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SUPERSEDING
MIL-H-6615D
6 July 1970

MILITARY SPECIFICATION

HOSE ASSEMBLIES, RUBBER, FUEL AND WATER,
WITH REATTACHABLE COUPLINGS, LOW TEMPERATURE

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers rubber hose assemblies for use with fuel and nonpotable demineralized water.

1.2 Classification. Hose assemblies covered by this specification shall be of the following types, as specified (see 6.2):

Type I - With electrical bond (see 3.4.1.4)

Type II - Without electrical bond

*1.3 Part number. Definitive part number system shall be in accordance with 6.3.

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.

SPECIFICATIONS

FEDERAL

TT-S-735

Standard Test Fluids, Hydrocarbon

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: the Engineering Division, San Antonio Air Logistics Center, Kelly AFB, TX 78241 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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MIL-P-775	Hose, Rubber, Plastic, Fabric, Or Metal (Including Tubing), And Fittings, Nozzles And Strainers, Packaging Of
MIL-C-16173	Corrosion Preventive Compound, Solvent Cutback, Cold-Application
MIL-C-27487	Coupling Halves, Quick-Disconnect-Cam-Locking Type
MIL-C-38404	Coupling, Hose, Reattachable, Screw-On
MIL-T-5624	Turbine Fuel, Aviation, Grades JP-4 And JP-5
MIL-W-83420	Wire Rope Flexible, For Aircraft Control

STANDARDS

FEDERAL

FED-STD-601	Rubber: Sampling And Testing
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MILITARY

MIL-STD-831	Test Reports, Preparation Of
MS27021	Coupling Half, Quick-Disconnect, Cam-Locking Type, Male, Hose Shank, Type II
MS27025	Coupling Half, Quick Disconnect, Cam-Locking Type, Female, Hose Shank, Type VI
MS27028	Coupling Half, Quick-Disconnect, Cam Locking Type, Cap, Dust, Type IV
MS27029	Coupling Half, Quick-Disconnect, Cam-Locking Type, Plug, Dust, Type X

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

*2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this specification to the extent specified herein.

NATIONAL BUREAU OF STANDARDS

Handbook H28	Screw-Thread Standards For Federal Services
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(Application for copies should be addressed to the Superintendent of Documents, Government Printing Office, Washington, DC 20402.)

2.2 Other publications. The following document(s) 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 SOCIETY FOR TESTING AND MATERIALS

ASTM D156	Saybolt Color Of Petroleum Products (Saybolt Chronometer Method)
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ASTM D2276

Particulate Contamination In Aviation Turbine Fuels

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

*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.

3. REQUIREMENTS.

3.1 First article. This specification makes provisions for first article testing.

3.2 Components. A complete hose assembly shall consist of the hose itself, two reattachable couplings (one attached to each end of the hose), reusable protective caps or plugs (one on each coupling), and hose clamps, when applicable. When specified (see 6.2), the hose shall be provided without couplings, but with adequate caps or seals to prevent the entrance of foreign contaminants.

3.3 Materials. Materials shall be as specified herein. Materials not specifically designed shall be suitable for their intended use.

3.4 Design and construction.

3.4.1 Hose. The hose shall consist of a compounded inner tube; braided, loomed, or plied reinforcement; for type I only, spirally wound electrical bonding wires; and a compounded cover.

3.4.1.1 Inner tube. The inner tube shall be a continuous extrusion (the 4-inch size may be either calendered or extruded) of a high aromatic aviation fuel-resistant synthetic rubber compounded to meet the requirements of this specification. The bore of the inner tube shall be smooth; free from pitting, objectionable cuttings, borings, or cements; and of a uniform thickness not less than 1/16 inch. The materials used for the tube and the manufacturing processes of the tube and the resultant hose shall be such as not to produce or cause an increase in sediment contamination to the fuel flowing through it or the fuel stored in it for extended periods. Also, fuel stored in the hose for extended periods shall not experience a change in color due to the hose tube.

3.4.1.2 Cover. The cover shall be constructed of polychloroprene rubber compounded to meet the requirements of this specification. The cover shall be smooth, free from pitting, and of uniform thickness of not less than 1/16 inch.

3.4.1.3 Reinforcement. The reinforcement shall be well, evenly, and firmly braided, loomed, or plied, and free from defects, dirt, knots, lumps, and irregularities of twist.

