

MIL-C-43103D
15 August 1988
 SUPERSEDING
 MIL-C-43103C
 27 June 1980

MILITARY SPECIFICATION

CANTEEN, WATER, PLASTIC, WITH SCREW CAP

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

1. SCOPE

1.1 Scope. This document covers one type of plastic water canteen having a capacity of one quart nominal.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

- * 2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

FEDERAL

- * A-A-203 - Paper, Kraft, Untreated
 L-P-390 - Plastic, Molding and Extrusion Material, Polyethylene and Copolymers (Low, Medium and High Density)
 PPP-B-636 - Boxes, Shipping, Fiberboard

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5014 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8465

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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- * MIL-L-35078 - Loads, Unit: Preparation of Semiperishable Subsistence Items; Clothing, Personal Equipment and Equipage
- MIL-C-43761 - Cup, Water Canteen, W/Wire Handle, Corrosion Resisting Steel
- MIL-C-51278 - Cap, Water Canteen, Field, 1 Quart and 2 Quart Canteens

STANDARDS

FEDERAL

- FED-STD-595 - Colors

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
 - MIL-STD-129 - Marking for Shipment and Storage
 - MIL-STD-130 - Identification Marking of US Military Property
 - MIL-STD-147 - Palletized Unit Loads
 - * MIL-STD-731 - Quality of Wood Members for Containers and Pallets
- * (Copies of specifications, standards, and handbooks required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)
- * 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. Unless otherwise specified, the issues shall be those in effect on the date of solicitation.

US DEPARTMENT OF HEALTH, EDUCATION AND WELFARE

Federal Food, Drug and Cosmetic Act and Regulations Promulgated Thereunder

(Copies may be obtained from the Superintendent of Documents, US Government Printing Office, Washington, DC 20402.)

DRAWINGS

- * US ARMY NATICK RESEARCH, DEVELOPMENT AND ENGINEERING CENTER
- 8-1-33 - Canteen, Water, Plastic, With Screw Cap; Assembly and Details
- 8-1-34 - Canteen, Water, Plastic Strap

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

* 2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted shall be those listed in the issue of the DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS shall be the issues of the nongovernment documents which are current on the date of the solicitation.

* AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 3951 - Standard Practice for Commercial Packaging

(Copies may be obtained from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

* (Nongovernment standards and other publications are normally available from the organizations which prepare or which distribute the documents. These documents also may be available in or through libraries or other informational services.)

* 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. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Standard sample. The finished canteens shall be equal to or better than the standard sample or approved guide sample with respect to molding imperfections such as orange peel and pit characteristics (see 6.3).

* 3.2 First article. When specified in the contract or purchase order, a sample shall be subjected to first article inspection (see 4.3, 6.2, and 6.5).

* 3.3 Material. Material shall be as specified herein (see 6.6).

3.3.1 Polyethylene. The polyethylene used in the manufacture of the canteen (body and strap), and the antioxidants or other substances incorporated in the plastic shall conform to the Food, Drug and Cosmetic Act requirements for use in contact with drinking water.

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* 3.3.1.1 Body material. The body shall be made from high density virgin polyethylene conforming to type I, class H, grade 1, category 4 or 5 of L-P-390. Clean, unburned material in the form of imperfect parts, tails, neck flash, or other scrap of the same composition as the virgin material and produced in the molding or finishing operation may be reground and mixed with the virgin material. When reground is mixed with the virgin material, the reground shall not exceed a level of 35 percent by weight of the blended mixture.

* 3.3.1.2 Cap, Ml. The Ml cap shall conform to MIL-C-51278.

3.3.1.3 Strap material. The strap shall be made from low density virgin polyethylene conforming to type I, class L, grade 2, category 3 of L-P-390. Clean, unburned material in the form of imperfect parts, sprues, runners, or other scraps of the same composition as the virgin material and produced in the molding or finishing operation, may be reground and mixed with the virgin material specified. When reground is mixed with the virgin material, the reground will not exceed a level of 25 percent by weight of the blended mixture.

3.4 Design and construction. The canteen with screw cap shall conform to the design, shape and dimensions shown in Drawings 8-1-33 and 8-1-34 (see 6.4).

