

MIL-P-14232E(AT)  
AMENDMENT 2  
2 September 1981  
SUPERSEDING  
AMENDMENT 1  
14 Nov 80

MILITARY SPECIFICATION

PARTS, EQUIPMENT AND TOOLS FOR ARMY MATERIEL,  
PACKAGING OF

This amendment forms a part of Military Specification MIL-P-14232E(AT),  
dated 2 August 1976.

PAGE 1

2.1, under "SPECIFICATIONS, FEDERAL", delete:

- "UU-P-533 - Paper Wrapping, Tissue.
- PPP-C-650 - Crate, Wood, Open and Covered.
- PPP-D-700 - Drum, Shipping and Storage, Metal, 55 Gallon  
(for Acid and Corrosive Liquids)."

2.1, under "SPECIFICATIONS, FEDERAL", add:

- "L-P-378 - Plastic Sheet and Strip, Thin Gauge,  
Polyolefin.
- NN-P-71 - Pallet, Material Handling, Wood Stringer  
Construction 2 Way and 4 Way (Partial).
- UU-P-553 - Paper Wrapping, Tissue.
- PPP-B-587 - Box, Wood, Wirebound Pallet Type.
- PPP-B-1055 - Barrier Material, Waterproofed, Flexible.
- PPP-B-1672 - Box, Shipping, Reusable with Cushioning.
- PPP-P-1660 - Expendable Pallets."

PAGE 2

2.1, under "SPECIFICATIONS, MILITARY", delete:

- "MIL-P-46046 - Preservative Fluid, Automotive Brake System  
and Components."

2.1, under "SPECIFICATIONS, MILITARY", add:

- MIL-B-46176 - Brake Fluid, Automotive, All Weather  
Operational & Preservative
- MIL-C-52950 - Crate, Wood, Open and Covered.
- MIL-P-52971 - Pallets, Materials, Handling General Cargo,  
40 x 48 Inch, Nonwood, 4-way."

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PAGE 3

2.1, under "STANDARDS, FEDERAL", delete:  
"FED-STD-356 - Commercial Packaging of Supplies and Equipment."

2.1, under "STANDARDS, MILITARY", add:  
"MIL-STD-1188 - Commercial Packaging of Supplies and Equipment."

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2.2, Delete in its entirety and substitute:  
"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.

AR 746-1 - Marking, Packing, and Shipment of Supplies and Equipment. Packaging of Army Materiel for Shipment and Storage.

AR-700-89 - Identification, Control, and Utilization of Shelf-life Items.

(Application for copies should be addressed to Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.)"

UNIFORM CLASSIFICATION COMMITTEE

Uniform Freight Classification - Rule 41

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

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3.3.1.1.4, line 5, delete "3.3.1.1.3" and substitute: "3.3.1.1.2".

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3.3.1.1.6.2, subparagraph b, lines 7 and 8, delete and substitute:  
"(NNN-P-40 lens tissue type I, class 2 and class 3 shall not be used on precision coated optics or optical plastics)."

3.3.1.1.6.2, subparagraph e, delete in its entirety and substitute:

"e. Immediately after cleaning, the optics shall be wrapped with lens tissue paper conforming to NNN-P-40 that is compatible with the cleaning restrictions of 3.3.1.1.6.2, subparagraph b, or covered with a plastic cap-plug conforming to MIL-C-5501."

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3.3.1.1.8, line 2, delete "cleared" and substitute: "cleaned".

3.3.1.1.9, line 1, delete "MIRCOM" and substitute: "MICOM".

3.3.1.2, lines 3 and 4, delete last sentence in its entirety.

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3.3.1.3.2, line 5, delete last sentence and substitute:

"Not included in this exception are coatings, such as phosphates, and detailed packaging data sheet requirements wherein method I is specified."

3.3.1.3.4, delete in its entirety and substitute:

"3.3.1.3.4 Hydraulic brake system and components. Wheel cylinders, master cylinders, and related metal components shall be coated with preservative as specified in MIL-B-46176, or packaging data sheet."

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3.3.1.3.10, line 4, delete "draft" and substitute: "craft".

3.3.2, line 2, delete "FED. STD. No. 356" and substitute: "MIL-STD-1188".

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3.4.1.1.3, lines 3 and 4, delete sentence beginning with "Stiffener" and substitute: "The stiffener material shall be fiberboard conforming to PPP-F-320, when any one dimension of the stiffener exceeds 10 inches or the total area exceeds 36 square inches; for stiffeners of smaller dimension and area, chipboard conforming to UU-C-282 shall be used."

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3.4.1.2.5, line 5, delete "(see 3.4.1.2.5)" and substitute: "(see 3.4.1.2.5.1)".

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3.4.3, delete "FED. STD. No. 356" and substitute: "MIL-STD-1188."

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3.5.3.2, subparagraph b, line 1, delete and substitute:

"Expendable pallets (PPP-P-1660). Expendable pallets,"

3.5.4, delete "FED. STD. No. 356" and substitute: "MIL-STD-1188."

3.6.1, line 4, delete "FED. STD. No. 356" and substitute: "MIL-STD-1188."