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3.4.1.4 Electrical bond (for type I only). Spirally wound electrical bonding wires shall be either included in one of the braids or built in between the reinforcements in such a way as to form an angle of not less than 45 degrees with the longitudinal axis of the hose. The wires shall not react chemically with the ingredients of the material in which they are embedded, nor shall they develop kinks when the hose is subjected to the burst resistance test specified in 4.5.10. The wires shall be stainless steel or tin-coated copper and shall be bonded to the coupling either by pulling them out so that not less than 1/2 inch of each wire is in intimate contact with the coupling, or by driving one leg of a wire staple into the bonding cable in such a way that the other leg of the staple is outside the hose and inside the coupling. The electrical bonding wires may be either braided or stranded, but shall have an area equivalent to the following:

Stranded - 7 strands 31 B&S gage.
Braided - 48 strands 36 B&S gage.

3.4.1.5 Diameter. The hose shall be furnished in the sizes specified (see 6.2) in accordance with table I.

TABLE I. Hose dimensions and weights.

Size Code	Inside Diameter (ID) (Inches)	Outside Diameter (OD) (Inches $\pm 1/16$)	Weight of Hose (Maximum lb./ft.)
A	1-1/4 $\pm 1/16$	1-7/8	1.25
B	1-1/2 $\pm 1/32$	2-3/64	1.38
C	2 $\pm 1/32$	2-9/16	1.75
D	2-1/2 $\pm 1/32$	3-1/16	2.25
E	3 $\pm 1/32$	3-19/32	2.70
F	4 $\pm 1/16$	4-5/8	4.00

3.4.1.6 Length. The length of the hose shall be as specified (see 6.2), with a tolerance of ± 1 percent. The length measurement shall not include the couplings.

3.4.1.7 Weight. The maximum weight of the uncoupled hose per foot shall not exceed the values specified in table I.

3.4.2 Couplings. Couplings on the ends of the hose shall conform to type I or II, class 1 or 2, of MIL-C-38404 or MIL-C-27487, class 1, type II (MS27021) or type VI (MS27025) coupling halves as specified (see 6.1 and 6.2).

3.4.3 Coupling caps. The male coupling conforming to MIL-C-38404 shall be provided with a protective, closed end, reusable, threaded metal cap having a thickness of 0.022 to 0.031 inch or a reusable plastic cap of suitable thickness and composition that will not be chemically affected by grade 1 corrosion-preventive compound conforming to MIL-C-16173. The male coupling conforming to MIL-C-27487 shall be provided with class 1, type IV (MS27028) dust caps in accordance with MIL-C-27487, except with 1/16-inch diameter cable in accordance with MIL-W-83420 with a clear nylon jacket in lieu of the sash chain.

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3.4.4 Female coupling plugs. The female couplings conforming to MIL-C-38404 shall be provided with a protective, closed, reusable, threaded metal or plastic plug of suitable thickness and composition, that will not be chemically affected by grade 1 corrosion-preventive compound conforming to MIL-C-16173. The female couplings conforming to MIL-C-27487 shall be provided with class 1, type X (MS27029) dust plugs in accordance with MIL-C-27487, except with a 1/16-inch diameter cable in accordance with MIL-W-83420 with a clear nylon jacket in lieu of the sash chain.

3.4.5 Hose clamps. Two hose clamps shall be provided for each coupling half conforming to MIL-C-27487. The bands and buckles shall be of 300 series corrosion-resistant steel, 3/4-inch wide for 4-inch inside diameter hose and not less than 1/2-inch wide bands for smaller inside diameter hoses.

3.5 Performance.

3.5.1 Adhesion between component parts. The adhesion between component parts for unaged hose shall be a minimum of 12 pounds per inch for sizes up to and including the 3-inch ID hose, and a minimum of 10 pounds per inch for the 4-inch ID hose. The adhesion for hose aged in accordance with 4.5.5 shall be a minimum of 9 pounds per inch for sizes up to and including the 3-inch ID size and a minimum of 5 pounds per inch for the 4-inch ID size.

