



U.S. General Services Administration

# 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



The top of the slide features a close-up, slightly blurred image of the American flag, showing the stars and stripes. Below the flag is a solid red horizontal bar.

# Background

- Supply Chain
- Frustrated Freight

# Supply Chain



# Frustrated Freight

Breakdown in the supply chain

- Creates waste
- Increases costs
- Dissatisfied customers



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# Packaging and Packing

- Define
- Why
- The Depots

A close-up photograph of the American flag, showing the stars and stripes, positioned at the top of the slide.

# 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.

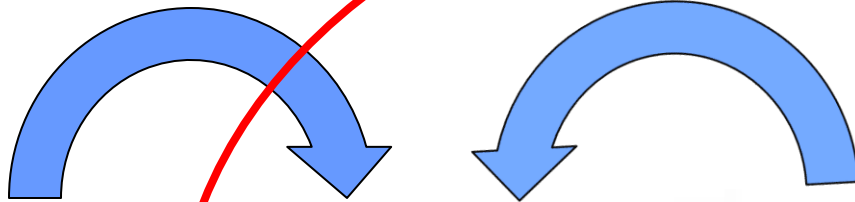


# Packaging





# Packing



# Packaging and Packing

Some packaging is made durable enough to be utilized as packing in transport, such as barrels.



The top of the slide features a close-up, slightly blurred image of the American flag, showing the stars and stripes. Below the flag is a solid red horizontal bar.

## **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



The top of the slide features a close-up, slightly blurred image of the American flag, showing the stars and stripes. Below the flag is a solid dark red horizontal bar.

## **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.

[http://www.aphis.usda.gov/import\\_export/plants/plant\\_exports/wpm/country/index.shtml](http://www.aphis.usda.gov/import_export/plants/plant_exports/wpm/country/index.shtml)





4 way entry pallet

MAX height 53 inches

## GSA Pallet Requirements



# Marking

- Federal Standard 123
- Military Standard 129



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## 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.

The top of the slide features a close-up, slightly blurred image of the American flag, showing the stars and stripes. Below the flag is a solid dark red horizontal bar.

# 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.

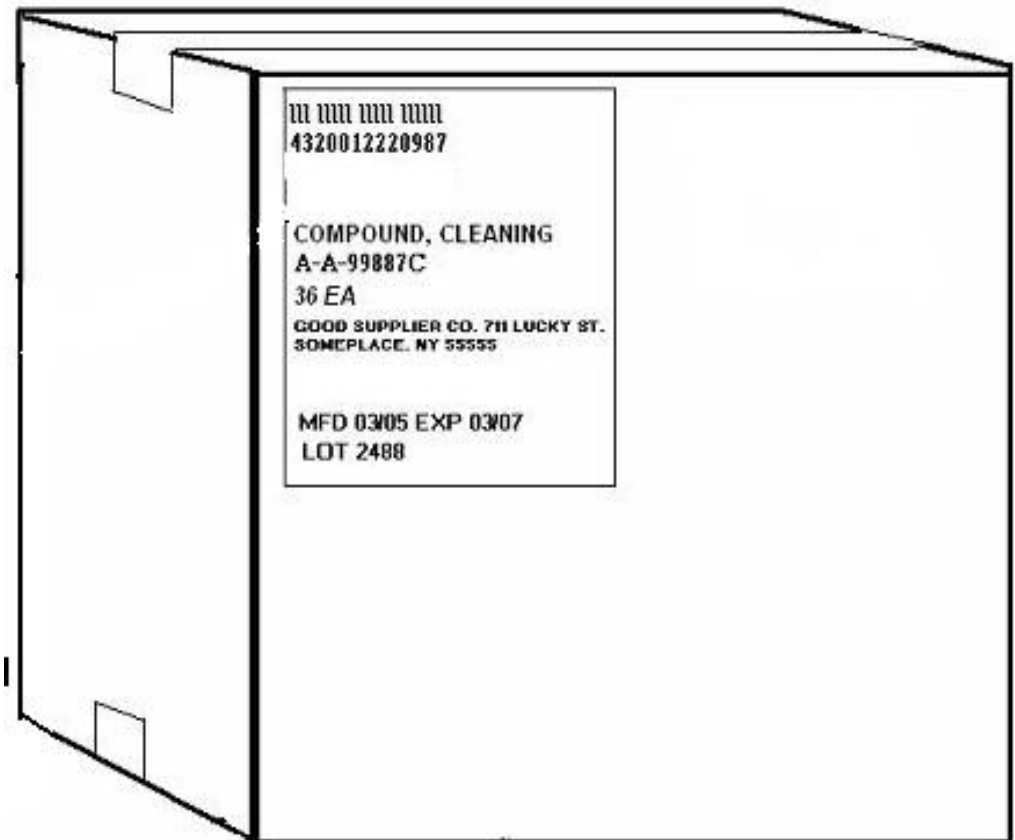
Intermediate container or package: A wrap, box, or bundle (that is, a container) that contains two or more unit packages of identical items.

