

MIL-C-1472F  
31 March 1978  
SUPERSEDING  
MIL-C-1472E  
29 September 1972

**MILITARY SPECIFICATION**

**COMMISSARY OUTFITS, FIELD BREAKDOWN**

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

**1. SCOPE**

1.1 Scope. This specification covers two types of field breakdown commissary outfits (see 6.1).

1.2 Classification. The commissary field breakdown outfits shall be of the following types, as specified (see 6.2):

- Type I - Components as listed in table I.
- Type II - Components as listed in table II.

**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**

- H-B-1490/1 - Brush, Scrub, Hand
- KK-L-271 - Leather, Cattlehide, Strap, Vegetable Tanned

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.

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- MN-H-93 - Handles: Hickory, Striking Tool
- SS-C-646 - Crayon, Marking, Lumber
- SS-S-736 - Stone, Sharpening
- VV-L-820 - Lubricating Oil, General Purpose (Light)
- GGG-B-101 - Bar, Chisel, Pinch, Pry, Wrecking, Digging, Tamping, Digging and Tamping, and Crowbar
- GGG-C-746 - Cutlery, Galley and Kitchen
- GGG-C-835 - Cutter, Steel Strapping
- GGG-H-131 - Hatchet (Claw, Half, Lathing, Broad and Barral)
- GGG-K-494 - Knives: General Purpose Shop, Detachable Blade
- GGG-O-599 - Opener, Crate
- GGG-P-471 - Pliers
- GGG-S-65 - Saw, Hand
- GGG-S-121 - Screwdriver and Screw Starter, Hand
- GGG-S-291 - Shears, Metal Cutting; Bench and Hand
- GGG-T-558/4 - Tool Box, Portable (Carpenter's Type)
- FFP-B-636 - Boxes, Shipping, Fiberboard
- FFP-C-96 - Cans, Metal, 28 Gage and Lighter
- FFP-C-843 - Cushioning Material, Cellulosic
- FFP-P-291 - Paperboard, Wrapping and Cushioning
- FFP-T-45 - Tape, Gummed, Paper, Reinforced and Plain, For Sealing and Securing

## MILITARY

- MIL-P-116 - Preservation-packaging, Methods of
- MIL-B-121 - Barrier Material, Greaseproofed, Waterproofed, Flexible

## STANDARDS

## MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
- MIL-STD-129 - Marking for Shipment and Storage
- MIL-STD-147 - Palletized and Containerized Unit Loads For 40" x 48" Pallets

(Copies of specifications and standards required by contractors in connection with specific procurement functions should be obtained from the procuring 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:

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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.)

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.)

(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 4.3 and 6.3).

\* 3.2 Standard product. The nail files delivered under this specification shall be the manufacturer's commercial standard product except for any changes necessary to comply with specification requirements.

3.3 Materials. Materials not definitely specified shall be of the quality normally used by the manufacturer in commercial practice provided the completed items comply with all provisions of this specification (see 6.4).

3.4 Design and construction. The design and construction of all components covered herein shall conform to the requirements of this specification and referenced specifications. The type I and II commissary outfits shall conform to the number of items and the specifications listed in tables I and II.

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TABLE I. Type I commissary outfit

<u>Quantity</u>	<u>Nomenclature</u>
1	Bar, wrecking, 24 inch (610 mm) conforming to type V, class 1, style A of GGG-B-101
1 box	Crayon, marking, black, 4-1/2 inches (115 mm) long, 12 per box conforming to composition I, medium, color black of SS-C-646
1	Cutter, steel strapping, 2 inch (51 mm) maximum cut, 25 inches (635 mm) long conforming to type II of GGG-C-835
1	Handle, hatchet, 14 inch (355 mm) conforming to type IV of MN-B-93
1	Hatchet conforming to type B of GGG-H-131
1	Knife, steak, conforming to type VII of GGG-C-746
1	Can, 4 ounce (120 ml), conforming to type V, class 6 of PPP-C-96 and shall be filled with lubricating oil conforming to VV-L-820
1	Opener, crate, conforming to size II of GGG-O-599
1	Pliers, 8 inch (200 mm), conforming to type IX, class 1, style A of GGG-P-471
1	Saw, hand, 24 inch (610 mm), 10 point conforming to type V, style B, class 1 of GGG-S-65

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TABLE I. Type I commissary outfit (cont'd)

<u>Quantity</u>	<u>Nomenclature</u>
1	Screwdriver, 8 inch (200 mm) blade, conforming to type I, class 5, style 1, design A or B, shape b of GGG-S-121
1	Shears, metal cutting, 12-1/2 inch (318 mm) conforming to type II, class I, style A of GGG-S-291
1	Stone, sharpening, conforming to type I, class A-1, size 5 of SS-S-736
1	Knife, general purpose, conforming to type I of GGG-K-494
1	Tool box, portable conforming to type IV of GGG-T-558/4

