformance to the requirements of section 3.

4.3.2 Pressure tests. Each valve shall be subjected to a body strength and mechanical assembly test at 150 percent of the ambient temperature pressure rating. The test duration shall be 3 minutes minimum. The valve shall be in the open position. No external leakage or weepage is allowed. Following the strength test, the valve seat shall be subjected to 110 percent of the ambient temperature pressure rating in each direction. The leakage rate shall be in accordance with 3.6.6. Duration of the test shall be 1 minute minimum.

4.3.3 Shock. Valves shall be subjected to a shock test to determine conformance with the requirements specified in 3.11.

4.3.4 Vibration. Valves shall be subjected to a vibration test to determine conformance with the requirements specified in 3.12.

4.3.5 Flow capacity test. Flow tests shall be conducted in accordance with ISA S75.02 to determine conformance with 3.3.2. Flow capacities of the intermediate smaller sizes may be extrapolated provided the flow path geometry is a scaled version of the test valve.

4.3.6 Cycle test. Valves shall be subjected to a 20,000 cycle test to determine conformance with the requirements specified in 3.13. Valves shall be tested at the rated pressure at ambient temperature. Type I valves shall close against a flow velocity of 25 feet per second minimum in the connecting pipe. Type IV valves shall close against a flow velocity of 15 feet per second minimum in the connecting pipe. The time of closure for each cycle shall not exceed 35 seconds. At approximately each 1000 cycle interval, the valve shall be set in the approximately 15 percent open position, and the flow shall be throttled for 1 hour minimum to determine seat blowout and erosion resistance. The test fluid shall be clean tap water.

4.3.6.1 During the cycle test, the stem seal may be adjusted. If stem seal replacement is necessary, the cycle time between replacement shall be recorded. Type I valves shall complete the tests with the original seats. Upon completion of the cycle tests, a seat test shall be conducted in accordance with and conform to the acceptance criteria of FCI 70-2, class 4. Type IV valve seat leakage tests shall be conducted at not less than 5000 cycle intervals. The seat test shall be conducted in accordance with and shall conform to the acceptance criteria of FCI 70-2, class 4. Type IV valve seats shall be cycled a minimum of 5000 times before replacement.

4.3.7 Fire tests. Type I valves shall be subjected to and shall pass fire tests in accordance with API 607. Valve seats may be replaced with seats of identical material and design prior to this test.

4.3.8 Tests of valves with electric actuators. When electric actuators are specified for the valves (see 3.10), the shock test (see 4.3.3) and vibration test (see 4.3.4) shall be repeated for the smallest valve and largest actuator combination assembly being qualified. Successful test results shall be extended to combinations of the same actuator mounted on larger valves.

## MIL-V-24624(SH)

4.4 Quality conformance inspection. Quality conformance inspection shall consist of the examination and tests specified in 4.4.1 through 4.4.3. The contractor shall prepare a test report in accordance with the data ordering document included in the contract or order (see 6.2.2).

4.4.1 Visual examination. Each valve shall be visually examined to determine conformance to the requirements of section 3.

4.4.2 Cycle test. Each valve with the actuator shall be cycled a minimum of three times to demonstrate proper functioning of the assembly.

4.4.3 Seat leakage. Each valve with the actuator shall be subjected to the pressure tests of 4.3.2.

4.5 Inspection of packaging. Sample packages and packs, and the inspection of the preservation-packaging, packing and marking for shipment and storage shall be in accordance with the requirements of section 5 and the documents specified therein.

## 5. PACKAGING

(The preparation for delivery requirements specified herein apply only for direct Government acquisition. For the extent of applicability of the preparation for delivery requirements of referenced documents listed in section 2, see 6.5.)

5.1 Preservation-packaging, packing and marking. Valves shall be individually preserved-packaged level A or C, packed level A, B or C as specified (see 6.2.1) and marked in accordance with MIL-V-3.

5.2 Cushioning, dunnage and wrapping materials.

5.2.1 Level A preservation-packaging and levels A and B packing. Use of all types of loose-fill materials for packaging and packing applications such as cushioning, filler or dunnage is prohibited for materials destined for shipboard installation or stowage.

5.2.2 Level C preservation-packaging and packing. When loose fill type materials are used for packaging and packing applications such as cushioning, filler and dunnage, all containers (unit, intermediate and shipping) shall be marked or labelled with the following information:

### "CAUTION

Contents cushioned etc., with loose-fill material. Not to be taken aboard ship. Remove and discard loose-fill material before shipboard stowage. If required, recushion with cellulosic material, bound fiber, fiberboard or transparent flexible cellular material."

