

MIL-T-1748G
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SUPERSEDING
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MILITARY SPECIFICATION

TABLEWARE OUTFIT, FIELD

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

1. SCOPE

1.1 Scope. This specification covers tableware, dishes, and a portable chest, which when assembled comprise the complete field tableware outfit.

1.2 Classification. The complete tableware outfit may be procured as item 15. The component items 1 through 14 may be procured separately, as specified (see 6.2).

- Item 1 - Chest
- Item 2 - Bowl, sugar
- Item 3 - Coffee boiler
- Item 4 - Cup, drinking
- Item 5 - Dish, food serving
- Item 6 - Fork, table
- Item 7 - Knife, table
- Item 8 - Plate, dinner
- Item 9 - Plate, soup
- Item 10 - Pepper shaker
- Item 11 - Platter, food serving, oval
- Item 12 - Salt shaker
- Item 13 - Dessert spoon
- Item 14 - Teaspoon
- Item 15 - Tableware outfit, field (complete)

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

FSC 7360

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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:

SPECIFICATIONS

FEDERAL

- RR-F-450 - Flatware Stainless Steel
- PPP-B-636 - Boxes, Shipping, Fiberboard
- PPP-F-320 - Fiberboard; Corrugated and Solid, Sheet Stock (Container Grade), and Cut Shapes
- PPP-T-45 - Tape, Gummed, Paper, Reinforced and Plain, For Sealing and Securing

MILITARY

- MIL-C-1726 - Chest, Field, Tableware Outfit

STANDARDS

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
- MIL-STD-129 - Marking for Shipment and Storage

DRAWINGS

US ARMY NATICK RESEARCH AND DEVELOPMENT COMMAND

- 5-13-14 - Tableware Outfit, Field
- 5-13-2408 - Dish, Food Serving
- 5-13-2409 - Cup, Drinking, 10-Ounce

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

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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:

UNIFORM CLASSIFICATION COMMITTEE, AGENT

Uniform Freight Classification

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC., AGENT

National Motor Freight Classification

(Application for copies should be addressed to the American Trucking Associations, Inc., Traffic Department, 1616 P Street, N.W., Washington, DC 20036.)

(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.)

3. REQUIREMENTS

3.1 First article. When specified (see 6.2) the contractor shall furnish a sample for first article inspection and approval (see 4.2 and 6.3).

3.2 Materials. Materials shall be as specified on the applicable drawings. Materials not definitely specified shall be of the quality normally used by the manufacturer for tableware provided the completed items comply with all provisions of this specification (see 6.4).

3.3 Design and construction. The design and construction of the tableware outfit with component items shall conform to the applicable drawings. The complete tableware outfit, (item 15) shall consist of component items in the quantity per outfit specified in table I.

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TABLE I. Component items for complete tableware outfit
(item 15)

Item No. and name	Quantity per outfit	Requirement paragraph
Item 1 Chest	1	3.3.1
Item 2 Bowl, sugar	1	3.3.2
Item 3 Coffee boiler	1	3.3.3
Item 4 Cup, drinking	8	3.3.4
Item 5 Dish, food serving	2	3.3.5
Item 6 Fork, table	8	3.3.6
Item 7 Knife, table	8	3.3.7
Item 8 Plate, dinner	8	3.3.8
Item 9 Plate, soup	8	3.3.9
Item 10 Pepper shaker	2	3.3.10
Item 11 Platter, food serving, oval	1	3.3.11
Item 12 Salt shaker	2	3.3.12
Item 13 Dessert spoon	8	3.3.13
Item 14 Teaspoon	8	3.3.14

3.3.1 Item 1, chest. The chest shall conform to MIL-C-1726.

3.3.2 Item 2, bowl, sugar. The sugar bowl shall conform to the applicable requirements of Drawing 5-13-14.

3.3.3 Item 3, coffee boiler. The coffee boiler shall conform to the applicable requirements of Drawing 5-13-14.

3.3.4 Item 4, cup, drinking. The drinking cup shall conform to Drawing 5-13-2409.

3.3.5 Item 5, dish, food serving. The food serving dish shall conform to Drawing 5-13-2408.

3.3.6 Item 6, fork, table. The table fork shall conform to type 1, item II, style 1 of RR-F-450.

3.3.7 Item 7, knife, table. The table knife shall conform to type 1, item I, style 1 of RR-F-450.

3.3.8 Item 8, plate, dinner. The dinner plate shall conform to the applicable requirements of Drawing 5-13-14.

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3.3.9 Item 9, plate, soup. The soup plate shall conform to the applicable requirements of Drawing 5-13-14.