3.5.2 Low temperature flexibility. The hose shall not crack when tied in a U-shape and subjected to a temperature of $-67^{\circ} \pm 2^{\circ}\text{F}$ for at least 72 hours. After such conditioning, the 1-1/4 to 2-1/2 inch size hoses, inclusive, shall not require a force of more than 70 pounds to straighten to an approximate 90-degree angle within 1 minute, and the 3 and 4 inch sizes shall not require a force of more than 80 pounds to straighten to an approximate 180-degree angle within 1 minute. No cracks shall develop during this straightening.

3.5.3 Low temperature bend. Specimens of the tube and cover shall not crack when bent into a concave shape and maintained in this shape for not less than 72 hours at a temperature of $-67^{\circ} \pm 2^{\circ}\text{F}$ nor shall they crack upon sudden further bending into a U-shape.

3.5.4 Volume increase. The volume increase of the tube and cover specimens after 24-hour immersion in the specified hydrocarbon fluid at $75^{\circ} \pm 5^{\circ}\text{F}$ shall not exceed 50 and 100 percent, respectively.

3.5.5 Tensile strength. The tensile strength of the tube and cover after a 48-hour immersion in the specified hydrocarbon fluid at $75^{\circ} \pm 5^{\circ}\text{F}$ shall be not less than 600 and 400 psi, respectively.

3.5.6 Ultimate elongation. The ultimate elongation of the tube and cover shall be not less than 200 percent. After a 48-hour immersion in the specified hydrocarbon fluid at $75^{\circ} \pm 5^{\circ}\text{F}$, the ultimate elongation of the tube and cover shall be not less than 100 percent.

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3.5.7 Pull resistance. The coupling shall not pull off the hose upon subsection to a pull of 1,000 pounds directed along the longitudinal axis.

3.5.8 Burst resistance. The hose shall not burst or develop a permanent blister when subjected to the hydrostatic pressure specified in table II.

*TABLE II. Hose performance requirements

(ID)	1-1/4	1-1/2	2	2-1/2	3	4
Proof pressure (min. psi)	300	300	275	275	250	250
Burst pressure (min. psi)	800	800	700	700	600	500

3.5.9 Proof pressure. The hose, with couplings attached, shall not leak or show imperfections in either the hose or couplings when subjected to the hydrostatic pressure specified in table II for not less than 30 seconds.

3.5.10 Length change. The length of the hose shall not change more than 7 percent during subsection to the proof pressure test.

3.5.11 Electric bond (for type I only). The hose, with couplings attached, after having been subjected to the proof pressure, in an electric circuit, shall reveal no break in the electric bond.

3.6 Age. Hose assemblies shall be no more than 4 quarters old from the date of manufacture to the date of delivery by hose manufacturers to the procuring activity, to hose couplers, or to manufacturers of accessory equipment. Hose installed in such equipment shall be no more than 8 quarters old upon the date of delivery of that equipment to the procuring activity.

3.7 Identification of product. The hose shall be legibly marked along its longitudinal axis with a yellow stripe of a fuel-resistant nature. The stripe shall be broken at intervals of approximately 2 inches.

3.7.1 Label. Each length of hose shall have a label inlaid approximately in the center and vulcanized thereto. The label shall contain the following information:

MIL-H-6615D - Type (I or II, as applicable)
Date of manufacturer (quarter and year)
Manufacturer's name or trademark

3.7.1.1 When specified (see 6.2), the contract or order number shall also be included on the label.

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3.8 Workmanship. Workmanship shall be of the quality necessary to produce hose assemblies free from defects which would adversely affect service performance.

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 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.

4.2 Classification of inspections. The examination and testing of the hose assemblies shall be classified as follows:

- a. First article inspectionSee 4.3
- b. Quality conformance inspection . . .See 4.4

4.3 First article inspection.

4.3.1 Samples. The first article inspection samples shall consist of the following samples for each size hose specified in the contract or order. Samples shall be identified with the manufacturer's own part number and any additional information required by the contract or order. Samples shall be subjected to the tests specified in 4.3.3. (See 6.2.)

- a. A 10-foot length of uncoupled hose.
- b. A 3-foot length of hose with couplings, caps, and plugs attached.
- c. A 15-inch length of hose to which couplings have been attached.

4.3.2 Test report. After completion of the first article tests, three copies of a test report prepared in accordance with MIL-STD-831 shall be furnished to the procuring activity.

