

INCH-POUND

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MILITARY SPECIFICATION

LITTER, FOLDING, RIGID POLE, DECONTAMINABLE

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

1. SCOPE

1.1 Scope. This specification covers one type of rigid, aluminum pole, folding litter.

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.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Headquarters, Defense Personnel Support Center, ATTN: Directorate, Medical Materiel, DPSC-MBP, 2800 South 20th Street, Building 9-3-F, Philadelphia, PA 19145-1010 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC/NA

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FSC 6530

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SPECIFICATIONS

FEDERAL

L-P-410	- Plastic, Polyamide (Nylon), Rigid, Rods, Tubes, Flats, Molded and Cast Parts
P-C-436	- Cleaning Compound, Alkali, Boiling Vat (Soak) or Hydrostream
V-T-285	- Thread, Polyester
QQ-A-200/3	- Aluminum Alloy 2024, Bar, Rod, Shapes, Tube and Wire, Extruded
QQ-A-200/8	- Aluminum Alloy 6061, Bar, Rod, Shapes, Tube and Wire, Extruded
QQ-A-225/5	- Aluminum Alloy, 2017, Bar, Rod, and Wire; Rolled, Drawn, or Cold Finished
QQ-A-225/6	- Aluminum Alloy Bar, Rod, and Wire, Rolled, Drawn, or Cold Finished, 2024
QQ-A-225/8	- Aluminum Alloy, 6061, Bar, Rod, Wire, and Special Shapes, Rolled, Drawn, or Cold Finished
QQ-S-763	- Steel Bars, Wire, Shapes, and Forgings, Corrosion Resisting
WW-T-700/6	- Tube, Aluminum Alloy, Drawn, Seamless, 6061
PPP-B-566	- Boxes, Folding, Paperboard
PPP-B-576	- Boxes, Wood-Cleated, Panelboard
PPP-B-601	- Boxes, Wood, Cleated-Plywood
PPP-B-621	- Box, Wood, Nailed and Lock-Corner
PPP-B-676	- Boxes, Setup

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- MIL-F-495 - Finish, Chemical, Black, for Copper Alloys
- MIL-C-5541 - Chemical Conversion Coatings on Aluminum and Aluminum Alloys
- MIL-L-10547 - Liner, Case, and Sheet, Overwrap, Water-Vaporproof or Waterproof, Flexible
- MIL-G-21164 - Grease, Molybdenum Disulfide for Low and High Temperatures, NATO Code G-353
- MIL-P-23377 - Primer Coatings, Epoxy, Chemical and Solvent Resistant
- MIL-C-46168 - Coating, Aliphatic Polyurethane, Chemical Agent Resistant
- MIL-C-53039 - Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant

STANDARDS

FEDERAL

- FED-STD-141 - Paint, Varnish, Lacquer and Related Materials, Methods of Inspection, Sampling and Testing
- FED-STD-191 - Textile Test Methods
- FED-STD-595 - Colors Use In Government Procurement
- FED-STD-751 - Stitches, Seams, and Stitchings

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- MIL-STD-129-2 - Marking for Shipment and Storage Medical Material
- MIL-STD-171 - Finishing of Metal and Wood Surfaces
- MIL-STD-2073-1 - Standard Practice for Military Packaging

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DRAWINGS

Defense Personnel Support Center (DPSC)

60136FD - Litter, Folding, Rigid Pole,
and all drawings Decontaminable

(Copies of specifications, standards, handbooks, 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 DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

ANSI/ASQC Z1.4 Sampling Procedures and Tables for
Inspection by Attributes.

(Application for copies should be addressed to the American National Standards Institute, 1430 Broadway, New York, NY 10018.)

AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)

ASTM B 21	Standard Specification for Naval Brass Rod, Bar and Shapes
ASTM D 1974	Standard Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Shipping Containers
ASTM D 3951	Standard Practice for Commercial Packaging
ASTM D 5118	Standard Practice for Fabrication of Fiberboard Shipping Containers

(Application for copies should be addressed to the ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

COLOR ASSOCIATION OF THE UNITED STATES, INC. (CAUS)

United States Army Standard Color Card for the Official Standardized Shades of Sewing Threads.

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(Application for copies should be addressed to the Official Color Association of the United States, Inc., 200 Madison Avenue, New York, NY 10016.)

