

DOD-A-24581 (NAVY)
25 October 1978
(see 6.5)

METRIC

MILITARY SPECIFICATION
ANCHOR, NAVY STOCKLESS TYPE (METRIC)

This specification is approved for use by all interested Commands of the Department of the Navy and the Marine Corps and is available for use by all other Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers nonfouling, Navy stockless type anchors for use on ships.

1.2 Classification. The anchors shall be of the following types, classes, and masses, as specified (see 6.2.1).

1.2.1 Types and classes.

Type I - Anchors having a mass between 50 kilograms (kg) (100 pounds (lbs)) (and 22,500 kg (45,000 lbs) inclusive)

Class 1 - Without a stabilizer

Class 2 - With stabilizer

Type II - Anchors having a mass of 30,000 kg (60,000 lbs) without stabilizer

1.2.2 Nominal masses.

		kg (lbs)	
50	(100)	800	(1,600)
100	(200)	850	(1,700)
150	(300)	900	(1,800)
200	(400)	950	(1,900)
250	(500)	1,000	(2,000)
300	(600)	1,100	(2,200)
350	(700)	1,250	(2,500)
400	(800)	1,500	(3,000)
450	(900)	1,750	(3,500)
500	(1,000)	2,000	(4,000)
550	(1,100)	2,500	(5,000)
600	(1,200)	3,000	(6,000)
650	(1,300)	3,500	(7,000)
700	(1,400)	4,000	(8,000)
750	(1,500)	4,500	(9,000)
		5,000	(10,000)
		5,500	(11,000)
		6,000	(12,000)
		6,500	(13,000)
		7,250	(14,500)
		7,500	(15,000)
		8,000	(16,000)
		9,000	(18,000)
		10,000	(20,000)
		11,250	(22,500)
		12,500	(25,000)
		15,000	(30,000)
		17,500	(35,000)
		20,000	(40,000)
		22,500	(45,000)
		30,000	(60,000)

2. APPLICABLE 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 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 Ship Engineering Center, SEC 6124, 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.

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SPECIFICATIONS

FEDERAL

TT-V-51 - Varnish: Asphalt.

MILITARY

MIL-C-450 - Coating Compound, Bituminous Solvent Type, Black (For Ammunition).
 MIL-E-22200/1 - Electrodes, Welding, Mineral Covered, Iron Powder, Low-Hydrogen Medium and High Tensile Steel, As Welded or Stress-Relieved Weld Application.
 MIL-I-45208 - Inspection System Requirements.

STANDARDS

MILITARY

MIL-STD-129 - Marking for Shipment and Storage.
 MIL-STD-248 - Welding and Brazing Procedure and Performance Qualification.
 MIL-STD-271 - Nondestructive Testing Requirements for Metals.
 MIL-STD-1186 - Cushioning, Anchoring, Bracing, Blocking, and Waterproofing; With Appropriate Test Methods.

PUBLICATION

MILITARY

NAVAL SEA SYSTEMS COMMAND
 NAVSEA 0900-LP-003-8000 - Metals, Surface Inspection Acceptance Standards.

DRAWINGS

MILITARY

NAVAL SHIP SYSTEMS COMMAND (now NAVSEA)
 NAVSHIPS 803-860337 - Stockless Anchors Assembly and Details (50 kg to 22,500 kg).
 NAVSHIPS 803-920808 - 30,000 kg Stockless Anchor, Mark II, Assembly and Details.

NAVAL FACILITIES ENGINEERING COMMAND
 NAVFAC 620656 - Standard Fleet Moorings, Stabilizer Details for Navy Standard Stockless Anchors.

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

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

A 27 - Mild- to Medium-Strength Carbon-Steel Castings for General Applications.
 A 36 - Structural Steel.
 A 53 - Welded and Seamless Steel Pipe.
 A 370 - Mechanical Testing of Steel Products.
 A 668 - Steel Forgings, Carbon and Alloy, for General Industrial Use.
 E 112 - Average Grain Size of Metals.

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pennsylvania 19103.)