3.3.10 Item 10, pepper shaker. The pepper shaker shall conform to the applicable requirements of Drawing 5-13-14.

3.3.11 Item 11, platter, food serving, oval. The food serving platter shall conform to the applicable requirements of Drawing 5-13-14.

3.3.12 Item 12, salt shaker. The salt shaker shall conform to the applicable requirements of Drawing 5-13-14.

3.3.13 Item 13, dessert spoon. The dessert spoon shall conform to type 1, item III, style 2 of RR-F-450.

3.3.14 Item 14, teaspoon. The teaspoon shall conform to type 1, item III, style I of RR-F-450.

3.4 Finish. All finished surfaces shall be clean and free of scratches and imbedded matter. All fabrication marks shall be removed.

3.5 Workmanship. All metal components shall be clean and free of sharp edges, sharp corners, dents, pits, punctures, fractures, and deformities. Molded plastic components shall be clean, uniform in color, and free of rough edges, chips, scratches, fractures, holes, and deformities. All fusion welds shall be clean, smooth, continuous, and free of porosity, pits, blowholes, cracks, inclusions, and undercuts. Spot or resistance welds shall show no visible evidence of surface burning. Rivet heads shall be full, evenly peened, concentric with the rivet holes, and shall be in full contact with the joined material. All fastenings shall be drawn up tight.

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.

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

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1. First article inspection (see 4.3)
2. Quality conformance inspection (see 4.4)

4.3 First article inspection. When a first article is required, it shall be examined for the defects in table III and for compliance with dimensions specified on referenced drawings. The presence of any defects listed in table III or any dimension not within specified requirements shall be cause for rejection of the first article.

4.4 Quality conformance inspection. Except as otherwise specified herein, 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 for conformance with all the requirements of referenced specifications, drawings, and standards unless otherwise excluded, amended, modified, or qualified in this specification or applicable purchase document.

4.4.2 In-process inspection.

4.4.2.1 Visual item examination. Examination shall be made of the items listed in table II in accordance with the classification of defects listed in table III. The inspection level shall be II with an acceptable quality level (AQL) of 2.5 for major defects and 6.5 for total defects, expressed in terms of defects per hundred units. The sample unit for the examination shall be one completely fabricated item, as applicable. The lot shall be the number of any one item offered for inspection at one time.

TABLE II. Items to be examined

Item number	Name
2	Bowl, sugar
3	Coffee boiler
4	Cup, drinking
5	Dish, food service
8	Plate, dinner
9	Plate, soup
10	Pepper shaker
11	Platter, food serving, oval
12	Salt shaker

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TABLE III. Classification of defects

Examine	Defect	Classification	
		Major	Minor
Finish (all items)	Dirty, scratches, area of no finish, finish not uniform		X
	Imbedded foreign material, fabrication marks	X	
Aluminum items	Not a uniform frosted finish		X
	Items 5, 8, 9, and 11 do not have an anodic coating	X	
Drinking cup	Not a number 4 standard polish or better	X	
Fastenings (stove bolt, lockwasher, and nut)	Not zinc plated		X
Plastic parts	Not specified color (black or brown)		X
	Not a gloss finish obtained during molding		X
	Not uniform color		X
Workmanship (all components)	Sharp or rough edges, corners, or surfaces; chips	X	
	Fractures, deformities	X	
	Any part missing	X	
Welds	Porosity, pits, blowholes, inclusions, undercuts, missing	X	
	Not smooth, surface burns		X
Rivets	Missing, not in full contact with joined metal	X	
	Not evenly peened		X
Fastenings	Not drawn tight		X
Marking	Missing, illegible, not as specified		X
	Surface opposite indented markings penetrated or distorted	X	

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4.4.2.2 Dimensional examination. Each of the items listed in table II shall be examined to determine compliance with the dimensions specified on applicable referenced drawings. Any nonconformance to dimensions specified shall be considered a defect. The inspection level shall be S-2 with an AQL of 4.0 expressed in terms of defects per hundred units.