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

# Unit and Intermediate Markings

## Federal Standard 123

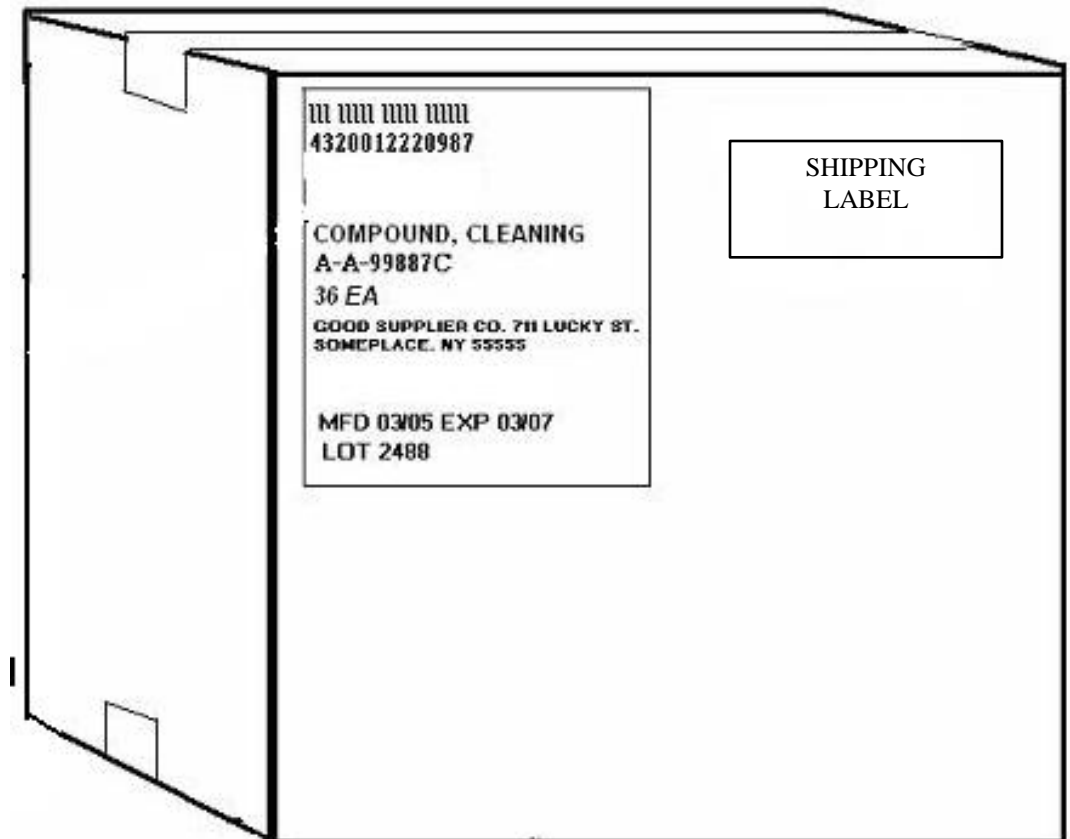
- National Stock Number (NSN)
- Item Name (nomenclature)
- Quantity and Unit of Issue
- Contractor Name and Address
- Shelf Life markings if applicable
- Special markings if applicable