ASSOCIATION OF AMERICAN RAILROADS

Association of American Railroads Rules Governing the Loading of Commodities on Open Top Cars.

(Application for copies should be addressed to the Association of American Railroads, Operations and Maintenance Department, Mechanical Division, 59 East Van Buren Street, Chicago, Illinois 60606.)

NATIONAL MOTOR FREIGHT CLASSIFICATION

National Motor Freight Traffic Association Classes and Rules

(Application for copies should be addressed to National Motor Freight Traffic Association, Inc., Agent, 1616 P Street, N.W., Washington, DC 20036.)

UNIFORM CLASSIFICATION COMMITTEE

Uniform Freight Classification Ratings, Rules, and Regulations

(Application for copies should be addressed to the Uniform Classification Committee Agent, G.F. Earl, Tariff Publication Officer, Room 1106, 222 South Riverside Plaza, Chicago, Illinois 60606.)

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

2.3 Publications and specifications referenced herein may express masses and measures in the customary inch-pound system. For utilization of the data contained therein, conversion to metric units shall be required.

3. REQUIREMENTS

3.1 Material.

3.1.1 Anchor crown and flukes. Anchor crown and flukes shall be steel castings in accordance with ASTM A 27. Castings shall be heat-treated by normalizing and tempering to obtain the mechanical properties listed in table I. The manufacturer shall determine the detailed procedures to be used. The microstructure specimen shall have a minimum ASTM E 112 grain size of 6. Material having a grain size number less than 6 (larger grain size) shall be subject to rejection.

TABLE I. Mechanical properties.

Mechanical properties	Anchor mass	
	50 to 15,000 kg	Over 15,000 kg
Tensile strength	4,218 kg/cm ² (60,000 lb/in ²)	4,921 kg/cm ² (70,000 lb/in ²)
Yield point	2,109 kg/cm ² (30,000 lb/in ²)	2,812 kg/cm ² (40,000 lb/in ²)

3.1.1.1 Heat treatment. In addition to requirements of ASTM A 27, castings may be reheat-treated by austenitizing, quenching, and tempering, or normalizing and tempering as necessary to attain the required physical properties.

3.1.1.2 Crown and fluke test block. A test block shall be integrally cast with the crown and flukes (unless damage to parts could result, in which case a separate cast test block from the heat poured with the casting shall be required) to comply with the mechanical, microstructure, and chemical test requirements. Adequate measures shall be taken to insure test block soundness. Chills or chill molds shall not be used for the test block. Size of the test block shall be in proportion to the thickness (T), where T is the diameter of the largest sphere [+12.7 millimeter (mm) (+0.50 inch)] that can be inscribed in any cross section of the casting. Test blocks shall remain attached to the casting they represent until submitted for inspection. Test blocks shall be heat-treated with the casting. The minimum dimensions of the test block shall be T by T by 2T. Minimum T shall be 101.6 mm (4 inches) for all sizes anchors. Dimensions in excess of these shall be permitted providing sound test blocks are produced. Mechanical testing (see 4.5.2) shall be taken at least 25.4 mm (1 inch) below the test block surface.

3.1.2 Anchor shank, shackle, shackle and crown pin. Anchor shank, shackle, shackle and crown pin shall be forged steel in accordance with ASTM A 668, class D, normalized, and tempered.

3.1.2.1 Test blocks. Test blocks for forgings shall be made from prolongs in accordance with ASTM A 370. Specimens shall be taken at 1/4 T of prolong with the prolong having minimum dimensions of T by T by W, where T and W are thickness and width respectively, of largest cross section.

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3.1.3 Stabilizers. Steel plate for stabilizer and gussets shall be in accordance with ASTM A 36. Pipe shall conform to ASTM A 53, type E, grade B, black, extra strong, in accordance with the following schedule:

<u>Nominal pipe size (inches)</u>	<u>Schedule number</u>
8	80
10	60
12	60
14	100
16	100
18	120

3.2 Description.

3.2.1 Anchor. The anchor shall consist essentially of a long shank and two sharp, double-swinging flukes. Anchors shall be furnished complete, including shackle and shackle pin with all parts properly fitted and assembled.

