Packaging, Packing and Marking… Oh My!

General Services Administration

AUG 2014 rev
Overview

• Background
• Packaging & Packing
• Marking
  • Federal Standard 123
  • Military Standard 129
• Additional Requirements
  • Hazardous Material
  • Shelf-life Items
Background

- Supply Chain
- Frustrated Freight
Supply Chain

- Your factory
- Shipment
- Consolidation Point
- Distribution
- Customer
Frustrated Freight

Breakdown in the supply chain
• Creates waste
• Increases costs
• Dissatisfied customers
Packaging and Packing

• Define

• Why

• The Depots
Packaging and Packing

What is the difference?

• Packaging
  The processes and procedures used to protect material from deterioration, damage, or both. It includes cleaning, drying, preserving, packing, marking, and unitizing.

• Packing
  The assembly of items into unit packs and intermediate or exterior containers, with the necessary blocking, bracing, cushioning, weatherproofing, reinforcement, and marking.
Packaging
Packing
Packaging and Packing

Some packaging is made durable enough to be utilized as packing in transport, such as barrels.
552.211-75 Preservation, Packaging and Packing

“Unless otherwise specified, all items shall be preserved, packaged, and packed in accordance with normal commercial practices, as defined in the applicable commodity specification. Packaging and packing shall comply with the requirements of the Uniform Freight Classification and the National Motor Freight Classification (issue in effect at time of shipment) and each shipping container of each item in a shipment shall be of uniform size and content, except for residual quantities. …”
Damaged Shipments

- Load shifts
- Crushed boxes
- Damaged pallets
- Broken packages
- Leaking products
- Damage to products
Damaged Shipments
552.211-77 Packing List

- Name and address of the consignor
- Name and complete address of the consignee
- Government order or requisition number
- Government bill of lading number, if applicable
- Description of the material shipped, including item number, quantity, number of containers
552.211-89 Non-Manufactured Wood Packaging Material for Export

Shipments to countries endorsing International Plant Protection Convention (IPPC) must be marked and properly treated for non-manufactured wood pallets and packaging material.

GSA Pallet Requirements

4 way entry pallet
MAX height 53 inches
Marking

• Federal Standard 123

• Military Standard 129
552.211-73 Marking

- Deliveries to civilian activities. Supplies shall be marked in accordance with Federal Standard 123, edition in effect on the date of issuance of the solicitation.

- Deliveries to military activities. Supplies shall be marked in accordance with Military Standard 129, edition in effect on the date of issuance of the solicitation.
Federal Standard 123

- Establishes requirements for marking units, intermediate and transport packages, and unit loads.
Packaging Terms

Unit container or package: The first tie, wrap, or container applied to a single item, a quantity of the same item, a set, or an item with all its component parts.

Intermediate container or package: A wrap, box, or bundle (that is, a container) that contains two or more unit packages of identical items.

Transport/Exterior container/package: Shipping container or package used to protect goods during the process of distribution.
Unit and Intermediate Markings

Federal Standard 123

• National Stock Number (NSN)
• Item Name (nomenclature)
• Quantity and Unit of Issue
• Contractor Name and Address
• Shelf Life markings if applicable
• Special markings if applicable
Transport Package Markings

**Shipping Label**
- Purchase Order
- National Stock Number (NSN)
- Ship to
- Ship From
- Number of Pieces
- Weight
- Cube
Palletized Load Marking

- Purchase Order
- National Stock Number (NSN)
- Ship to
- Ship from
- Number of pieces
- Weight
- Cube
# GSA Distribution Center Order

**Order for Supplies or Services**

**Date of Order:** Nov 17, 2011

**Order Number:** N-W-XXXX-2 M

**From:** General Services Administration

**To:** ABC Company

**Address:**
- **Vendor Will:**
  - Deliver: 1500 Bannister Rd, Kansas City, MO 64131-3068
  - Or Sooner: By Jan 04, 2012

**Shipment:**
- **Total:** 1234-56-789-1234
- **Quantity:** 50 EA
- **Unit Price:** 160.00
- **Amount:** 8,000.00

**Requisition No:** M2AL51-N3-1234567891234

**Description:** Widgets

**Acceptance Time After Delivery:** Days
Common Oversights of Fed Std 123

- Incorrect Purchase Order or NSN
- Incorrect unit of issue
- Omitting weight/cube information
- No marking at all
Military Standard 129