# Transport Package Markings

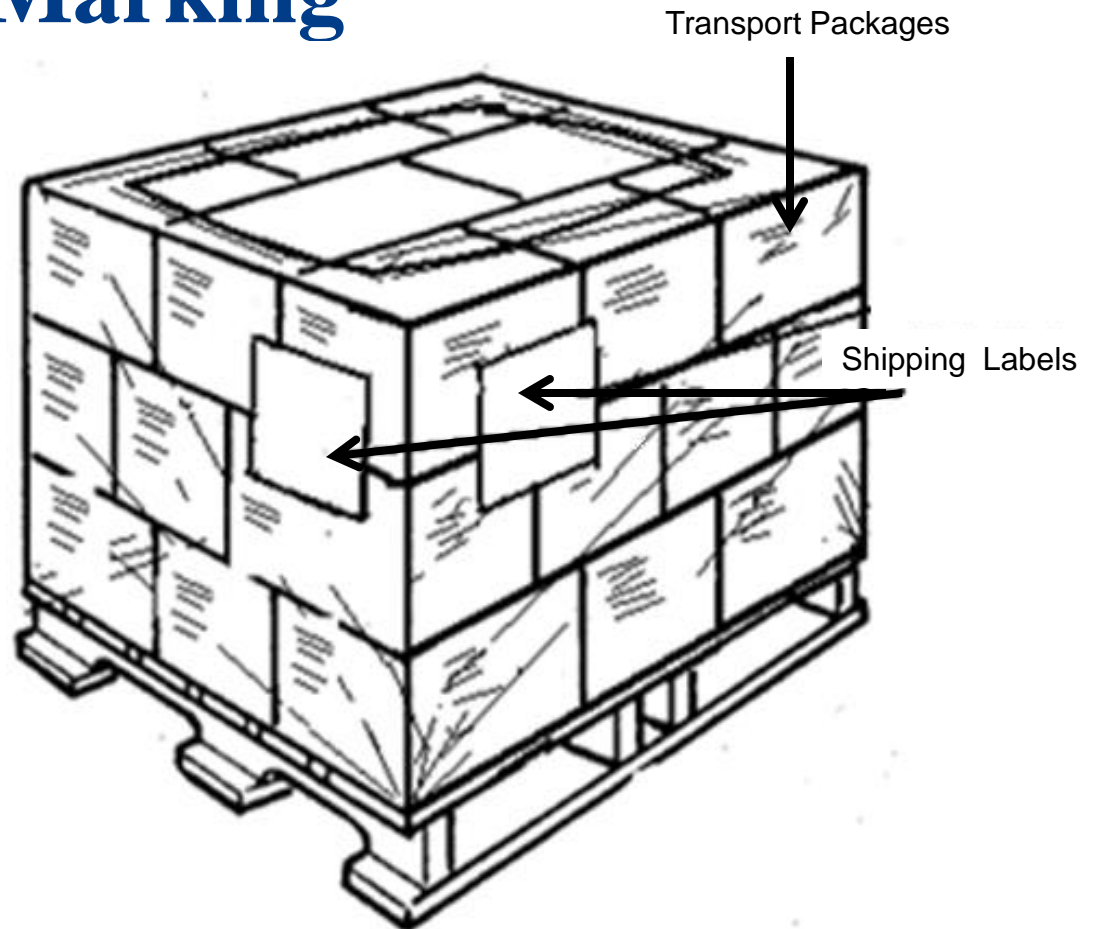
## Shipping Label

- 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

\*160.