3.2.2 Stabilizer. The stabilizer shall consist of a half of steel pipe welded to the underside of a steel plate. This assembly, in turn, shall be welded to the underside of the anchor crown, on each side, with a gusset plate added for strength.

3.3 Design and dimensions. The anchor assembly, including shackle and shackle pin, shall comply with the design and dimensions shown on NAVSHIPS Drawing 803-860337 for type I anchors and NAVSHIPS Drawing 803-920808 for type II anchors. Stabilizers for type I, class 2, anchors shall be in accordance with design and dimensions of NAVFAC Drawing 620656.

3.3.1 Mass tolerance. The mass tolerances for anchors shall not vary more than plus 4 percent to minus 2 percent of the nominal mass specified (see 3.3). The mass of the stabilizers, when used, shall not be included as part of anchor nominal mass.

3.4 Magnetic particle inspection.

3.4.1 General. The anchor proper and all components of the anchor assembly, except stabilizers, shall be subjected to magnetic particle examination. Examinations shall be performed after proof loading on finished components and prior to any painting. Special attention shall be given to the following:

- (a) fluke surfaces from tip up to and including radii at junction with crown;
- (b) crown pin lug surface including fillets at junction of lug with crown and interior of hole for shank;
- (c) crown bearing area that acts as a stop for the shank;
- (d) shackle pin area and "lower" bearing surfaces, both on the shank;
- (e) the shackle at bend and pin hole;
- (f) and all welds in the anchor assembly.

3.4.2 Acceptance criteria for magnetic particle inspection of castings and forgings.

3.4.2.1 Castings. For castings, all linear indications in accordance with NAVSEA 0900-LP-003-8000, that are over 6.35 mm (0.25 inch) in length shall be ground to sound metal and well faired with the surrounding surface. Weld repair shall not be required if remaining thickness of the original metal equals or exceeds dimensions shown on the drawing (see 3.3). Depth of grinding shall not be greater than 38.1 mm (1.5 inches) except for cracks which shall be removed fully. Castings may be built up to required dimensions by weld repair.

3.4.2.2 Forgings. Forgings shall comply with class 3 of NAVSEA 0900-LP-003-8000. Indications in excess of class 3 shall be ground to sound metal and well faired with surrounding surfaces.

3.4.3 Qualification of welders and welding procedure. Qualification of welders and welding procedure shall be accomplished in accordance with MIL-STD-248. All final welds shall be magnetic particle inspected after the proof load test in accordance with MIL-STD-271 and meet the requirements of NAVSEA 0900-LP-003-8000, class 2.

3.4.3.1 Repair welding. Unless otherwise specified (see 6.2.1), defects in castings and forgings may be removed and repaired by welding. Weld repairs shall use MIL-7018 electrodes in accordance with MIL-E-22200/1. Prior to repair welding, the excavated area shall be fully visible to the welder and allow access of the electrode to all weld surfaces.

3.4.3.1.1 Minor weld repairs. Minor weld repairs may be made to correct surface defects provided that:

- (a) they do not exceed 25-mm (0.98-in.) depth or 20 percent of material thickness, whichever is less;
- (b) a weld buildup for correction of dimensional or machining errors does not exceed the following limitations:
 - (1) 4.76-mm (0.187-in.) maximum buildup for design thickness 25.4 mm (1 inch) and under;
 - (2) 20 percent maximum buildup for design thickness over 25.4 mm (1 inch) but not to exceed 9.52 mm (0.375 in.) unless approved;
 - (3) contouring (such as grinding or machining) for discontinuities shall blend into adjacent material and shall not reduce the thickness of the material below minimum design requirements.

3.4.3.1.2 Nominal weld repairs. Repair welds in excess of those specified as minor repairs shall be made only with the approval of the Government representative.

3.4.3.2 Repair weld inspection. Repair welds shall be subjected to the same inspection standards required of the casting and the area shall be suitably marked to facilitate inspection. Anchors which are repair welded shall be proof load tested afterwards.

3.5 Proof load. Anchors shall comply with proof load test requirements of 4.5.3. There shall be no permanent deformation of any part of the anchor upon completion of this test.