2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein (except for associated detail specifications, specification sheets or MS standards), 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 Drawings. The individual item requirements shall be as specified herein and in accordance with Drawing 60136FD and all drawings. Any conflict between the requirements of this specification and the drawings shall be referred to the contracting officer for resolution. The drawings are end-product drawings. No deviation from dimensions or tolerances is permissible without approval of contracting officer. Where tolerances could cumulatively result in incorrect fit, contractor shall provide tolerances within those prescribed on the drawings to ensure correct fit, assembly, and operation of litter. Any data (e.g., shop drawings, layouts, flow sheets, processing procedures, etc.) prepared by contractor or obtained from vendor to support fabrication and manufacture of production item shall be made available, upon request, for inspection by contracting officer or his designated representative.

3.2 First article. When specified (see 6.3), a sample shall be subjected to first article inspection (see 4.3 and 6.3).

3.3 Material. Materials shall conform to applicable portions of specifications, standards, and drawings listed in section 2 and be subjected to tests and meet requirements specified therein. Metals shall conform to chemical requirements of their applicable specifications when tested as specified in 4.6.2.

3.3.1 Litter poles. Litter poles shall be made of aluminum-alloy tubing 6061-T6, 1.260 inches inside diameter, 0.120-inch wall conforming to WW-T-700/6 or QQ-A-200/8.

3.3.2 Stirrups. Stirrups shall be formed from 6061-T6 aluminum, conforming to QQ-A-225/8.

3.3.3 Spreader bar, coupler, bolt block, and saddle. Spreader bar, coupler, bolt block, and saddle shall be formed from 2024-T4 aluminum, conforming to QQ-A-200/3 or QQ-A-225/6.

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3.3.4 Stop lug. Stop lug shall be formed from 2017-T4 aluminum conforming to QQ-A-225/5.

3.3.5 Stirrup bolt, rivets, and drive pin. Stirrup bolt and rivets shall be formed from corrosion-resistant steel conforming to Class 302 and 304 of QQ-S-763.

3.3.6 Nut for bolt. Nut for bolt shall be elastic stop, self-locking type, made of corrosion resistant steel, 18-thread, with fiber insert as an integral part of the nut.

3.3.7 Bushing. Bushing shall be made of brass per ASTM B21.

3.3.8 Litter cover.

3.3.8.1 Polypropylene mesh for cover. The woven monofilament polypropylene mesh for the cover has been tested by the U.S. Army Medical Materiel Development Activity (USAMMDA) for strength, flame retardancy, toxicity, and resistance to chemical warfare agents and decontaminating solutions. Only the polypropylene mesh described on Source Control Drawing 40132FD when procured from the vendor(s) listed thereon is approved by USAMMDA, Fort Detrick, Frederick, Maryland 21702-5009, for use in the application specified thereon. A substitute item shall not be used without prior approval by USAMMDA. The polypropylene mesh, monofilament, shall be in accordance with Drawing 40132FD.

3.3.8.2 Thread. Thread shall be in accordance with Federal Specification V-T-285, Thread, Polyester, Type I, Class I, subclass B-NW-1, Color: S-1 Service Olive, 16 ounce, left 2-twist.

3.3.9 Button. Button shall be aluminum 6061-T6 alloy per Federal Specification QQ-A-200/8 or QQ-A-225/8.

3.4 Construction. Construction shall conform to Drawing 60130FD. Each litter shall be furnished with two spreader bar and stirrup assemblies, two poles with handles, mesh cover, and two securing strap assemblies. Litter shall pass tests specified in 4.6.1.

3.4.1 Spreader bar, stirrup assemblies, and poles. Spreader bar assemblies, stirrup assemblies, and poles shall have all sharp edges removed and corners slightly rounded.

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3.4.2 Handles. Handles shall be molded of polyamide, polyhexamethylene (nylon 6/6) per L-P-410. Handles shall slide freely into poles for the entire length of the handle. All molding flash shall be removed flush to base material.

3.4.2.1 Locking Button. When installed in handle, locking button shall operate without binding and shall return to the full up position when released. Spring shall fit freely into the 0.375 inch diameter bore of the button.

3.4.3 Cover. Cover shall be fabricated from a single piece of honeycomb polypropylene mesh and conform to Drawing 60129FD. Warp of mesh shall run parallel to long axis of cover. Turnunders and seams shall be neat and no loose or raveled edges shall be exposed. When bought separately, covers shall be furnished without bolt holes.