4.3.3 First article inspection. First article inspection shall consist of all inspections specified under 4.5.

4.4 Quality conformance inspection. The quality conformance inspection shall consist of the following:

- a. Individual tests.See 4.4.1
- b. Sampling Tests.See 4.4.2

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4.4.1 Individual tests. Each production length of hose with couplings attached shall be subjected to the following:

- a. Examination of product.See 4.5.1
- b. Proof pressure testSee 4.5.2
- c. Length change test.See 4.5.3
- d. Electric bond test (for type I only).See 4.5.4

4.4.2 Sampling tests. Hose and coupling assemblies shall be selected at random from each order, as specified in 4.4.2.1, and subjected to the individual tests and the following tests:

- a. Adhesion between component parts testSee 4.5.5
- b. Low temperature bend testSee 4.5.6
- c. Volume increase test.See 4.5.7
- d. Tensile strength and ultimate elongation testSee 4.5.8
- e. Pull resistance test.See 4.5.9
- f. Burst resistance testSee 4.5.10
- g. Sediment contamination and color change test.See 4.5.11

4.4.2.1 Sampling plan. One hose and coupling assembly from each 5,000 feet or less of the order shall be selected for the sampling tests. After the individual tests have been conducted on this assembly, the hose shall be cut approximately 3 feet from one end of the assembly and 15 inches from the other to provide lengths for the tests specified in 4.5.10 and 4.5.9 respectively. One of the couplings in each of these tests shall be the same as assembled in production, except for the coupling halves conforming to MIL-C-27487 (see 4.5.10). An additional 3 feet of hose shall be cut off the original length for the other sampling tests. The remainder of the hose length shall be coupled, subjected to the individual tests, and included with the order if its length is more than 50 percent of the length specified in the order.

4.4.3 Rejection and retest. A length of hose which fails to meet the individual test requirements of this specification shall be rejected. When a sample or specimen of a hose, a hose assembly, or a coupling fails to meet the sampling tests of this specification, the entire lot sampled shall be rejected. Hose which has been rejected shall not be resubmitted for approval without furnishing full particulars concerning previous rejection and measures taken to overcome the defects.

4.5 Test methods.

4.5.1 Examination of product. Hose assemblies shall be examined to determine compliance with the requirements of this specification with regards to materials, size, construction, length, weight, age, couplings, coupling caps and plugs, and when applicable (see 3.2), hose caps or seals, marking, and workmanship.

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4.5.2 Proof pressure test. Each length of hose with couplings attached shall be subjected to the proof pressure specified in table II in accordance with Method 10211 of FED-STD-601.

4.5.3 Length change test. The percentage change in a known length of hose shall be determined in accordance with Method 10311 of FED-STD-601 while the hose is being subjected to the proof pressure test.

4.5.4 Electric bond test (for type I only). Each length of hose with couplings attached, shall be made part of an electric circuit after it has undergone the proof pressure test.

4.5.5 Adhesion between component parts test. Adhesion shall be conducted on ring specimens in accordance with Method 8011 or 8021 of FED-STD-601. Post-immersion adhesion tests shall be conducted on a 12-inch length hose after it has been stoppered with leakproof plugs and filled with fluid conforming to type III of TT-S-735 at a temperature of $75^{\circ} \pm 5^{\circ}\text{F}$ for 48 hours. Specimens to determine adhesion shall be cut from the center of the length and tested within 15 minutes after removal from the fluid.

4.5.6 Low temperature bend test. Buffed specimens of the tube and cover, 4 inches long and 1/4 inch wide, shall be clamped in a concave shape between plates 2-1/2 inches apart and at least 2 inches wide in such a manner that the bend in the test piece does not protrude beyond the edges when the plates are brought together and that the ends are not held for more than 1-1/4 inches. After exposure to $-67^{\circ} \pm 2^{\circ}\text{F}$ for 72 hours, the plates shall be moved rapidly together until the ends of the specimens are not more than 1 inch apart, and the specimens shall be examined for evidence of cracking.

4.5.7 Volume increase test. The volume increase of the tube and cover shall be determined in accordance with Method 6211 of FED-STD-601 after immersion for 24 hours at $75^{\circ} \pm 5^{\circ}\text{F}$ in type III fluid conforming to TT-S-735.