* 3.4.1 Body. The body shall be blow molded of high density polyethylene specified in 3.3.1.1 and by a process in which the body is blown and molded in one piece, and not as a result of a sheet forming operation. The lip of the body neck which forms the sealing surface against the cap on assembly, shall be flat, smooth, and free from sink marks and depressions or other defects which may affect proper sealing. The canteen neck shall be threaded with buttress type threads for a minimum of two full turns. The threads shall be fully formed and free from flash and thread misalignment. All parting lines shall be free from flash except that flash extending not more than 1/32 inch at the bottom pinch-off area shall be permitted. There shall be no interference upon engagement of the cap to its fully seated position. The wall thickness at any point on the body shall be not less than 0.36 inch. The body shall be blow molded in such a manner that the material shall be distributed to conform to the interior shape and general overall design as shown in the cutaway portion of item No. 1-1 body Drawing 8-1-33. Out of round distortion at right angles to the parting line plane is permitted provided the dimension falls within the tolerances shown in Drawing 8-1-33.

3.4.2 Strap. The strap shall be injection molded of low density polyethylene specified in 3.3.1.3 and assembled as shown on Drawings 8-1-33 and 8-1-34. All gates shall be trimmed flush with the molding surface.

3.5 Fit. The body shall fit into a standard canteen cup (see 6.3), fabricated in accordance with MIL-C-43761 when tested as specified in 4.4.5.

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3.5.1 Leakage. The canteen, when filled with water, capped, and inserted into the standard canteen cup specified in 3.5, shall show no evidence of leakage when tested as specified in 4.4.5.

3.6 Weight. The weight of the body shall be not greater than 140 grams and not less than 115 grams when tested as specified in 4.4.5.

3.7 Color. The color of the body and strap shall approximate color number 34087 (Olive Drab, lusterless) of FED-STD-595. The strap shall match the shade of the body.

3.8 Finish. The exterior surfaces of the canteen and both sides of the strap shall have a smooth and lusterless finish throughout; and shall be free of dirt, dust, grease, and foreign matter. The finish shall be produced from a die which has cavity surfaces finished in vapor blast, water hone, or similar satin finish and not by the application of any protective coating, lacquers, or other materials.

3.9 Marking.

3.9.1 Precaution marking. The canteen shall be permanently and distinctly marked by an embossed molded-in process as shown in Drawing 8-1-33.

3.9.2 Identification. The identification shall be located at the bottom of the canteen and marked by an embossed molded-in process with the letters "U.S.", year of manufacture, and contractor's name or trademark of such known character or markings as to be readily identified with the contractor. The marking area shall be approximately 1 square inch and the raised markings shall approximate 0.007 inch in height. Markings shall be in accordance with MIL-STD-130.

* 3.10 Workmanship. The canteen shall be clean, smooth, well finished, and free from bubbles, cracks, pinholes, dirt, warpage, blisters, and scratches. The canteen shall conform to the quality of product established by this document and the occurrence of defects shall not exceed the applicable acceptable quality levels.

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 this document where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

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* 4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this document shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the document shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

* 4.1.2 Responsibility for dimensional requirements. Unless otherwise specified in the contract or purchase order, the contractor is responsible for assuring that all specified dimensions have been met. When dimensions cannot be examined on the end item, inspection shall be made at any point, or at all points in the manufacturing process necessary to assure compliance with all dimensional requirements.

4.1.3 Certificates of compliance. When certificates of compliance are submitted, the Government reserves the right to inspect such items to determine the validity of the certification.

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

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

* 4.3 First article inspection. When a first article is required (see 6.2), it shall be examined for the defects specified in 4.4.3 and 4.4.4 and tested for the characteristics specified in 4.4.5. The presence of any defect or failure to pass any test shall be cause for rejection of the first article.

4.4 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105.

4.4.1 Component and material inspection. In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced documents unless otherwise excluded, amended, modified, or qualified in this document or applicable purchase document.

* 4.4.1.1 Material Certification. Unless otherwise specified, certificates of compliance will be acceptable as evidence that the components and materials listed below conform to the specified requirements.

	<u>Requirement paragraph</u>
<u>Polyethylene</u>	3.1.1
<u>Body material</u>	3.3.1.1
<u>Strap material</u>	3.3.1.3

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* 4.4.2 In-process inspection. Inspection shall be made of the following operations or assemblies to establish conformance to specified requirements. Whenever nonconformance is noted, correction shall be made to the items affected and to the operation. Items which cannot be corrected shall be removed from production.

a. Canteen body is blow molded in one piece in conformance with 3.4.1.

b. Strap is injection molded in conformance with 3.4.2.