- * 4.4.3 End item inspection. The inspection lot shall consist of all tableware outfits offered for inspection at one time. The sample unit shall be one complete outfit.

4.4.3.1 Quantity of items. When furnished as a complete tableware outfit (item 15), each outfit shall be examined to determine compliance with the quantity of items per outfit shown in table I. Any nonconformance shall be cause for rejection of the outfit.

4.4.4 Inspection of packaging. An inspection shall be made to determine that preservation-packaging, packing, and marking as required by section 5 are complied with. Defects shall be as specified in table IV. The inspection level shall be S-2 with an AQL of 4.0 defects, expressed in terms of defects per hundred units. The sample unit shall be one shipping container fully prepared for delivery except it need not be closed. The lot shall consist of all shipping containers offered for inspection at one time.

TABLE IV. Inspection of packaging

Examine	Defect
Markings	Omitted; incorrect; illegible; of improper size, location sequence, or method of application.
Materials	Any nonconforming component; component missing or damaged.
Workmanship	Inadequate application of components such as incomplete closure of container flaps, loose strapping, inadequate stapling; bulging or distortion of containers.
Contents	Contents per container is more or less than required.

5. PACKAGING

5.1 Preservation-packaging. Preservation-packaging shall be level A or C, as specified (see 6.2).

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5.1.1 Level A.

5.1.1.1 Unit packaging. Components of each tableware outfit shall be unit packaged in the quantity specified in table V. Components unit packaged in quantities greater than one, except salt and pepper shakers, shall be nested one type only, with each item interleaved, with 20-pound minimum basis weight per ream (24 by 36-500) (32 g/m²) kraft wrapping paper. Knives shall be nested, reversed end for end, and forks nested with tines at one end. Each unit package shall be completely wrapped in the paper specified and the wrap secured with gummed paper tape a minimum of 2 inches (51 mm) in width, conforming to type III, grade B of PPP-T-45. Prior to wrapping, the coffee boiler and sugar bowl covers shall be wrapped and replaced in an inverted position. Unit packaged components, when procured as separate items, shall be intermediate packaged as specified in 5.1.1.2.

5.1.1.2 Intermediate packaging (for components when procured as separate items only). Drinking cups, sugar bowls, and coffee boilers, unit packaged as specified in 5.1.1.1 shall be packaged in quantities as specified in table V in a snug-fitting fiberboard box conforming to style RSC, type CF, variety optional, class domestic, grade 200 of PPP-B-636. Closure shall be in accordance with the appendix of PPP-B-636.

TABLE V. Packaging of field tableware outfit components

Item	When procured as one complete outfit	When procured as separate items		
	Quantity per unit packaged	Quantity per unit package	Quantity per interm. pack	Quantity per pack
Bowl, sugar	1	1	12	144
Coffee boiler	1	1	6	72
Cup, drinking, 10 oz.	8	6	12	288
Dish, food serving	2	36	--	144
Fork 1/	8	--	--	--
Knife 1/	8	--	--	--
Plate, eating, dinner	8	36	--	144
Plate, eating, soup	8	36	--	144
Pepper shaker	2	--	--	288
Platter, food serving	1	36	--	72
Salt shaker	2	--	--	288
Dessert spoon 1/	8	--	--	--
Teaspoon 1/	8	--	--	--
Chest 2/	-	--	--	--

1/ See RR-F-450

2/ See MIL-C-1726

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5.1.2 Level C.

5.1.2.1 Field tableware outfit, complete. Components of each tableware outfit shall be packaged as specified in 5.1.1.

- * 5.1.2.2 Field tableware outfit components (when procured as separate items). Components of each field tableware outfit shall be packaged to afford adequate protection against damage during shipment from the supply source to the first receiving activity. The package and the quantity per package shall be the same as that normally used by the contractor for retail distribution.