4.5.8 Tensile strength and ultimate elongation test. The tensile strength and ultimate elongation of the tube and cover shall be determined in accordance with Methods 4111 and 4121, respectively, of FED-STD-601. Die VI, Method 4111, shall be used for cutting the specimens. Ultimate elongation shall be determined on unaged specimens and both tensile strength and ultimate elongation shall be determined on specimens aged for 48 hours at $75^{\circ} \pm 5^{\circ}\text{F}$ in type III fluid conforming to TT-S-735. Tests shall be conducted within 5 minutes after removal from the fluid.

4.5.9 Pull resistance test. One coupling of the 15-inch hose assembly shall be held securely in a vise while a pull of 1,000 pounds is applied to the other coupling by any convenient means. The rate of jaw separation of the vise shall be 1 inch per minute.

4.5.10 Burst resistance test. Burst resistance shall be determined in accordance with Method 10011 of FED-STD-601. The couplings used during this test shall be in accordance with MIL-C-38404.

*4.5.11 Sediment contamination and color change test. While in a condition typical of a production length of hose just prior to the individual tests, the hose shall be filled with grade JP-4 or JP-5 fuel conforming to MIL-T-5624 or type III conforming to TT-S-735. The fuel shall contain no more

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than 1 milligram per liter of sediment contamination. The filled hose shall stand for 72 hours. After this period, an amount of fuel equal to one-half of the volume of the hose sample shall be drained from the downstream end and discarded. Then, a 1-liter sample of fuel shall be obtained and analyzed for solid contamination in accordance with ASTM D2276. If the total rise in sediment exceeds 2 milligrams per liter, it shall be cause for rejection. The fuel color before and after the 72-hour period shall be determined in accordance with ASTM D156 and shall not exceed a change of 40.

4.5.12 Low temperature flexibility test. Hose shall be tested for low temperature flexibility as follows:

4.5.12.1 Hoses in the 1-1/4 to 2-1/2-inch ID sizes shall be tested by bending an uncoupled 5-foot length into a U-shape such that the ends of the U are approximately 22 inches apart, tying it in that position, and conditioning the hose for not less than 72 hours at $-67^{\circ} \pm 2^{\circ}\text{F}$. One arm of the U shall then be held or clamped firmly to a rigid vertical support, and a slow, steady perpendicular pull applied to the other arm at a point 2 inches from the end. The force in pounds required to open the hose to an approximate 90-degree angle shall be determined by a spring balance or other convenient means. The temperatures shall be held at $-67^{\circ} \pm 2^{\circ}\text{F}$ during the test.

4.5.12.2 Hose in the 3- and 4-inch ID size shall be tested by bending an uncoupled 5-foot length into a concave shape such that the ends of the hose are approximately 40 inches apart, tying it in that shape and conditioning it for not less than 72 hours at $-67^{\circ} \pm 2^{\circ}\text{F}$. The force in pounds required to straighten the hose to an approximate 180-degree angle shall be determined by any convenient means. The temperature shall be held at $-67^{\circ} \pm 2^{\circ}\text{F}$ during the test.

4.6 Inspection of the preservation, packaging, packing, and marking for shipment and storage. The inspection of the preservation, packaging, packing, and marking for shipment shall be in accordance with the requirements of section 5, or the documents specified therein.

5. PACKAGING.

*5.1 Preservation, packaging, packing, and shipment marking. The hose assemblies shall be preserved, packaged, packed, and marked for shipment in accordance with MIL-P-775, except fiberboard boxes shall not be used for level A packing. The level of preservation and packaging shall be level A or C, and the level of packing shall be level A, B, or C, as specified (see 6.2).