3.6 Cleaning. The castings and forgings shall be cleaned for proper adhesion of finish when offered for inspection.

3.7 Identification markings. The crown shall be marked in conformance with the applicable drawing (see 3.3).

3.8 Finish. Surfaces of all exposed parts shall be coated with one coat of black asphalt varnish conforming to TT-V-51, type I or to MIL-C-450.

3.9 Stabilizers.

3.9.1 Examination. Stabilizers shall not be subject to any examinations, tests, analyses, or inspections except those related to welding and welding procedure (see 3.4.3) and visual and dimensional examination (see 4.4.1).

3.9.2 Shipping. Stabilizers shall not be welded to the anchor assembly until both have arrived at their destination and shall conform to preparation for delivery requirements of section 5.

3.10 Workmanship. The workmanship shall be free from imperfections which may impair appearance or serviceability.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, 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 Certification data/report. The contractor shall prepare certified test reports, inspection data, and identification of anchor and attachments, in accordance with the data ordering document included in the contract (see 6.2.2). The report shall contain the statement: "Records are available covering heat number of material, processing, heat treatment, chemistry, mechanical properties, magnetic particle inspection, and proof test." A copy of certification documents are to be sent to the consignee and the contracting activity or as otherwise specified.

4.1.2 Inspection system. The contractor shall provide and maintain an inspection system acceptable to the Government for supplies and services covered by this specification. The inspection system shall be in accordance with MIL-I-45208 (see 6.2.1).

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4.2 Sampling for quality conformance inspection.4.2.1 Lot.

4.2.1.1 Castings. A lot shall consist of castings made from the same heat. Where material cannot be identified by heat, it shall be divided into lots of not more than 500 kg (1,000 lbs.) each, except where a single casting has a mass of more than 500 kg.

4.2.1.2 Forgings. A lot shall consist of material manufactured from the same heat.

4.2.1.3 Chemical analysis of forgings. A lot shall consist of all forgings from the same heat.

4.2.1.4 Chemical analysis of castings. A lot shall consist of castings of one class made from the same heat, heat-treated in the same furnace charge, and offered for inspection at one time.

4.2.1.5 Assembled anchor. A lot shall consist of assembled anchors of the same size offered for inspection at the same time.

4.3 Sampling for lot acceptance.

4.3.1 Sampling for visual and dimensional examination. Sampling for visual and dimensional examination and lot acceptance criteria shall comply with table II.

TABLE II. Sampling for visual and dimensional examination - AQL (approx.) = 2.5 percent defective.

Number of anchors in inspection lot	Number of anchors in sample	Acceptance number (defectives)	Rejection number (defectives)
25 and under	10	0	1
26 to 40	15	1	2
41 to 110	25	1	2
111 to 300	35	2	3
301 to 500	50	3	4
501 to 800	75	4	5
801 and over	110	6	7

4.3.2 Sampling for nominal mass. Sampling for nominal mass examination and lot acceptance criteria shall comply with table III.

TABLE III. Sampling for nominal mass tests, assembled anchors tolerance - AQL (approx.) = 2.5 percent defective.

Number of anchors in inspection lot	Number of anchors in sample	Acceptance number (defectives)	Rejection number (defectives)
40 and under	5	0	1
41 to 110	10	0	1
111 to 300	15	1	2
301 to 500	25	1	2
501 to 800	35	2	3
801 and over	50	3	4

4.3.3 Sampling for magnetic particle test. Sampling for magnetic particle tests shall be 100 percent for all parts except that pins shall be not subjected to this test.

4.3.4 Sampling for chemical analysis of castings. Where material cannot be identified by heat, it shall be divided into lots of not more than 500 kg (1,000 lbs.). One sample shall be obtained from each lot for chemical analysis and these samples shall be analyzed individually.

4.3.5 Sampling for chemical analysis of forgings. Samples for chemical analysis of forgings shall be taken from the same lot, which consists of material manufactured from the same heat.