- Military Markings established by the Department of Defense (DOD) for shipment and storage.
- Applies when shipping to military destinations or consolidation points.
  - Susquehanna Consolidation Point
    New Cumberland, PA
  - San Joaquin Consolidation Point
    Tracy, CA
Unit & Intermediate Markings with Linear Bar Codes

#1 - IDENTIFICATION MARKINGS
- NATIONAL STOCK NUMBER
- CAGE CODE
- PART NUMBER
- ITEM DESCRIPTION
- QUANTITY AND UNIT OF ISSUE
- CONTRACT NUMBER & LOT NUMBER
- MILITARY METHOD & DATE OF UNIT PRESERVATION
- SERIAL NUMBER (WHEN ASSIGNED)

#2 - BAR CODES
- NATIONAL STOCK NUMBER (NSN)
- SERIAL NUMBER (WHEN ASSIGNED)
Unit & Intermediate Markings with 2D Symbol and Unique Item Identifiers

• Identification Markings are the same as the Linear Barcode marking.
• Use 2D (PDF417) Symbol and Unique Item Identifiers. Required on MSL.
Exterior Containers

# 1 - IDENTIFICATION MARKINGS
- NATIONAL STOCK NUMBER
- CAGE CODE
- PART NUMBER
- QUANTITY AND UNIT OF ISSUE
- CONTRACT NUMBER & LOT NUMBER
- MILITARY METHOD &
- DATE OF UNIT PRESERVATION
- WEIGHT (LBS)
- SERIAL NUMBER(S)

# 2 - LINEAR BAR CODES
- NATIONAL STOCK NUMBER
- CONTRACT NUMBER
- CAGE CODE
- CONTRACT LINE ITEM NUMBER (CLIN)
- CONTRACTOR SHIPMENT NUMBER
- SERIAL NUMBER (List inside)

# 3 - ADDRESS MARKINGS
MILITARY SHIPMENT LABEL (MSL)

6625-01-248-9073
CAGE 19207
PN 622-7345-002
20 EA
F09603-07-M-0860
M10 – 11/07
WT 55
SERIAL NUMBER
LIST INSIDE
6625012489073
F0960307M0860
19207
0001AA
MTE0001Z
Military Shipping Label

- Transportation Control Number (TCN),
- Transportation Priority,
- Supplementary Address,
- Ship to/mark for addresses,
- National Stock Number,
- Quantity,
- Routing Identifier Code (RIC),
- Required Delivery Date (RDD),
- Project Code
Sample Order to DLA

<table>
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<th>ORDER FOR SUPPLIES OR SERVICES</th>
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<tr>
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<td>Dec 14, 2011</td>
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<td>General Services Administration</td>
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<tr>
<th>ADDRESS</th>
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<tbody>
<tr>
<td>26 FEDERAL PLAZA, ROOM 19-116</td>
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<tr>
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<tbody>
<tr>
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<th>A. UNIT PRICE</th>
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Common oversights of Mil Std 129

- No Transportation Control Number (TCN)
- Omitting end destination/ultimate consignee information
- No Transportation Priority
Vendor Support Center (VSC)

https://vsc.gsa.gov/
Additional Requirements

• Hazardous Material (HAZMAT)

• Shelf Life Items
Hazardous Material

• Material designated by the Secretary of the Department of Transportation as posing an unreasonable threat to the public and the environment.

• Code of Federal Regulations 49 parts 172.101 and 173
52.223-3 Hazardous Material Identification and Material Safety Data

For items shipped to consignees identified by mailing address as agency depots, distribution centers or customer supply centers, the Contractor shall provide one copy of the MSDS's in or on each shipping container. If affixed to the outside of each container, the MSDS's must be placed in a weather resistant envelope.
Federal Standard 313

Establishes requirements for the preparation and submission of Material Safety Data Sheets (MSDS) by contractors who provide hazardous materials to government activities
POP – Performance Oriented Packaging

•Designed especially to transport hazardous material
•Testing includes drop, hydrostatic pressure, leakage, stack, and vibration tests.
Shelf Life Items

- Products that are effective, useful or suitable for consumption for a limited time period
- Type I vs. Type II items
- Federal Standard 123 requires:
  - Date of manufacture,
  - Date of expiration (Type I)
  - Date of re-inspection (Type II)
Keep it Moving