* 4.4.3 End item visual examination. The end items shall be examined for the defects listed in table I. The lot size shall be expressed in units of canteens. The sample unit shall be one canteen. The inspection level shall be I and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 4.0 for major defects and 10 for total (major and minor combined) defects.

4.4.3.1 Classification. Those defects with an asterisk (*) in the classification column shall be classified as follows:

Major defect - When seriously affecting appearance or serviceability.

Minor defect - When affecting appearance or serviceability but not seriously.

TABLE I. End item visual defects

Examine	Defect	Classification	
		Major	Minor
Quality and finish	Color not as specified or not as approved sample	X	
	Exterior surface of body, or strap not smooth and not lusterless throughout	X	
	Bubbles		*
	Finish produced by application of coating, lacquer or other organic material	X	
	Any cut, tear, hole, burn, break, crack or mend in canteen body	X	
	Any cut, tear, hole, burn, break, or mend in strap		*
	Weld mark, sink mark, shrink mark, dulling of surface, roughness, or abrasion		*
	Discoloration, surface deterioration, foreign inclusion, grease, orange peel, pit, rough finish or other imperfection		*

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor
Design and construction	Objectionable odor	X	
	Varies from specified design and construction or approved sample		*
	Not fully formed		*
Workmanship and assembly (general)	Evidence body is not formed by one piece blow molded process	X	
	Evidence strap is not formed by injection mold process	X	
	Evidence of poor or inadequate mold fill		*
	Any gate not trimmed flush with the molded surface		X
	Component missing	X	
Workmanship and assembly of body	Sealing surface of lip is not flat, smooth and free from sink marks or depression		*
	Interior of neck opening not smooth, i.e., surface shredded, chipped, scratched, abraded or otherwise impaired	X	
	Cut of round distortion at the parting line of the closure lip prevents cap from sealing	X	
	Canteen rocks more than 1/16 inch when placed on a flat surface		X
	Canteen body distorted resulting in weak spot at parting line		*
	Flash at bottom pinch-off area on parting line extending more than 1/32 inch		*
	Flash appearing on other parting lines		X
Workmanship and assembly of cap	Canteen cap will not screw onto canteen	X	
	Cap binds when screwing onto canteen		*
	Evidence that the canteen cap does not seal when engaged on canteen	X	

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TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification	
		Major	Minor
Workmanship of threads	Threads not specified type	X	
	Threads in cap or on body neck stripped, not permitting tight closure	X	
	Canteen neck does not contain two full turns of thread		*
	Threads improperly gaged or improperly aligned on component preventing seal at closure	X	
	Threads not fully formed, not free from flash, misaligned at parting line or other imperfection		*
Workmanship and assembly of strap	Strap does not engage in retention groove of body neck or cap		X
	Strap inverted, i.e., small diameter hole used for cap		X
Cleanliness	Dirt, grease, dust or other foreign matter on inside of canteen		*
	Plastic shavings on the inside of canteen		X
Precaution and identification marking	Missing, illegible, incomplete, wrong size, or wrong type, not applied as specified, not in specified location		X
	Wording of precaution marking other than specified		X

- * 4.4.4 End item dimensional examination. The canteens shall be examined for defects listed in 4.4.4.1 and 4.4.4.2. The lot size shall be expressed in units of canteens. The sample unit shall be one canteen. For examination of wall thickness (see 4.4.4.1), the inspection level shall be I and the AQL, expressed in terms of defects per hundred units, shall be 1.0. For all other dimensions (see 4.4.4.2), the inspection level shall be S-2 and the AQL, expressed in terms of defects per hundred units, shall be 6.5.

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- * 4.4.4.1 Examination for wall thickness. For this examination, the canteens shall be cut in half along the parting line and each half cut 90° to the parting line to give four quarters or check wall thickness of canteens using electronic ultrasonic gage, with an accuracy of ± 0.001 inches. Make at least one reading per each 2 square inches of canteen body surface. Measurements to the nearest 0.001 inch shall be made at the thinnest area of each quarter. A failure of any sample unit to meet the requirement shall be scored as a defect. Measurements on a sample unit shall not be averaged.