4.3.6 Sampling for tension test and microstructure tests on castings. For castings estimated to have a mass of 250 kg (500 lbs.) and over, one sample for the tension test shall be taken to represent each casting. For castings estimated to have a mass less than 250 kg (500 lbs.), two samples for the tension test shall be taken from each lot. Microstructure examination for castings shall be performed on a specimen taken from the test block adjacent to the tensile specimen and away from the surface of the test block.

4.3.7 Sampling for tension tests on forgings. For all forged parts, except shackles and pins from anchors having a mass of 500 kg (1,000 lbs.) and less, two samples for the tension test shall be taken from each lot.

4.4 Examinations.

4.4.1 Visual and dimensional examination. Anchors selected in accordance with table II shall be visually and dimensionally examined in accordance with NAVFAC Dwg. 620656, and their stabilizers, when applicable, both prior to and after painting, for defects in manufacturing and workmanship to verify compliance with this specification. Any anchor containing one or more visual or dimensional defects shall be rejected and if the number of defective anchors in any sample exceeds the acceptable number for that sample, the entire lot represented by the sample shall be rejected. Rejected lots may be offered again for inspection, provided the contractor has removed all nonconforming anchors. Samples shall again be selected from such rejected lots and re-examined to verify compliance with this specification.

4.4.1.1 Shank. Radii on the corners of the shanks shall be examined to assure a smooth curve, free from irregularities. The stop on the shank shall make full surface contact with the boss in the crown when the flukes are in the operating position.

4.4.2 Determination of mass. Each anchor of the sample shall have its mass determined to verify compliance with 3.3. Anchors exceeding the tolerance limit specified on the drawing (see 3.3) shall be rejected. If the number of defective anchors in any sample (see table III) exceeds the acceptable number for that sample, the entire lot represented by that sample shall be rejected. Rejected lots may be resubmitted for inspection only after the contractor has removed all nonconforming anchors. Samples shall again be selected from such rejected lots and re-examined to verify compliance with this requirement.

4.4.3 Magnetic particle inspection. Any part in the sample containing one or more defects shall be rejected. Rejected lots may be resubmitted for inspection only after the contractor has examined every anchor part for the type of defect found and has removed all defective parts from the lot.

4.5 Test procedures.

4.5.1 Chemical tests. Samples selected in accordance with 4.3.4 or 4.3.5 shall be analyzed in accordance with ASTM A 27 or A 668 to insure conformance with chemical composition requirements. The methods shall be correlated with the National Bureau of Standards standard reference material to insure the validity of the method that is used as a control in chemical methods of analysis or for calibration in instrumental methods of analysis. The specification covering method of analysis used shall be noted on certification documents (see 4.1.1).

4.5.2 Mechanical property tests. Tension tests shall be conducted in accordance with ASTM A 370.

4.5.3 Proof load test.

4.5.3.1 General. Each anchor shall be assembled with shackle and pins, ready for service, and shall be subjected in the presence of the Government representative, to the proof load test in both positions as specified on the applicable drawing (see 3.3).

4.5.3.2 Gaging. The anchors shall be gaged before and after they have been tested in each operative position to determine whether any permanent deformation has been caused by applied stress.

4.5.4 Microstructure test. Microstructure examination shall be in accordance with ASTM E 112.

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4.5.5 Magnetic particle test. Magnetic particle examination shall be performed following completion of proof load testing and shall be in accordance with MIL-STD-271.

4.6 Inspection of preparation for delivery. Inspection of packing and marking for shipment shall be in accordance with the requirements of section 5 and the documents specified therein.

5. PREPARATION FOR DELIVERY

(The preparation for delivery requirements specified herein shall apply only for direct government contracts. For the extent of applicability of the preparation for delivery requirements of referenced documents listed in section 2, see 6.4.)

5.1 Packing. Packing shall be as follows:

5.1.1 Levels A, B and C.

5.1.1.1 General. Anchors and stabilizers shall be individually prepared for shipment. Anchoring, blocking, and bracing shall be in accordance with the requirements of MIL-STD-1186. Shipping containers (boxes), when used, shall be provided with skids.