TABLE II. Type II commissary outfit

<u>Quantity</u>	<u>Nomenclature</u>
1	Bar, wrecking, 24 inch (610 mm) conforming to type V, class 1, style A of GGG-B-101
1	Brush, hand scrub, conforming to Part Number H-B-1490/1 - P1
1 box	Crayon, marking, black, 4-1/2 inches (115 mm) long, 12 per box conforming to composition 1, medium, color black of SS-C-646

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TABLE II. Type II commissary outfit (cont'd)

Quantity	Nomenclature
1	Cutter, steel strapping, 2 inch (51 mm) maximum cut, 25 inches (635 mm) long conforming to type II of GGG-C-835
1	File, nail, 8 inch (200 mm). The 8 inch (200 mm) nail file shall be a commercial type, made of steel, triple cut, with an electrozinc or cadmium finish
1	Handle, hatchet, 14 inch (355 mm) conforming to type IV of MN-H-93
1	Hatchet conforming to type B of GGG-H-131
1	Can, 4 ounce (120 ml) conforming to type V, class 6 of PPP-C-96 and shall be filled with lubricating oil conforming to WV-L-820
1	Opener, crate, conforming to size II of GGG-O-599
1	Pliers, 8 inch (200 mm) conforming to type IX, class 1, style A of GGG-P-471
1	Saw, hand, 24 inch (610 mm), 10 point, conforming to type V, style B, class 1, of GGG-S-65
1	Screwdriver, 8 inch (200 mm) blade, conforming to type I, class 5, style 1, design A or B, shade b of GGG-S-121
1	Shears, metal cutting, 12-inch (318 mm), conforming to type II, class 1, style A of GGG-S-291
1	Tool box, portable conforming to type IV of GGG-T-558/4

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3.4.1 Sheath. A sheath for the hatchet and the steak knife shall be fabricated from 5 ounce (3 mm thick) leather conforming to any type, class 1 of KK-L-271. The sheaths shall completely protect the cutting edges of the hatchet (type B of GCG-H-131) and the steak knife (type VII of GCG-C-746). The nail file shall have a sheath fabricated from 2 ounce (1 mm thick) leather conforming to any type, class 1 of KK-L-271. The sheath shall cover the point and extend three-fourths of the length of the file.

3.5 Dimensions. The manufacturer's commercial material thickness and tolerances shall apply for the nail file.

3.6 Marking for identification. Identification marking shall be as specified in the individual specification for each component.

3.7 Workmanship. The workmanship of each component shall be in accordance with the applicable specification.

#### 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 inspections. The inspection requirements specified herein are classified as follows:

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, a sheath of each type specified shall be examined for defects listed in table III and dimensions specified. 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.

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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 specifications and standards unless otherwise excluded, amended, modified, or qualified in this specification or applicable purchase document.

4.4.1.1 Visual examination. The sheaths shall be examined for defects listed in table III. The inspection lot shall consist of all sheaths of one type offered for inspection at one time. The sample unit for this inspection shall be one completely fabricated sheath. The inspection level shall be S-2 with an acceptable quality level (AQL) of 2.5 expressed in terms of defects per hundred units.

\* TABLE III. Examination of sheaths for visual defects

<u>Examine</u>	<u>Defect</u>
Sheath, hatchet, steak knife, and nail file	Not proper thickness Does not protect entire cutting edge

4.4.2 Dimensional examination. Examination shall be made of the nail file to determine compliance with dimensions specified. Any deviation from dimensions specified or commercial tolerances as applicable shall constitute 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 commissary outfits of one type offered for acceptance at one time. The sample unit for this inspection shall be one completely fabricated and assembled commissary outfit.

4.4.3.1 Visual examination of end item. Examination shall be made of the commissary outfit for missing components. The inspection level shall be S-2 with an AQL of 2.5 for total defects, expressed in terms of defects per hundred units.

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

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TABLE IV. Examination of packaging

<u>Examine</u>	<u>Defect</u>
Markings (exterior)	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application
Materials	Any component missing, damaged, defective, or not as specified
Workmanship	Cushioning inadequate, improper, or missing Bulged or distorted containers
Contents	Number per container more or less than required
Preservation	Preservation improperly applied or missing

\* 4.4.4.1 Examination of shipping containers. When shipping containers are required to be in accordance with FPP-B-636, examination for defects in closure, waterproofing, and reinforcing shall be in accordance with the appendix of PPP-B-636.

\* 4.4.5 Examination of palletization. When applicable, an examination shall be made to determine that palletization is in compliance with section 5. Defects shall be as specified in table V. The sample unit shall be one palletized unit load ready for shipment. The lot shall be the number of palletized unit loads submitted for inspection at one time. The inspection level shall be S-1 with an AQL of 6.5 expressed in terms of defects per hundred units.

TABLE V. Examination of palletization

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

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## 5. PACKAGING

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

5.1.1 Level A.5.1.1.1 Preservation.

5.1.1.1.1 Cleaning and drying. All surfaces to which a preservative is to be applied shall be cleaned by process C-1 of MIL-P-116, and thoroughly dried.