3.4.3.1 Stitching. All stitching shall be machine stitching conforming to stitch Type 301 of FED-STD-751. There shall be six stitches per inch. When machine stitching is not a continuous thread, it shall be backstitched not less than 1/2 inch at each break. All stitching shall be back tacked not less than 1/4 inch at the ends to prevent raveling, except where ends are turned under in a hem or held down by other stitching. Thread tension shall be properly maintained so that it is embedded in center of materials sewed. All edges which are not selvaged shall be hemmed with stitching Type Efb-1 in accordance with FED-STD-751. All seams shall be straight and evenly spaced.

3.4.4 Securing strap assembly. Each strap assembly shall consist a left and a right buckle and a left and a right strap per Drawing 30258FD. Each buckle shall be attached to strap by placing strap through respective buckle and stitching in place.

3.4.4.1 Straps. Straps shall be plain polypropylene mesh per Drawing 40152FD and shall conform to Drawing 30256FD.

3.4.4.2 Buckles. Two-piece buckle shall conform to Drawing 20366FD.

3.5 Finish.

3.5.1 Chemical cleaning. All metal surfaces shall be chemically cleaned and degreased according to P-C-436 prior to chemical treatment, plating, or painting.

3.5.2 Aluminum parts. All aluminum surfaces shall be finished with a chemical film conforming to MIL-C-5541.

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3.5.3 Primer. After chemical cleaning, chemical treatment or coating, a primer coat shall be applied to all parts. Primer coating shall be Epoxy, Chemical Solvent Resistant in accordance with MIL-P-23377. Primer coat shall form a base coat for polyurethane top coat.

3.5.4 Top coat. Top coat of polyurethane coating shall be in accordance with MIL-C-46168 or MIL-C-53039.

3.5.4.1 Color. Color of final finish shall be lusterless, olive-drab conforming to color 34094 of FED-STD-595.

3.5.5 Handles. No finish shall be applied to the handles.

3.5.6 Lubrication. All parts shall be free of oil and grease except joints of moving parts which shall be lubricated with molybdenum disulfide grease per MIL-G-21164.

3.6 Identification marking. Spreader bar and stirrup assemblies and mesh cover shall be permanently and legibly marked with name or registered trademark of manufacturer. On the underside of the litter cover, approximately 4 inches from end and centrally located, shall be placed the letters "U.S." 4 inches high. Litter cover shall also be marked with contract number. Marking shall be done with black waterproof ink or waterproof stencil paint. When spreader bar assembly is procured separately, the underside of one spreader bar shall be permanently and legibly marked with name or registered trademark of manufacturer and contract number.

3.7 Workmanship. Litters shall be free from defects which detract from appearance or may impair serviceability.

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, 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.

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4.1.1 Inspection. Inspection, as used in this specification, is defined as both examination (such as visual, auditory, and investigation without the use of special laboratory appliances or procedures) and testing (determination by technical means of physical and chemical properties) of the item.

4.1.1.1 Component and material inspection. The contractor is responsible for ensuring components and materials are manufactured, examined, and tested in accordance with referenced specifications, standards, and drawings, as applicable.

4.1.1.2 Disassembly inspection. Failure of first article to pass any examination or test shall be cause for disassembly in the presence of a Government representative. Each disassembled part shall be examined in detail for compliance with this specification requirements for tolerances, and workmanship. Parts not complying with such requirements shall be rejected and be cause for rejection of first article. Reassembly with replacement parts and retesting shall be responsibility of contractor.

4.1.2 Certificates of quality. Certificates of quality, supplied by manufacturer of component or material, may be furnished in lieu of actual performance of such testing by contractor. Certificates shall list test methods and results.

4.2 Classification of inspection. Inspection requirements are classified as follows:

- a. First article inspection (see 4.3).
- b. Quality conformance inspection (see 4.4).
- c. Inspection of packaging (see 4.7).

4.3 First article inspection.

4.3.1 Examination. First article litter shall be examined as specified in 4.5.1. Presence of one or more nonconformances shall be cause for rejection.

4.3.2 Tests. First article litter shall be tested as specified in 4.6.1. Failure of test shall be cause for rejection and performing disassembly inspection specified in 4.1.1.2.