5.1.1.2 Details. All movable parts shall be securely fastened to prevent movement, dislodgement, or loss during the handling, shipment, and storage. Anchors and stabilizers shall be arranged, secured, and packed for shipment in a manner acceptable to the carrier and which will insure safe delivery at the destination in a satisfactory condition at the lowest applicable rate. The method of packing, packing media (skids, pallets, containers, etc.) when used, and loading shall comply with the Uniform Freight or National Motor Freight Classification Rules and Regulations or other carrier rules as applicable to the mode of transportation. Loading methods for rail cars shall be in accordance with the Association of American Railroad Rules as applicable to the type of vehicle employed.

5.2 Marking. In addition to any special marking (see 6.2.1) and identification (see 3.7) required, shipping containers and unpacked anchors and stabilizers shall be marked in accordance with MIL-STD-129. In addition, shipping containers shall contain structural markings as required by MIL-STD-129.

6. NOTES

6.1 Intended use. Anchors without stabilizers are for use on ships. Stabilizers are used on anchors in connection with mooring 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) Type and class of anchor desired (see 1.2.1).
- (c) Nominal mass of anchor required (see 1.2.2).
- (d) That the nominal mass of the anchor ordered will determine the price and no payment will be made for any excess of mass.
- (e) Repair welding, when required (see 3.4.3.1).
- (f) Quality assurance requirements (see 4.1.2).
- (g) Level of packing required (see 5.1).
- (h) Special marking required (see 5.2).

6.2.2 Data requirements. When this specification is used in a contract which invokes the provision of the "Requirements for Data" of the Defense Acquisition Regulation (DAR), the data identified below, which are required to be developed by the contractor, as specified in an approved Data Item Description (DD Form 1664), and which are required to be delivered to the Government, should be selected and specified on the approved Contract Data Requirement List (DD Form 1423) and incorporated in the contract. When the provisions of the "Requirements for Data" of the DAR are not invoked in a contract, the data required to be developed by the contractor and required to be delivered to the Government should be selected from the list below and specified in the contract.

<u>Paragraph</u>	<u>Data requirement</u>	<u>Applicable DID</u>	<u>Option</u>
4.1.1	Certification Data/Report	UDI-A-23264	--

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(Copies of data item descriptions required by the contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.)

6.2.2.1 The data requirements of 6.2.2 and any task in section 3, 4, or 5 of the 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 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 Anchors covered by this specification are commonly referred to as Navy stockless anchors. Type II anchors are also known as MK II Navy stockless.

6.4 Subcontracted 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 use or incorporation into the equipment and lose their separate identity when the equipment is shipped.

6.5 Supersession data. This specification includes the requirements of Military Specification MIL-A-22575B, dated 28 May 1976.

Custodian:

Navy - SH

Review activity:

Navy - YD

Preparing activity:

Navy - SH

(Project 2040-N138)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS: This form is provided to solicit beneficial comments which may improve this document and enhance its use. DoD contractors, government activities, manufacturers, vendors, or other prospective users of the document are invited to submit comments to the government. Fold on lines on reverse side, staple in corner, and send to preparing activity. Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity. A response will be provided to the submitter, when name and address is provided, within 30 days indicating that the 1426 was received and when any appropriate action on it will be completed.

NOTE: This form shall not be used to submit requests for 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.

DOCUMENT IDENTIFIER (Number) AND TITLE

DOD-A-24581 (METRIC)

NAME OF ORGANIZATION AND ADDRESS OF SUBMITTER

☐ VENDOR ☐ USER ☐ MANUFACTURER

1. ☐ HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? ☐ IS ANY PART OF IT TOO RIGID, RESTRICTIVE, LOOSE OR AMBIGUOUS? PLEASE EXPLAIN BELOW.

A. GIVE PARAGRAPH NUMBER AND WORDING

B. RECOMMENDED WORDING CHANGE

C. REASON FOR RECOMMENDED CHANGE(S)

2. REMARKS

SUBMITTED BY (Printed or typed name and address - Optional)

TELEPHONE NO.

DATE

DD FORM 1426
1 OCT 76

EDITION OF 1 JAN 72 WILL BE USED UNTIL EXHAUSTED.