5.2.3 Cushioning, filler, dunnage and wrapping materials selected, shall have properties (characteristics) resistant to fire.

## MIL-V-24624(SH)

## 6. NOTES

6.1 Intended use. The valves are intended for use in naval shipboard piping systems.

6.2 Ordering data.

6.2.1 Acquisition requirements. Acquisition documents should specify the following:

- (a) Title, number and date of this specification.
- (b) Style and type required (see 1.2).
- (c) Size required (see 3.3.1).
- (d) Type of actuator required (see 3.10).
- (e) Level of preservation-packaging and packing required (see 5.1).

6.2.2 Data requirements. When this specification is used in an acquisition which incorporates a DD Form 1423, Contract Data Requirements List (CDRL), the data requirements identified below shall be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved CDRL incorporated into the contract. When the provisions of DAR 7-104.9 (n)(2) are invoked and the DD Form 1423 is not used, the data specified below shall be delivered by the contractor in accordance with the contract or purchase order requirements. Deliverable data required by this specification is cited in the following paragraphs.

<u>Paragraph no.</u>	<u>Data requirement title</u>	<u>Applicable DID no.</u>	<u>Option</u>
3.17	Drawings, engineering and associated lists	DI-E-7031	Level 2 Drawing number - contractor Design activity - contractor Certification data sheets - required
3.18	Manual, technical, standard	DI-M-2044	Type I of MIL-M-15071
4.1.1	Inspection system program plan	DI-R-4803	----
4.4	Reports, test	DI-T-2072	10.1.b

(Data item descriptions related to this specification, and identified in section 6 will be approved and listed as such in DoD 5000.19L., Vol. II, AMSDL. Copies of data item descriptions required by the contractors in connection with specific acquisition functions should be obtained from the Naval Publications and Forms Center or as directed by the contracting officer.)

6.2.2.1 The data requirements of 6.2.2 and any task in sections 3, 4, or 5 of this specification required to be performed to meet a data requirement may be waived by the contracting/acquisition activity upon certification by the offeror that identical data were submitted by the offeror and accepted by the

## MIL-V-24624(SH)

Government under a previous contract for identical item acquired to this specification. This does not apply to specific data which may be required for each contract regardless of whether an identical item has been supplied previously (for example, test reports).

6.3 With respect to products requiring qualification, awards will be made only for products which are, at the time set for opening of bids, qualified for inclusion in Qualified Products List QPL-24624 whether or not such products have actually been so listed by that date. The attention of the contractors is called to these requirements, and manufacturers are urged to arrange to have the products that they propose to offer to the Federal Government tested for qualification in order that they may be eligible to be awarded contracts or purchase orders for the products covered by this specification. The activity responsible for the Qualified Products List is the Naval Sea Systems Command, SEA 5523, Department of the Navy, Washington, DC 20362 and information pertaining to qualification of products may be obtained from that activity. Application for qualification tests shall be made in accordance with "Provisions Governing Qualification SD-6" (see 6.3.1).

6.3.1 Copies of "Provisions Governing Qualification SD-6" may be obtained upon application to Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

6.4 Provisioning. Provisioning Technical Documentation (PTD), spare parts and repair parts should be furnished as specified in the contract.

6.4.1 When ordering spare parts or repair parts for the equipment covered by this specification, the contract should state that such spare parts and repair parts should meet the same requirements and quality assurance provisions as the parts used in the manufacture of the equipment. Packaging for such parts should also be specified.

6.5 Sub-contracted material and parts. The preparation for delivery requirements of referenced documents listed in section 2 do not apply when material and parts are acquired by the contractor for incorporation into the equipment and lose their separate identity when the equipment is shipped.

Preparing activity:  
Navy - SH  
(Project 4820-N469)

**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  
 COMMANDER  
 NAVAL SEA SYSTEMS COMMAND (SEA 5523)  
 DEPARTMENT OF THE NAVY  
 WASHINGTON, DC 20362

**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 5523)  
 DEPARTMENT OF THE NAVY  
 WASHINGTON, DC 20362

NO POSTAGE  
 NECESSARY  
 IF MAILED  
 IN THE  
 UNITED STATES