4.4 Quality conformance inspection.

4.4.1 Sampling for examination. Sampling for examination shall be conducted in accordance with ANSI/ASQC Z1.4.

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TABLE I. Sampling.

Inspection	Acceptable Quality Level level	(percent nonconformances)
For visual examination*		
Major nonconformances (each component)	II	1.0
Minor nonconformances (each component)	II	2.5
For dimensional examination	S-3	2.5

* When the complete litter assembly is examined, each component shall be examined in accordance with the classification of nonconformances for that component in addition to that used for the complete litter assembly.

4.4.2 Sampling for tests. Samples selected in accordance with 4.4.1 shall be examined and tested as specified in 4.6. Sampling for tests shall be conducted in accordance with ANSI/ASQC Z1.4.

TABLE II. Test Requirements.

Item	Inspection level	AQL (percent nonconformance)	Minimum sample size
Component material testing	S-1	*	3
End item testing	S-2	1.5	

* Acceptance number shall be zero for all sample sizes.

4.4.3 Component materials. Sufficient samples of the component materials shall be selected from each lot of material used in manufacturing litter to perform tests as required by applicable subsidiary specifications or by tests specified herein. When sample size for component material covered by subsidiary specifications is not specified, the sample size for each test shall be as indicated in 4.4.2. Unit of product for testing shall be quantity of material necessary to perform all required tests one time each. The same material may be used to perform two or more tests. Lot sizes are expressed in multiples of the following:

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Mesh	- Yard (0.91 meter) or fraction of a yard.
Strap Assembly	- Each (one left half and one right half).
Thread	- Cone or spool.
Buckle	- Each (one left half and one right half).
Coating	- Gallon (3.79 liters) or fraction of a gallon.

4.4.4 For chemical testing of metals. Four ounces of each lot of each metal used in construction of litter shall be selected for chemical analysis as specified in 4.6.2.

4.5 Examination. Litters shall be examined to determine compliance with all requirements contained in this specification.

4.5.1 Classification of nonconformances. Examination shall be conducted in accordance with the following classification of nonconformances:

Categories and nonconformances*

Major A	Litter. (60136FD)
101	Litter not complete with all component parts, assemblies, and subassemblies.
102	Components not properly assembled or aligned.
103	Exposed and accessible edges and surfaces not free from sharp edges and burrs.
104	Center-to-center distance between poles (when litter is spread) not within tolerances specified.
105	Longitudinal distance between bolt holes on pole not within tolerances specified.
106	Bolt holes in poles not centered.
107	Handle not free sliding in pole.
108	Locking button does not operate freely.
109	Mesh cover not a taut fit when litter is spread.
110	Litter cannot be spread.
Major B	Cover. (60129FD)
121	Cover not fabricated from one piece of mesh.
122	Cover warp not parallel to long axis of litter.
123	Raw edges not hemmed.
124	Width of the cover not within tolerances specified.
125	Cover pockets do not accommodate poles.

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Categories and nonconformances* (continued)

Major C	Polypropylene mesh for cover. (40132FD) (other than)
131	Tensile strength, warp, 3-3 broken twill.
132	Tensile strength, warp, honeycomb.
133	Tensile strength, fill, 3-3 broken twill.
134	Tensile strength, fill, honeycomb.
135	Tear strength, warp, 3-3 broken, twill.
136	Tear strength, warp, honeycomb.
137	Tear strength, fill, 3-3 broken, twill.
138	Tear strength, fill, honeycomb.
139	Flammability.
140	Toxicity certification by Office of The Surgeon General.
141	Chemical warfare agent resistance certified by USAMMDA.
142	Decontaminating solution resistance certified by USAMMDA.
143	Ultraviolet light stabilizers certified by manufacturer.
Major D	Strap assembly. (40152FD)
151	Strap assembly not complete with all component parts (left half and right half).
152	Strap not free of cuts and tears.
Major E	Handle. (40159FD) (other than)
161	1.250 outside diameter, 7 places.
162	4.563 dimension.
163	0.875 location of 0.625 diameter hole.
164	0.625 diameter hole (2 holes).
165	0.875 depth of 0.625 hole (2 holes).
166	0.188 width of slot, two places.
167	0.270 depth of slot, two places.
168	4.080 length of slot.
169	Presence of 0.264 x 0.038 deep counterbore on slot.
170	0.360 location of slot.
171	9.175 overall length of handle.
172	0.800 location of 0.625 diameter hole.
Major F	Button. (20374FD)
181	0.488 diameter not within tolerance.
182	0.613 diameter not within tolerance.
183	0.375 diameter not within tolerance.
184	0.312 dimension not within tolerance.