5.1.1.1.2 Application of preservative. All ferrous or nonferrous metal surfaces, including plated or chemically finished surfaces, shall be coated with preservative specified in table VI, except preservative shall not be applied to painted or lacquered surfaces, or to chemically treated surfaces which have been given a last bath in preservative specified in table VI for the item. Care shall be taken to prevent nonmetallic materials from contacting the preservative on metallic parts.

TABLE VI. Preservation

Item	Preservative type in accordance with MIL-P-116
Bar, wrecking	P-1 or P-2
Brush, hand	None
Crayon, marking	None
Cutter, steel strapping	P-2 or P-6
File, nail	None
Handle, hatchet	None
Hatchet, claw	P-1 or P-2
Knife, general purpose	P-1 or P-2
Knife, steak	P-14
Lubricating oil	None
Opener, crate	P-1 or P-2
Pliers, lineman's	P-2 or P-6
Saw, hand	P-1 or P-2
Screwdriver	P-1 or P-2
Shears, metal cutting	P-2
Sheaths, leather	None
Stone, sharpening	None
Tool Box	None

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5.1.1.2 Protection of preservative. Items coated with preservative, except type P-1 which has been allowed to thoroughly dry, shall be wrapped in greaseproof barrier-material conforming to MIL-B-121.

5.1.1.3 Packaging. All items, except the sheaths, hatchet handle, and oil can shall be completely and individually wrapped in cushioning material conforming to type III, style 1 or 2 of PPP-P-291 or type I or II, class B of PPP-C-843 and the wrap secured with gummed paper tape conforming to type III of PPP-T-45. Knives and hatchet wrapped in cushioning material other than type III of PPP-P-291 shall have the cutting surfaces covered with a fiberboard sleeve prior to wrapping. Items shall be placed in the tool box and all voids in the box filled with cushioning material.

5.1.2 Level C. Each outfit shall be preserved and packaged to afford adequate protection against corrosion, deterioration, and damage during shipment from the supply source to the first receiving activity. The contractor may use his standard practice when it meets these requirements.

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

- \* 5.2.1 Level A packing. One complete outfit, preserved-packaged as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC, grade V2s of PPP-B-636. Fiberboard inserts shall be positioned within the shipping container to fill all voids caused by projections on the tool box. Each fiberboard 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.
- \* 5.2.2 Level B packing. One complete outfit, preserved-packaged as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC, type CF (variety SW) or SF, class domestic of PPP-B-636. Fiberboard inserts shall be positioned within the shipping container to fill all voids caused by projections on the tool box. Each fiberboard container shall be closed in accordance with method II as specified in the appendix of PPP-B-636.
- \* 5.2.2.1 Weather-resistant fiberboard 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.

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- \* 5.2.3 Level C packing. Outfits, preserved-packaged as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. The quantity per shipping container shall be the same as that normally used by the contractor for retail distribution. Containers shall be in accordance with Uniform Freight Classification or National Motor Freight Classification, as applicable.
  - \* 5.3 Palletization. When specified (see 6.2), commissary outfits packed as specified shall be palletized in accordance with load type I of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means K and L. Pallet patterns shall be in accordance with the appendix of MIL-STD-147. Interlocking of loads shall be affected by reversing the pattern of each course. If the container is of a size which does not conform to any of the pallet patterns specified in MIL-STD-147, the pallet pattern used shall be first approved by the contracting officer.
- 5.4 Marking. In addition to any special marking required by the contract or order, shipping containers and palletized unit loads shall be marked in accordance with MIL-STD-129.

## 6. NOTES

- \* 6.1 Intended use. The commissary outfits are intended for use at Military ration breakdown points where bulk subsistence items are divided into smaller quantities as required by the using unit. The type I outfit is for Army use and the type II outfit is for Marine Corps use.
- \* 6.2 Ordering data. Procurement documents should specify the following:
  - (a) Title, number, and date of this specification.
  - (b) Type of outfit required (see 1.2 and 6.1).
  - (c) When a first article is required for inspection and approval (see 3.1, 4.3, and 6.3).
  - (d) Selection of the applicable levels of preservation-packaging and packing (see 5.1 and 5.2).
  - (e) When weather-resistant fiberboard shipping containers are required for level B packing (see 5.2.2.1).
  - (f) When palletization is required (see 5.3).

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\* **6.3 First article.** When a first article is required it shall be examined and approved under the appropriate provisions of ASPR 7-104.55. The first article should be a preproduction sample consisting of one commissary outfit. 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.

**6.5 Metric equivalents.** Metric equivalents, indicated in parentheses throughout this document, are based on practices, conversion factors, and symbols specified in ASTM E 380 Standard for Metric Practice, and are for information only. In each instance, the value stated in US customary units shall be controlling.

**6.6 Changes from previous issue.** The margins of this specification have been 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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