

MIL-T-36072C
15 June 1989

SUPERSEDING
MIL-T-36072B (DLA-DM)
21 September 1973

MILITARY SPECIFICATION

TABLE, FOLDING LEGS, LABORATORY

This specification is approved for use within the Defense Personnel Support Center, Department of the Defense, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers one type of collapsible folding table.

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 document 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, Directorate of Medical Materiel, DPSC-RST, 2800 South 20th Street, Philadelphia, PA 19101, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC/NA

DISTRIBUTION STATEMENT A.
distribution is unlimited.

Approved for public release;

FSC 7105

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SPECIFICATIONS

Federal

TT-E-529	Enamel, Alkyd, Semigloss
PPP-B-585	Boxes, Wood, Wirebound
PPP-B-601	Boxes, Wood, Cleated-Plywood
PPP-B-621	Boxes, Wood, Nailed and Lock Corner
PPP-B-636	Box, Fiberboard
PPP-T-76	Tape, Pressure-Sensitive Adhesive Paper (for Carton Sealing)

Military

MIL-W-6110	Wood, Determination of Moisture Content of
MIL-L-10547	Liners, Case and Sheet, Overwrap
MIL-P-52192	Primer Coating, Epoxy

STANDARDS

Federal

FED-STD-595	Colors
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Military

MIL-STD-105	Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129	Marking for Shipment and Storage
MIL-STD-147	Palletized Unit Loads
MIL-STD-794	Part and Equipment, Procedures for Packaging and Packing of.

(Unless otherwise indicated copies of federal and military specifications, standards, and handbooks are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099.)

2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

DRAWING

Defense Personnel Support Center (DPSC)

10073

Table, Folding Legs, Laboratory

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(Application for copies should be addressed to the Defense Personnel Support Center, 2800 South 20th Street, Philadelphia, PA 19101-8419.)

2.2 Non-Government publications. The following document(s) form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

US DEPARTMENT OF COMMERCE

US Product Standard PS1-83, Construction and Industrial Pyramid.

(Application for copies should be addressed to: Superintendent of Documents, Washington, DC 20402).

(Non-Government standards and other publications are normally available from the organizations that prepare or 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 document and the references cited herein, (except for related associated detail specifications, specification sheets or MS standards) the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Material.

3.1.1 Plywood. Plywood for the table top shall be 5 ply, 3/4 inch thick conforming to voluntary product standard PS1-83, construction industrial plywood. Veneer Quality shall be not less than Grade B-B Exterior-High Density overlay. A certificate of quality from the plywood manufacturer indicating that the material meets applicable commercial standard shall be acceptable. The color of the overlay shall be black, or olive drab and uniform as produced under good commercial practice. The thickness tolerance of the complete plastic faced panels shall be plus or minus 1/32 inch. The trimming for length and width shall be full and true. The difference in length between the two diagonals of a 48 by 96 inch panel shall not extend 1/8 inch, and for larger or smaller panels, the tolerance shall be proportionately more or less.

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3.1.2 Plastic surfacing. The plastic surfacing on the finished products shall be hard, smooth, uniform in color, free from dents, creases, blisters, low pressure areas, and other defects. In defining the plywood construction, the plastic facing shall not be counted as a ply.

3.1.3 Surface composition. The plywood shall be completely surfaced on both sides with a resin treated laminate overlay. Not less than 40 percent by weight of cured overlay of the finished material shall be a fully cured thermosetting resin of the phenol, resorcinol, or melamine type. The resin treated overlay shall be not less than 0.009 inch thick after pressing and curing including both resin and paper (or other laminate). The surface overlays may be applied to the plywood by either bonding a precured, above-type resin treated sheet to each of the surfaces of a finished, glued, plywood panel with a thermosetting resin of the same type contained in the sheet and which would be equal in performance to the glue used for bonding plywood veneers, or simultaneously curing and bonding an uncured, above-type resin treated sheet to each plywood face surface in which case the overlay sheet would furnish its own bond. The resin treated overlays may be cured and bonded to the plywood face surfaces at the same time that the glue lines of the plywood plies are cured. A two-step process is also permissible in which the plywood base panel is first cured and bonded after which the overlays are cured and bonded to the plywood face surfaces in a second hot pressing operation.

3.1.4 Other materials. Other materials not specified herein shall conform to the requirements of the Bill of Materials which forms a part of Drawing 10073.

3.2 Construction. Table shall conform to Drawing 10073 and this specification. All components shall be accurately aligned and assembled to provide a consistently smooth-functioning table. The plywood tabletop work surface shall be flat within 1/4 inch when a straight edge is applied diagonally between the four corners of the table. The table shall rest on all four legs, and shall not rock more than 1/16 inch.

3.2.1 Load. The table shall be without permanent set and the deflection shall not exceed 0.8 inch when tested with a 400-pound load as specified in 4.4.1. With a 50-pound additional horizontal force, the table shall not collapse or exhibit instability and the locking device of the legs shall not become unfastened, when tested as specified in 4.4.2.