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Categories and nonconformances* (continued)

Minor A	Litter. (60136FD)
201	Style, design, and construction not shown as on drawing.
202	Litter does not rest evenly on a flat surface.
203	Joints of moving parts not lubricated.
204	Coated surfaces not free of chipped, cracked, nonadherent, and bare surfaces.
205	Identification marking not complete, not legible, and not waterproof.
Minor B	Cover. (60129FD)
221	Style, design, and construction not as shown on drawing.
222	Turnunders, seams, and stitch lines not straight or evenly spaced.
223	Cover not free from loose or raveled edges.
224	Stitching other than six stitches per inch.
225	Thread breaks backstitched less than 1/2 inch.
226	Ends of stitching not turned under or held down by other stitching, back tacked less than 1/4 inch.
227	Cover not permanently and legibly identified with the name or registered trademark of manufacturer, the letters "U.S.", and contract number with black waterproof ink or paint.
Minor C	Polypropylene mesh for strap. (40152FD) (other than)
231	Filament diameter.
232	Color.
233	24 x 20 construction.
234	Weight per square yard.
Minor D	Strap assembly. (30258FD)
241	Style, design, and construction not as shown on drawing.
242	Exposed and accessible surfaces of buckle halves not free from sharp edges and burrs.

* Examination shall not be restricted to the preceding list of possible nonconformances.

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4.5.1.1 Categories defined.

4.5.1.1.1 Major nonconformity. A major nonconformity is a nonconformity that is likely to result in failure or to reduce materially the usability of the product for its intended purpose. A major nonconformity may also contain minor nonconformities.

4.5.1.1.2 Minor nonconformity. A minor nonconformity is a nonconformity that is not likely to reduce materially the usability of the product for its intended purpose or is a departure from established standards having little bearing on the effective use or operation of the product. A minor nonconformity contains no major nonconformities.

4.5.2 Dimensional examination. Litters shall be examined for nonconformances in dimensions. Any dimension not within tolerances specified in drawings shall be classified as a nonconformance.

4.6 Tests. Tests shall be conducted to determine compliance with specification requirements.

4.6.1 Performance tests on litters. Inability to perform the following performance test as stated shall constitute failure of performing testing.

4.6.1.1 Two hundred pounds shall be placed on the litter when it is supported at four points located 37-1/2 inches from the center of each pole. This weight shall be distributed as follows: 100 pounds shall be distributed over the center 18-inch length (full width) of the cover; 30 pounds each on the adjacent 15-inch lengths (full width) of the litter cover; and 20 pounds each on adjacent 12-inch lengths (full width) of litter cover. Downward deflection of the poles shall not exceed 1-1/4 inches.

4.6.1.2 With the litter resting on the stirrups, 1,600 pounds shall be placed on a board, 18 inches wide, resting crosswise on the poles at the center of the litter. This weight shall be built up in a period of 5 minutes, allowed to remain for 5 minutes, then removed. The permanent downward deflection or set in the poles shall not exceed 5/8 inch.

4.6.1.3 Litter shall be so constructed that the tension of the cover when dry shall require no less than 55 and no more than 70 pounds static load placed at the approximate center of the spreader bar to open one end of the litter.

4.6.2 Other tests. The samples selected in 4.4.3 shall be tested as stated below.

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4.6.2.1 Honeycomb polypropylene mesh cover. Tests on honeycomb polypropylene mesh shall be conducted in accordance with test procedures as stated on Drawing 40132FD.

4.6.2.2 Plain polypropylene mesh straps. Tests on plain polypropylene mesh shall be conducted in accordance with test procedures stated on Drawing 40152FD.

4.6.2.3 Aluminum. Tests for chemical and mechanical properties shall be conducted in accordance with Method 111.2 or 112.2 of FED-STD-151. In case of a dispute, Method 111.2 shall be used for referee analysis.