NOTE: The samples used in 4.4.3 shall be used for this examination. Samples which show definite evidence of thin areas in the canteen body may be selected for this determination.

4.4.4.2 Examination for dimensions other than wall thickness. For this examination, all dimensions other than wall thickness shall be measured. Any dimension that is not within the specified tolerances shall be classified as a defect.

4.4.5 End item testing. The end items shall be tested for the characteristics listed in table II. The sample unit shall be one canteen. The lot shall be rejected if one or more sample units fail to meet any requirement specified. The sample size shall be in accordance with the following:

<u>Lot size (canteens)</u>	<u>Sample size (sample units)</u>
800 or less	2
801 up to and including 22,000	3
22,001 and up	5

TABLE II. End item tests

Charac- teristic	Require- ment para	Test method	No. deter- minations per sample unit	Results reported as	
				Pass or fail	Numerically to nearest
Fit	3.5	4.5.1	1	X	-
Leakage	3.5.1	4.5.2	1	X	-
Weight	3.6	<u>1/</u>	1	-	0.5 gram

1/ The cap and strap shall be removed and the body shall be weighed on a balance accurate to 0.5 gram.

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- * 4.4.6 Packaging examination. The fully packaged end items shall be examined for the defects listed below. The lot size shall be expressed in units of shipping containers. The sample unit shall be one shipping container fully packaged. The inspection level shall be S-2 and the AQL, expressed in terms of defects per hundred units, shall be 2.5.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application.
Materials	Any component missing, damaged, or not as specified.
Workmanship	Inadequate application of components, such as: incomplete sealing or closure of flap, improper taping, loose strapping or inadequate stapling. Bulged or distorted container.
Content	Number per container is more or less than required.

- * 4.4.7 Palletization examination. The fully packaged and palletized end items shall be examined for the defects listed below. The lot size shall be expressed in units of palletized unit loads. The sample unit shall be one palletized unit load, fully packaged. The inspection level shall be S-1, and the AQL, expressed in terms of defects per hundred units, shall be 6.5.

<u>Examine</u>	<u>Defect</u>
Finished dimensions	Length, width, or height exceeds specified maximum requirements.
Palletization	Pallet pattern not as specified. Interlocking of loads not as specified. Load not bonded with required straps as specified.
Weight	Exceeds maximum load limits.
Marking	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application.

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4.5 Methods of inspection.

4.5.1 Fit test. The empty canteen body with cap removed shall fit into a standard canteen cup within the maximum height limit indicated on Drawing 8-1-33, when a pressure of 25 pounds maximum is applied to the lip face (pressure may be applied by standard commercial practices). A standard canteen cup will be furnished by the contracting officer (see 6.3).

4.5.2 Leakage test. The canteen shall be filled to the neck with water at room temperature and capped tightly using normal hand pressure. The canteen shall be cloth dried and shall then be fully inserted into a standard canteen cup and allowed to stand inverted for 4 hours. At the end of this period the canteen shall be inspected for leakage. Five standard canteen cups will be furnished by the contracting officer (see 6.3).

5. PACKAGING

* 5.1 Packing. Packing shall be level A, B or Commercial, as specified (see 6.2).

* 5.1.1 Level A. Sixty canteens, with caps screwed on finger tight, shall be packed in a fiberboard shipping container conforming to style RSC-L, grade V2s of PPP-B-636. The inside of each fiberboard container shall be fitted with a box liner conforming to type CF, class weather-resistant, variety DW, grade V15c of PPP-B-636. The canteens shall be packed upright, five in length, six in width, and two in depth within a shipping container. Inside dimensions of each shipping container shall approximate 25-1/2 inches in length, 18-1/2 inches in width, and 16-3/4 inches in depth. Approximate dimensions are furnished as a guide only. A fiberboard pad, made of the same material as the container and cut 1/4 inch less than the inside length and width of the box liner, shall be placed between the two layers of canteens. Each container shall have the contents completely covered on the top and bottom with a sheet of 30 pound minimum basis weight kraft paper conforming to A-A-203. Each shipping container shall be closed in accordance with method III, waterproofed in accordance with method V, and reinforced as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.6. Shipping containers shall be arranged in unit loads in accordance with MIL-L-35078 for the type and class of load specified (see 6.2). Strapping shall be limited to nonmetallic strapping, except for type II, class F loads.