6. NOTES.

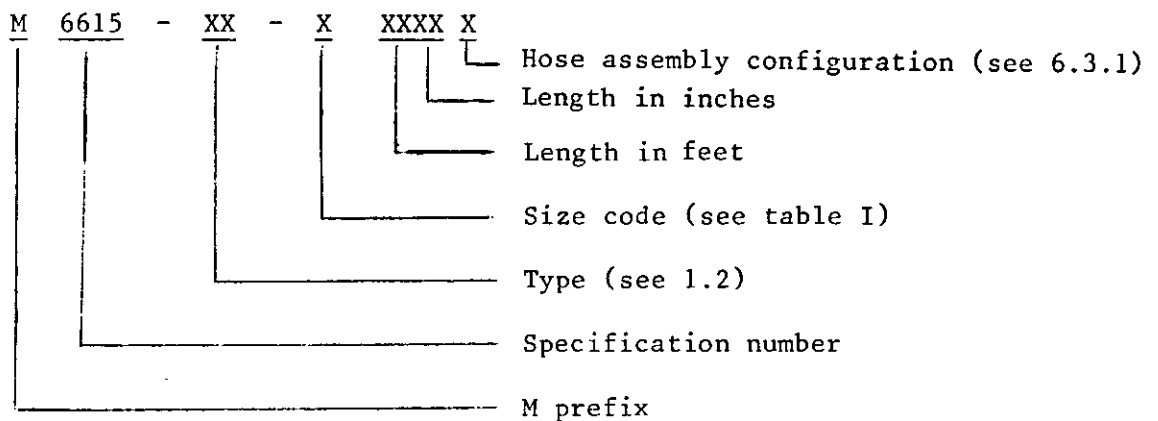
6.1 Intended use. The hose assemblies covered by this specification are intended for use in ground fueling of aircraft with hydrocarbon fuels or nonpotable demineralized water. For hydrocarbon fuels, use class 1 couplings conforming to MIL-C-38404 or coupling halves conforming to MIL-C-27487. For nonpotable demineralized water, use class 2 couplings conforming to MIL-C-38404. The coupling halves conforming to MIL-C-27487 are intended for use with air transportable types of fueling equipment, such as the A/E32R-14 fuel servicing unit conforming to MIL-R-83208.

6.1.1 For Air Force procurement, the type II hose is preferred for cost reasons, but the type I hose is acceptable where its real cost matches type II hose. The Air Force uses grounding means other than the electrical bond of 3.4.1.4.

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6.2 Ordering data. Procurement documents should specify the following:

- a. Title, number, and date of this specification.
- b. Whether type I or II hose is required (see 1.1, 3.4.1.4, and 6.1.1).
- c. When couplings are not to be provided (see 3.2).
- d. Size, length, and quantity of hose required (see 3.4.1.5, 3.4.1.6, and 4.3.1).
- e. Type of coupling required (see 3.4.2).
- f. When contract or order number is to be included on the label (see 3.7.1.1).
- g. Level of preservation, packaging, and level of packing required (see 5.1).
- h. Definitive specification part number (see 1.3 and 6.3).

6.3 Part number. Part number shall be in accordance with the following:

Example: M6615-II-C0806N
 type II, 2" ID, 8 feet 6 inches long
 MIL-C-38404 class I, type I fittings on both ends

6.3.1 Hose assembly configuration. Hose coupling specification and coupling specification class and type for each end are designated by one code letter (see table III).

TABLE III. Hose assembly configuration code letter.

Code letter	MIL-C-38404 Class 1 or 2, Type I or II							
	End 1				End 2			
	Class 1 Type I	Class 1 Type II	Class 2 Type I	Class 2 Type II	Class 1 Type I	Class 1 Type II	Class 2 Type I	Class 2 Type II
N	X				X			
P		X				X		
R			X				X	
S				X				X
T	X					X		
V			X					X

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TABLE III. Hose assembly configuration code letter. - Continued.

Code letter	MIL-C-27487 Class 1, Type II or VI			
	End 1		End 2	
	Class 1 Type II	Class 1 Type VI	Class 1 Type II	Class 1 Type VI
W	X		X	
X		X		X
Y	X			X
Z	No couplings (see 3.2 and 6.2C)			

*6.4 First article. First article inspection shall be conducted in accordance with 4.3 inclusive. It may be waived for those bidders that have successfully completed the tests within the 18 months prior to submittal of bids.

*6.5 Changes from previous issue. The margins of this document are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

Navy - AS

Air Force - 99

Preparing activity:

Air Force - 82

*Review activities:

DLA - CS

Army - ME

Project 4720-0636

FSC 4720

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.

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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MIL-H-6615E		2. DOCUMENT TITLE HOSE ASSEMBLIES, RUBBER, FUEL & WATER, WITH REATTACHABLE COUPLING, LOW TEMPERATURE	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION (Mark one)	
b. ADDRESS (Street, City, State, ZIP Code)		<input type="checkbox"/> VENDOR	
		<input type="checkbox"/> USER	
		<input type="checkbox"/> MANUFACTURER	
		<input type="checkbox"/> OTHER (Specify): _____	
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)	