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3.2.2 Vibration. The table shall show no permanent deformation, cracks, or distortion of any components, and all working parts shall function manually, when tested as specified in 4.4.3. A test report indicating that a table, whose design and construction meet the specification requirements, has been tested and meets the vibration test specified in 4.4.3, shall be acceptable, providing such a report is from a testing agency adequately equipped and competent to perform the test.

3.3 Welding. Welding shall be durable, sound in every detail and in accordance with latest practices recommended by the American Welding Society. All welds shall be produced by qualified welding operators with satisfactory welding equipment using suitable filler metal and electrode where applicable to provide the best possible weld. Surfaces to be welded shall be free from grease, oil, oxides or any other foreign matter. Any cleaning method which will remove these substances and leave the surface clean is satisfactory. All aluminum parts shall be welded within 48 hours after a chemical cleaning treatment. Parts must be chemically recleaned if the 48 hour time period is exceeded. All weld joints shall blend into the adjacent metal in gradual, smooth curves. Beads shall be smooth and free of slag, excessive undercut, or excessive spatter. Sufficient metal shall be added to provide a suitable fillet or reinforcement unless otherwise specified. Fusion through the full thickness of the base metal, in areas other than those where 100 percent penetration is a requirement of joint design, are not acceptable when welding materials over 0.050 inch in thickness. Welds shall not be oxidized. All welds shall be continuous with no visible voids, pin holes, or cracks which affect the quality, and have more strength than required for purpose intended.

3.4 Finish.

3.4.1 Understructure. The table understructure including outside and all accessible inside surfaces shall receive an epoxy primer coating conforming to MIL-P-52192 followed by two coats of semigloss enamel conforming to TT-E-529 and to color X24087 (see 6.3) of FED-STD-595. Exposed fastening hardware shall be primed and enameled a matching shade of olive drab after assembly. The drive rivets may be anodized a gold color with no further treatment.

3.4.2 Table top. The edges of the plywood table shall be provided with a polyvinyl chloride molding having barbed sawtooth prongs on the inside surface, for application. The outside surface of the molding shall be curved and the top edge of the molding shall be flush with the top of the table. The color of the molding shall be black or shall approximate the color of the table top. The molding shall be flush with the edges of the table.

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3.5 Identification marking. Each table shall be permanently and legibly marked with the manufacturer's name or registered trademark, the contract or purchase order number, the National Stock Number, and the letters U.S. If a nameplate is used it shall be aluminum or corrosion-resisting steel and shall be affixed to the center of the vertical flange of one longitudinal brace with aluminum or corrosion-resisting steel screws, rivets, or by welding. Marking secured by adhesives shall not be used. As an alternate, the required marking may be stamped in the center of the vertical flange of the longitudinal brace.

3.6 Workmanship. The tables shall be free from defects which detract from their appearance or impair their 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, the contractor may use his own or any 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.

4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification 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 Records. Records of examinations and tests performed by or for the contractor shall be maintained by the contractor and made available to the Government upon the Government's request, at any time, or from time to time, during the performance of the contract and for a period of three years after delivery of the supplies to which such records relate.

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

4.1.4 Certificates of quality. Certificates of quality, supplied by the manufacturer of the materials, may be furnished in lieu of actual performance of such testing by the contractor, provided lot identity has been maintained and can be demonstrated to the Government. The certificate shall include the name of the contractor, the contract number, the name of the manufacturer of supplier, the NSN, the item identification, the name of the component/material, the lot number and the lot size.

4.2 Sampling.

4.2.1 For examination. Sampling for examination shall be conducted in accordance with MIL-STD-105 and table I.

TABLE I.

	Inspection level	AQL (defects per hundred units)
For visual examination		
Major defects	II	4.0
Total defects (Major and minor combined)	II	6.5
For dimensional examination	S-2	4.0

4.2.2 For tests. Except for the water absorption test, tests shall be performed on two sample tables from the total contract quantity in accordance with table II for the characteristics specified with no indication of failure.

Table II.

Characteristic	Requirement	Test method
Static load test	3.2.1	4.4.1
Horizontal force test	3.2.1	4.4.2
Vibration test	3.2.2	4.4.3

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4.3 Examination. The tables shall be examined to determine compliance with all requirements contained in this specification.

4.3.1 Classification of defects. Examination shall be conducted in accordance with the following classification of defects, as shown in table III.

TABLE II. Categories and defects *

Categories	Defects
Major	
101	Finish not color specified.
102	Finish not free of poor adhesion; i.e., blistering, checking, or peeling.
103	Any component missing.
104	Any component malformed, dented, buckled, or bent, affecting serviceability.
105	Any part not free of sharp edges and projections.
106	Any weld not present where specified.
107	Weld not fused, not free of burns, cracks, and fractures.
108	Top not smooth.
109	Top not flat to within 1/4 inch when checked with straight edge.
110	Top not free of gouges, chipped veneer, and any delamination.
111	Table legs do not fold properly or not located as specified.
112	Any component misaligned, affecting serviceability.
Minor	
201	Finish not free of tackiness, soft runs, and sags.
202	Finish not smooth or uniform; not free of imbedded foreign matter.
203	Finish not free of scratches, bare spots, and areas of visibly thin coating.
204	Edge surfaces of tabletop not smooth.
205	Identification marking missing, illegible, incomplete, or in wrong location.