4.6.2.4 Corrosion-resistant stainless steel. Tests for chemical analysis shall be conducted in accordance with Method 111.2 or 112.2 of FED-STD-151.

4.6.2.5 Coating. Tests on coating shall be conducted in accordance with test procedures (FED-STD-141).

4.7 Inspection of packaging. The sampling and inspection of the preservation, packing and marking for shipment and storage shall be in accordance with the quality assurance provisions of the applicable container specification and the marking requirements of MIL-STD-129-2.

5. PACKAGING

5.1 Preservation. Preservation shall be level A or Commercial, as specified (see 6.1).

5.1.1 Unit. Each (EA). One folding litter, or one cover, or one strap assembly, or one spreader bar assembly, as specified, constitutes one unit.

5.1.2 Level A.

5.1.2.1 Cleaning, drying and preservation. Each unit shall be cleaned, dried and preserved in accordance with MIL-STD-2073-1.

5.1.2.2 Unit.

* 5.1.2.2.1 Litter. Each litter shall be packaged in a box conforming to PPP-B-566, ASTM D 5118, class domestic, or PPP-B-676. Closure shall be as specified in the applicable specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1D.

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- * 5.1.2.2.2 Cover, or strap assembly, or spreader bar assembly. Each cover, or strap assembly, or spreader bar assembly shall be packaged in a box conforming to PPP-B-566, ASTM D 5118, class domestic, or PPP-B-676. Closure shall be as specified in the applicable specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1F.

5.1.2.3 Intermediate package.

- 5.1.2.3.1 Litter, or cover, or spreader bar assembly. Intermediate package is not required.

- * 5.1.2.3.2 Strap assembly. Twelve units shall be packaged in a box conforming to PPP-B-566, ASTM D 5118, Class domestic, or PPP-B-676. Closure shall be as specified in the applicable box specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1F.

5.1.3 Commercial.

- 5.1.3.1 Unit. Preservation for each unit shall conform to the requirements of ASTM D 3951.

5.1.3.2 Intermediate package.

- 5.1.3.2.1 Litter, or cover, or spreader bar assembly. Intermediate package is not required.

- 5.1.3.2.2 Strap assembly. Twelve units shall be packaged in accordance with the requirements of ASTM D 3951.

5.2 Packing.

5.2.1 Level A.

- * 5.2.1.1 Litter. Six unit packages shall be packed in an exterior container designed for a Type 2 load and conforming to PPP-B-601, overseas Type, PPP-B-621, class 2 or ASTM D 5118, class weather-resistant. Closure and strapping shall be as specified in the applicable specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1D.

- 5.2.1.2 Cover. Thirty-six unit packages shall be packed in an exterior container designed for a Type 2 load and conforming to PPP-B-601, overseas type, PPP-B-621, class 2, or ASTM D 5118, class weather-resistant. Closure and strapping shall be as specified in the applicable specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1D.

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5.2.1.3 Strap assembly. Twenty-four intermediate packages (288 units) shall be packed in an exterior container designed for a Type 2 load and conforming to PPP-B-601, overseas type, PPP-B-621, Class 2, or ASTM D 5118, class weather-resistant. Closure and strapping shall be as specified in the applicable specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1D.

5.2.1.4 Spreader bar assembly. Eight unit packages shall be packed in an exterior container designed for a Type 2 load and conforming to PPP-B-601, overseas type, PPP-B-621, Class 2, or ASTM D 5118, class weather-resistant. Closure and strapping shall be as specified in the applicable specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1D.

5.2.1.5 Case liner. Each level A wood box shall be lined with a waterproof case liner conforming to MIL-L-10547. Closure and sealing shall be as specified in the liner specification. Case liner shall not be required for fiberboard boxes. Each fiberboard box shall be water resistant as specified in ASTM D 1974.

5.2.2 Level B.

* 5.2.2.1 Litter. Six unit packages shall be packed in an exterior container designed for a Type 2 load and conforming to PPP-B-601, Domestic Type, PPP-B-621, class 1 or ASTM D 5118, Class Domestic. Closure shall be as specified in the applicable specification, except Closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974 Closure Method 1E.

5.2.2.2 Cover. Thirty-six unit packages shall be packed in an exterior container designed for a Type 2 load and conforming to PPP-B-601, domestic type, PPP-B-621, class 1, or ASTM D 5118, Class domestic. Closure shall be as specified in the applicable specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1E.