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Under heading at top of page, delete submethod "IC-e" and substitute: "IC-3".

PAGE 39

6.8, line 1, delete "Shrink-film" in two places, and substitute:  
"Shrink and stretch film".

6.8, line 3, delete "AMCR-746-2", and substitute: "AR746-1".

6.9, line 1, delete :Shrink-film" in two places, and substitute:  
"Shrink and stretch film".

6.9, line 2, delete "AMCR-746-2", and substitute: "AR746-1".

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TABLE II, Note 1, line 1, delete "MIL-C-117" and substitute: "MIL-B-117".

TABLE II, Note 4, line 3, delete "or" and substitute: "are".

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TABLE V, delete and substitute:

"TABLE V. Preferred exterior containers for levels A and B.

Specifications		Level A	Level B
L-P-378	Plastic Sheet and Strip, Thin Gauge Polyolefin		X7/
PPP-B-585	Box, Wood, Wirebound	X1/, 3/	X3/
PPP-B-587	Box, Wood, Wirebound Pallet Type	X3/	X3/
PPP-B-591	Box, Fiberboard, Wood-Cleated		X
PPP-B-601	Box, Wood, Cleated Plywood	X3/	X3/
PPP-B-621	Box, Wood, Nailed and Lock Corner	X2/, 3/	X3/
PPP-B-636	Box, Shipping, Fiberboard		X4/, X6/
PPP-B-640	Box, Fiberboard, Corrugated Triple-wall		X4/, X6/
PPP-D-700	Drum; Shipping and Storage, Metal, 55-Gallon (for Acid and Corrosive Liquids)	X	X
PPP-D-705	Drum, Shipping and Storage; Steel, 16- and 30-Gallon Capacity	X	X
PPP-D-723	Drum, Fiber		X
PPP-D-729	Drum, Shipping and Storage, Steel 55-Gallon	X	X
PPP-P-704	Pail, Shipping, Steel, (1 through 12-Gallon)	X	X
PPP-B-1672	Box, Shipping, Reusable with Cushioning		X

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TABLE V. Preferred exterior containers for levels A and B.- Continued

Specifications		Level A	Level B
MIL-C-104	Crate, Wood, Lumber and Plywood Sheathed, Nailed and Bolted	X	X
MIL-C-3774	Crate, Wood, Open, 12,000 and 16,000-Pound Capacity	X	X
MIL-D-6054	Drum, Metal, Shipping and Storage	X	X
MIL-B-17757	Box, Shipping, Fiberboard, (Modular Sizes)		X
MIL-B-26195	Box, Wood-Cleated, Skidded, Load-bearing Base	X	X
MIL-D-40030	Drum, Plastic, Molded Polyethylene	X	X
MIL-B-43666	Box, Shipping Consolidation	X <sup>5/</sup>	X <sup>4/</sup> , <sup>6/</sup>
MIL-C-52950	Crate Wood, Open and Covered	X	X
<b>Standards</b>			
MIL-STD-1187	Standard Size Unit, Intermediate and Exterior Containers for Modular Packaging and Unitization on the 40 Inch x 48 Inch Pallet	X <sup>5/</sup>	X <sup>4/</sup>

## NOTES

- 1/ Styles 2 or 3 designed for type 3 loads, class 3 use (overseas), are preferred for packing Army materiel. Boxes designed for type 1 and 2 loads, or those requiring special design for specific items, may be used when prescribed by the packaging activity.
- 2/ Style 4 will be considered as preferred for Army materiel providing weight of contents does not exceed 400 pounds.
- 3/ Container sizes listed in MIL-STD-1187 shall be used to the maximum extent possible.
- 4/ Fiberboard containers used for Army shipments shall be class weather-resistant.
- 5/ Wood-cleated plywood and wirebound plywood shall be used for level A.
- 6/ The following styles of boxes (w/limitations) and pallets may be used:
  - (a) Style E, Class 2 of PPP-B-640 for packs up to 1000 lbs.
  - (b) Style G, Class 2 of PPP-B-640 for packs up to 2000 lbs.
  - (c) Style E of PPP-B-640 and Grades V11c, V13, and V15c of PPP-B-636 for packs up to 1500 lbs.
  - (d) Styles indicated in MIL-B-43666 for packs up to 2500 lbs.
  - (e) NN-P-71 pallets or MIL-B-43666 boxes shall be provided when load exceeds 200 pounds or when length and width dimensions of containers are 48 x 24 inches and weight is in excess of 100 pounds. Selection of the style, type, class, or size of pallet or box shall be in accordance with the specification limitations.

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(f) Containers listed in (c) and( d) above are limited to use as consolidation containers, or multipacks destined to one consignee and loaded at source in MILVAN/SEAVAN, or CONEX.

7/ For use in fabrication of single item shrink exterior containers, shrink film small parcel packs, and shrink film multipacks."

Custodian:  
Army - AT

Preparing activity:  
Army - AT

Review activities:  
Army - ME, MI, SM, EA, AR  
Navy - MC

Project No. PACK-A 276