* 5.1.2 Level B. Sixty canteens, with caps screwed on finger tight, shall be packed in a fiberboard shipping container conforming to style RSC-L, type CF (variety SW) or SF, class domestic, grade 275 of PPP-B-636. The inside of each shipping container shall be fitted with a box liner conforming to type CF, class domestic, variety DW, grade 275 of PPP-B-636. The canteens shall be packed upright, five in length, six in width, and two in depth within a shipping container. Inside dimensions of each shipping container shall approximate 25-1/2 inches in length, 18-1/2 inches in width, and 16-3/4 inches in depth.

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Approximate dimensions are furnished as a guide only. A fiberboard pad, made of the same material as the container and cut 1/4 inch less than the inside length and width of the box liner, shall be placed between the two layers of canteens. Each container shall have the contents completely covered on the top and bottom with a sheet of 30 pound minimum basis weight kraft paper conforming to A-A-203. Each shipping container shall be closed in accordance with method II as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.6.

5.1.2.1 Weather-resistant shipping containers. When specified (see 6.2), the fiberboard shipping container shall be a grade V3c, V3s, or V4s fiberboard box fabricated in accordance with PPP-B-636 and closed in accordance with method III as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.6.

- * 5.1.3 Commercial. Canteens shall be packed in accordance with ASTM D 3951.
- * 5.2 Palletization. When specified (see 6.2), canteens packed as specified in 5.1.2 and 5.1.3, shall be palletized on a 4-way entry pallet in accordance with load type Ia of MIL-STD-147. Pallet types shall be type I (4-way entry), type IV, or type V in accordance with MIL-STD-147. Pallets shall be fabricated from wood groups I, II, III, or IV of MIL-STD-731. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means K and L or film bonding means O or P. Pallet pattern shall be number 90 in accordance with appendix of MIL-STD-147. Interlocking of loads shall be effected by reversing the pattern of each course.
- * 5.3 Marking. In addition to any special marking required by the contract, shipping containers and palletized unit loads shall be marked in accordance with MIL-STD-129 or ASTM D 3951, as applicable.

6. NOTES

6.1 Intended use. The canteen is intended primarily for use in temperate and tropical environments by individual military personnel for carrying drinking water.

- * 6.2 Ordering data. Acquisition documents should specify the following:
 - a. Title, number and date of this document.
 - b. When a first article is required (see 3.2, 4.3 and 6.5).
 - c. Selection of applicable level of packing (see 5.1).
 - d. Type and class of unit load required (see 5.1.1).
 - e. When weather-resistant grade fiberboard shipping containers are required for level B packing (see 5.1.2.1).
 - f. When palletization is required (see 5.2).

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- * 6.3 Samples and standard cup. For access to samples and standard cups, address the contracting activity issuing the invitation for bids.

6.4 Material shrinkage. Since the shrinkage characteristics of plastic materials are well recognized, it is the responsibility of the contractor to compensate for this factor in mold design in order to produce and supply a finished product in accordance with the specified drawings.

- * 6.5 First article. When a first article is required, it shall be inspected and approved under the appropriate provisions of FAR 52.209. The first article should be a preproduction sample. The contracting officer should specify the appropriate type of first article and the number of units to be furnished. The contracting officer should include specific instructions in all acquisition instruments regarding arrangements for selection, inspection, and approval of the first article.

- * 6.6 Recycled material. It is encouraged that recycled material be used when practical as long as it meets the requirements of this document (see 3.3).

- * 6.7 Subject term (key word) listing.

Canteen
Individual equipment
Water

- * 6.8 Changes from previous issue. The margins of this document are marked with an asterisk (*) 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 previous issue.

Custodians:

Army - GL
Navy - NU
Air Force - 99

Preparing activity:

Army - GL
Project No. 8465-0993

Review activities:

Army - MD
Navy - MC
* Air Force - 82, 11
DLA - CT

User activities:

* Air Force - 45

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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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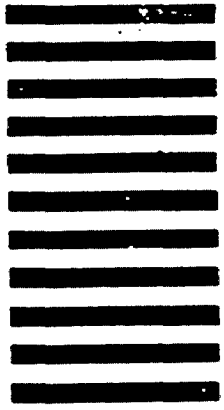


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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MIL-C-43103D		2. DOCUMENT TITLE CANTEEN, WATER, PLASTIC, WITH SCREW CAP	
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)	