5.2.2.3 Strap assembly. Twenty-four intermediate packages (288 units) shall be packed in an exterior container designed for a Type 2 load and conforming to PPP-B-601, domestic type, PPP-B-621, class 1, or ASTM D 5118, class domestic. Closure shall be as specified in the applicable specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1E.

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5.2.2.4 Spreader bar assembly. Eight unit packages shall be packed in an exterior container designed for a Type 2 load and conforming to PPP-B-601, overseas type, PPP-B-621, Class 2, or ASTM D 5118, class weather-resistant. Closure and strapping shall be as specified in the applicable specification, except closure of containers conforming to ASTM D 5118 shall be as specified in ASTM D 1974, closure method 1E.

5.2.3 Commercial.

* 5.2.3.1 Litter. Six unit packages shall be packed in accordance with the requirements of ASTM D 3951.

5.2.3.2 Cover. Thirty-six unit packages shall be packed in accordance with the requirements of ASTM D 3951.

5.2.3.3 Strap assembly. Twenty-four intermediate packages (288 units) shall be packed in accordance with the requirements of ASTM D 3951.

5.2.3.4 Spreader bar assembly. Eight unit packages shall be packed in accordance with the requirements of ASTM D 3951.

5.2.4 Packing variation permitted. If the required number of units to be shipped is less than the number of units specified to be overpacked in an exterior container, such units shall be packed in an exterior container of suitable size and design, acceptable to a common carrier, which will insure safe delivery to destination.

5.2.5 Unitized loads. Material shall be unitized on pallets as specified in the contract or order.

5.3 Marking.

5.3.1 Levels A, B and C. Each unit, intermediate package (when specified), exterior (shipping) container and unitized load shall be marked as specified in MIL-STD-129-2.

5.4 General.

5.4.1 Exterior container. Exterior container (see 5.2.1, 5.2.2 and 5.2.3) shall be of minimum tare and cube consistent with the protection required and shall contain equal quantities of identical stock numbered items to the greatest extent practicable.

5.4.2 Packaging inspection. The inspection of these packaging requirements shall be in accordance with 4.7.

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6. NOTES

6.1 Intended use. Litter covered by this specification is intended for transporting sick and injured personnel and can be used in conventional and chemical warfare agent environments.

6.2 Ordering data. Procurement documents should specify the following:

- a. Title, number, and date of this specification.
- b. First article submission date (see 3.2).
- c. Number of litters to be used in first article inspection (see 6.3).
- d. When and where the Government will conduct tests and examinations (see 4.6).
- e. Packaging and packing levels (see 5.1 and 5.2).
- f. National Stock Number and Item Identification (see 6.7).

6.3 First Article. When a first article inspection is required, the litter shall be a first article sample. First article shall consist of one to three litters. Contracting officer shall include specific instructions in acquisition documents regarding arrangements for examinations, approval of first article test results, and disposition of first articles. Invitations for bids shall provide that the Government reserves the right to waive requirement samples for first article inspection to those bidders offering a product which has been previously acquired or tested by the Government, and bidders offering such products who wish to rely on such production or test must furnish evidence with the bid that prior Government approval is presently appropriate for pending contract.

6.4 Availability of color chips. The individual 3 by 5 inch chip of the color referenced in 3.5.4.1 is available from the Naval Publications and Forms Center, (ATTN: NPODS), 700 Robbins Avenue, Building 4-D, Philadelphia, PA 19111-5094.

6.5 Subject term (Keyword) listing.

litter
litter, folding
litter, folding, rigid pole
litter, CWA decontaminable

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6.6 Changes from previous issue. The margins of this specification are marked with asterisks (or vertical lines) 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.

6.7 National Stock Number coverage. The litter covered in this specification is listed as follows in the Federal Supply System:

<u>National Stock Number</u>	<u>Item Identification</u>
6530-01-380-7309	LITTER, FOLDING, RIGID POLE, DECONTAMINABLE

Custodians:

Army - MD
Navy - MS
Air Force - 03

Preparing activity:

DoD - MB

Review activities:

Army - MD
Navy - MS
Air Force - 03

Agent:

DLA - DM

User activities

Army - MD
Navy - MS
Air Force - 03

Project No. 6530-2470
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