



Designation: D3951 – 10

Standard Practice for Commercial Packaging¹

This standard is issued under the fixed designation D3951; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This practice establishes minimum requirements for packaging of supplies and equipment, exclusive of ammunition, explosives, or hazardous materials, as covered in Title 49 of the Code of Federal Regulations.

1.2 The values stated in inch-pound units are to be regarded as standard. No other units of measurement are included in this standard.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

D996 Terminology of Packaging and Distribution Environments

D1974 Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Boxes

D4169 Practice for Performance Testing of Shipping Containers and Systems

D5118/D5118M Practice for Fabrication of Fiberboard Shipping Boxes

D5168 Practice for Fabrication and Closure of Triple-Wall Corrugated Fiberboard Containers

D5445 Practice for Pictorial Markings for Handling of Goods

D6039/D6039M Specification for Open and Covered Wood Crates

D6251/D6251M Specification for Wood-Cleated Panelboard Shipping Boxes

D6254/D6254M Specification for Wirebound Pallet-Type Wood Boxes

D6255/D6255M Specification for Steel or Aluminum Slotted Angle Crates

D6256/D6256M Specification for Wood-Cleated Shipping Boxes with Skidded, Load-Bearing Bases

D6880 Specification for Wood Boxes

D7478/D7478M Specification for Heavy Duty Sheathed Wood Crates

2.2 Code of Federal Regulations:³

Title 49 Transportation (Parts 100 to 199)

2.3 Military and Federal Standards:⁴

MIL-STD-129 Military Marking for Shipment and Storage

MIL-STD-2073-1 Standard Practice for Military Packaging

FED-STD-123 Marking for Shipment (Civil Agencies)

2.4 International Standards:⁵

ISPM Publication No. 15 Regulation of Wood Packaging Material in International Trade (International Standards for Phytosanitary Measures (ISPM))

3. Terminology

3.1 Terminology found in Terminology D996 shall apply.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 CONUS—Continental United States (excluding Hawaii and Alaska).

3.2.2 immediate use—used or consumed within seven days of receipt.

3.2.3 safe delivery—in packaging—delivery of a shipment to its destination with minimal damage to the package and no damage to the contents.

4. Significance and Use

4.1 This practice covers the requirements for the commercial preservation, packaging, packing (exterior container),

¹ This practice is under the jurisdiction of ASTM Committee D10 on Packaging and is the direct responsibility of Subcommittee D10.27 on Miscellaneous Packaging.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

⁴ Available from Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094. <http://assist.daps.dla.mil/quicksearch..>

⁵ Available from the International Plant Protection Convention at http://www.aphis.usda.gov/import_export/plants/plant_exports/wpm/index.shtml.