5.2 Packing. Packing shall be level A, B, or C, as specified (see 6.2).

5.2.1 Level A packing.

5.2.1.1 Field tableware outfit, complete. Each field tableware outfit, preserved-packaged as specified in 5.1, shall be packed in accordance with MIL-C-1726.

5.2.1.2 Field tableware outfit, components (when procured as separate items).

- * 5.2.1.2.1 Bowl, sugar; coffee boiler; cup, drinking; plate, eating, dinner; plate, eating, soup; dish, food serving; platter, food serving; and salt and pepper shakers. Sugar bowls, coffee boilers, drinking cups, plates, dishes, platters and salt and pepper shakers of one type only, preserved-packaged as specified in 5.1, shall be packed in the quantities specified in table V in a snug-fitting fiberboard shipping container conforming to style RSC, V2s of PPP-B-636. Each shipping container for salt and pepper shakers shall be provided with slotted partitions, top and bottom pads, and layer pads conforming to grade V3c or V3s of PPP-F-320. The salt and pepper shakers shall be arranged within the container, nine in length, eight in width, and four in depth. Each box shall be closed in accordance with Method III, waterproofed in accordance with Method V and reinforced in accordance with the appendix of PPP-B-636.

5.2.1.2.2 Tableware. Tableware, preserved-packaged as specified in 5.1, shall be packed in accordance with the applicable requirements of RR-F-450.

5.2.1.2.3 Chest, field tableware outfit. Chests shall be packed in accordance with MIL-C-1726.

5.2.2 Level B packing.

5.2.2.1 Field tableware outfit, complete. Each field tableware outfit, packaged as specified in 5.1, shall be packed in accordance with MIL-C-1726.

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- * 5.2.2.2 Field tableware outfit, components (when procured as separate items). Unless otherwise specified (see 5.2.2.2.1), field tableware outfit components, preserved-packaged as specified in 5.1, shall be packed in the manner specified in 5.2.1.2, in a snug-fitting fiberboard shipping container conforming to style RSC, type CF, variety optional, or type SF, class domestic of PPP-B-636. Each shipping container for salt and pepper shakers shall be provided with slotted partitions, top and bottom pads, and layer pads conforming to type CF, class domestic, variety SW, grade 125 of PPP-F-320. Each shipping container shall be closed in accordance with method II as specified in the appendix of PPP-B-636.
- * 5.2.2.2.1 Weather-resistant fiberboard shipping container. When specified (see 6.2), the shipping container shall conform to style RSC, grade V3c, V3s or V4s fiberboard box conforming to PPP-B-636, and shall be closed in accordance with Method III of the appendix thereto.
- * 5.2.3 Level C packing. Field tableware outfits shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. Containers shall be in accordance with Uniform Freight Classification or National Motor Freight Classification as applicable. The quantity per shipping container shall be the same as that normally used by the contractor for retail distribution.

5.3 Marking.

5.3.1 Field tableware outfit, complete. In addition to any special marking required by the contract, each chest shall be marked in accordance with MIL-C-1726.

5.3.2 Field tableware outfit components (when procured as separate items). In addition to any special marking required by the contract, interior packages and shipping containers shall be marked in accordance with MIL-STD-129.

6. NOTES

6.1 Intended use. The field tableware outfit covered by this specification is intended to be used by troops for feeding in the field.

6.2 Ordering data. Procurement documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Item(s) required (see 1.2).
- (c) When a first article is required (see 3.1, 4.3, and 6.3).
- (d) When weather-resistant class fiberboard shipping containers are required for level B packing (see 5.2.2.2.1).
- (e) Selection of the applicable level of packaging and packing (see 5.1 and 5.2).

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6.3 First article. When a first article is required, it shall be inspected and approved under the appropriate provisions of ASPR 7-104.55. The first article should be a preproduction sample, described under the definition of a first article in the ASPR. The first article should consist of one complete outfit or one component of each type required (see table II). The contracting officer should include specific instructions in all procurement instruments regarding arrangements for inspection and approval of the first article.

- * 6.4 Recycled material. It is encouraged that recycled material be used when practical as long as it meets the requirements of the specification (see 3.2).

6.5 Changes from previous issue. The margins of this specification 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 last previous issue.

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