*Examination shall to be limited to the classified possible defects listed herein.

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4.3.2 Dimensional examination. The tables shall be examined for defects in dimensions. Any dimension not within the tolerances specified herein shall be classified as a defect.

4.4 Tests. Tests shall be conducted, to determine compliance with specification requirements.

4.4.1 Static load test. With the table erected and with the legs locked in the unfolded position, a dead weight of 400 pounds shall be evenly distributed on the tabletop. The table shall remain loaded for a period of not less than 8 hours.

4.4.2 Horizontal force test. With the table loaded as specified in 4.4.1, an additional 50-pound horizontal force shall be applied to a corner at a direction of 90 degrees to the long edge of the table.

4.4.3 Vibration test. The table with the legs locked in the unfolded position shall be rigidly fastened through mounting holes on a vibrating machine and subjected to vibrations with an amplitude of 1/16 inch (1/8 inch total excursion) at a frequency of 600 cycles per minute, for a period of 1 hour in the direction of the vertical axis.

4.5 Inspection of packaging. The sampling and inspection of the 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.

5. PACKAGING

5.1 Preservation. Preservation shall be Level A or C as specified (see 6.2).

5.1.1 Level A.

5.1.1.1 Unit package. Each table shall have the legs placed in the folded position. The table shall be packaged in a snug fitting box conforming to PPP-B-636, class domestic and having a minimum bursting strength test of not less than 275 pounds. Closure shall be as specified in the applicable box specification.

5.1.2 Level C. The level C preservation for tables shall conform to the MIL-STD-794 requirements for this level.

5.2 Packing. Packing shall be level A, B, or C, as specified (see 6.1).

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5.2.1 Level A. Two 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 PPP-B-636, class weather-resistant. Closure and strapping shall be as specified in the applicable box specification.

5.2.1.1 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 waterproofed as specified in PPP-B-636.

5.2.2 Level B. Two 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 PPP-B-636 class domestic. Closure shall be as specified in the applicable box specification.

5.2.3 Level C. The level C packing for tables shall conform to the MIL-STD-794 requirements for this level.

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. Unitized loads, commensurate with the level of packing specified in the contract or order, shall be used whenever total quantities for shipment to one destination exceed 250 pounds or 20 cubic feet. Loads shall be unitized on pallets conforming to MIL-STD-147. Quantities less than 20 cubic feet need not be unitized. Pallet loads including the pallet shall not exceed 43 inches in length, 52 inches in width, and 54 inches in height. Pallet shall conform to type IV or type V.

5.2.5.1 Level A and B. Tables packed as specified in 5.2.1 and 5.2.2 shall be unitized on pallets conforming to MIL-STD-147.

5.2.5.2 Level C. Tables packed as specified in 5.2.3 shall be unitized as specified in MIL-STD-794.

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5.3 Marking.

5.3.1 Levels A, B, and C. Each unit pack, exterior container and unitized load shall be marked as specified in MIL-STD-129.

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 4.5.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. Folding table shall be suitable for field use as a laboratory table, examining table or medical supply table.

6.2 Acquisition Requirements.

- a. Title, number and date of the specification.
- b. Issue of DODISS to be cited in the solicitation and if required, the specific issue of individual documents referenced (see 2.1 and 2.2).
- c. Selection of applicable levels of packaging and packing (see 5.1 and 5.2).

6.3 Availability of color standards. The color referenced shall be in accordance with Federal Test Method Standard Number 595 and is available from:

Commanding General
Aberdeen Proving Ground, Maryland
Attention: Coating and Chemical Laboratory

6.4 This specification does not include all types, classes, grades, sizes, etc., of the commodity indicated by the title of this specification, or which are commercially available, but is intended to cover the types, which are normally procured to meet Military requirements.

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6.5 This specification covers the following item listed in the Federal Supply Catalog:

<u>National Stock Number</u>	<u>Item Identification</u>
7105-00-710-0210	TABLE, FOLDING LEGS, LABORATORY

6.6 Key word listing.

Table	Examination table
Laboratory	Medical supply table
Collapsible	
Field use	

6.7 Changes from previous issue. Marginal notations are not used in this revision to identify modifications, additions, corrections, and deletions from the previous issue due to the extensiveness of the changes.

Custodians:

Army - MD
Navy - MS
Air Force - 03

Preparing Activity:

DLA - DM

Agent:

Army - GL

Civil Agency Coordinating Activities:

GSA-FSS
VA-OSS
FDA-MPQAS
PHS

Project No. 7105-0254

User Activity:

Army - AM

Location:

Milsp/F-Table/H1B-13

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER

2. DOCUMENT TITLE

3a. NAME OF SUBMITTING ORGANIZATION

4. TYPE OF ORGANIZATION (Mark one)

 VENDOR USER MANUFACTURER OTHER (Specify):

b. ADDRESS (Street, City, State, ZIP Code)

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)