FIRST PASS

GSA FORM 3186

<b>ORDER FOR SUPPLIES OR SERVICES</b>		1. GSA USE ONLY Dec 14, 2011	Sent FAX MEVP	2. DATE OF ORDER Nov 17, 2011	ORDER NUMBER N-W-XXXX-2 M
4. FROM General Services Administration INVENTORY MANAGEMENT - QSDKBA 1500 BANNISTER RD KANSAS CITY MO 641313088			IMPORTANT - A copy of this order or the information in item 10 below MUST accompany shipment.		
ADMINISTRATION BY: <input checked="" type="checkbox"/> A. ABOVE OFFICE <input type="checkbox"/> B.			5. INSPECTION/ACCEPTANCE A. DESTINATION <input type="checkbox"/> B. ORIGIN BY REGION <input checked="" type="checkbox"/> C. ACCEPTANCE BY <input type="checkbox"/> 7 (days after delivery)		6. MODIFICATION NUMBER
9A. VENDOR WILL <input checked="" type="checkbox"/> DELIVER <input type="checkbox"/> SHIP		9B. BY Jan 04, 2012 <input type="checkbox"/> OR SOONER <input type="checkbox"/> SEE NOTE IN ITEM 12		7. FOB DESTINATION <input checked="" type="checkbox"/> A. DESTINATION <input type="checkbox"/> B. ORIGIN <input type="checkbox"/> C. INSIDE DELIVERY <input checked="" type="checkbox"/> D. TAILGATE DELIVERY	
10. SHIP TO/REQUIRED MARKING: (CONSIGNEE ) GSA EASTERN DISTRIBUTION CTR CALL 609 499 7025 FOR APPT 1900 RIVER RD BURLINGTON NJ 08016			8. GBL NUMBER		
MARK FOR TRANSP CNTRL NO (INCLUDE REQUISITION NUMBER(S) AS SHOWN IN ITEM 12)			11. TO CONTRACTOR (Remittance address differs) <input checked="" type="checkbox"/> (012345678) (012345678) ABC COMPANY 820 COMPANY AVE NOWHERE PA 12345678		
PROJ PRI RDO 2036			CONTRACT NUMBER BPA-GS-06F-1234A		
12. REQUISITION NO., ITEM/STOCK NO. AND DESCRIPTION			13. QUANTITY	14. UNIT	15. COST
M2A1F2-N3-1234567891234 1234-56-789-1234 WIDGETS TOT WGT: 3,830.000 TOT CUBE: 410.00 UNIT PER PACK: 0001 ACCEPTANCE TIME AFTER DELIVERY _____ DAYS			50	EA	A. UNIT PRICE 160.00 B. AMOUNT 8,000.00



The top of the slide features a close-up, slightly blurred image of the American flag, showing the stars and stripes. Below the flag is a solid dark red horizontal bar.

# 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

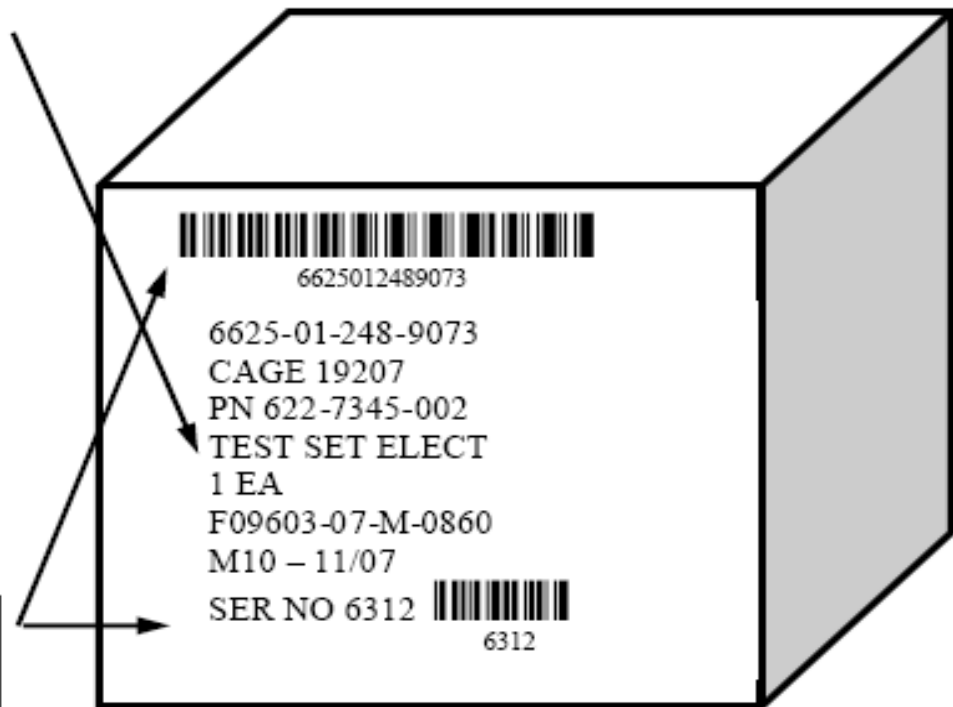
# Unit & Intermediate Markings with Linear Bar Codes

## # 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)



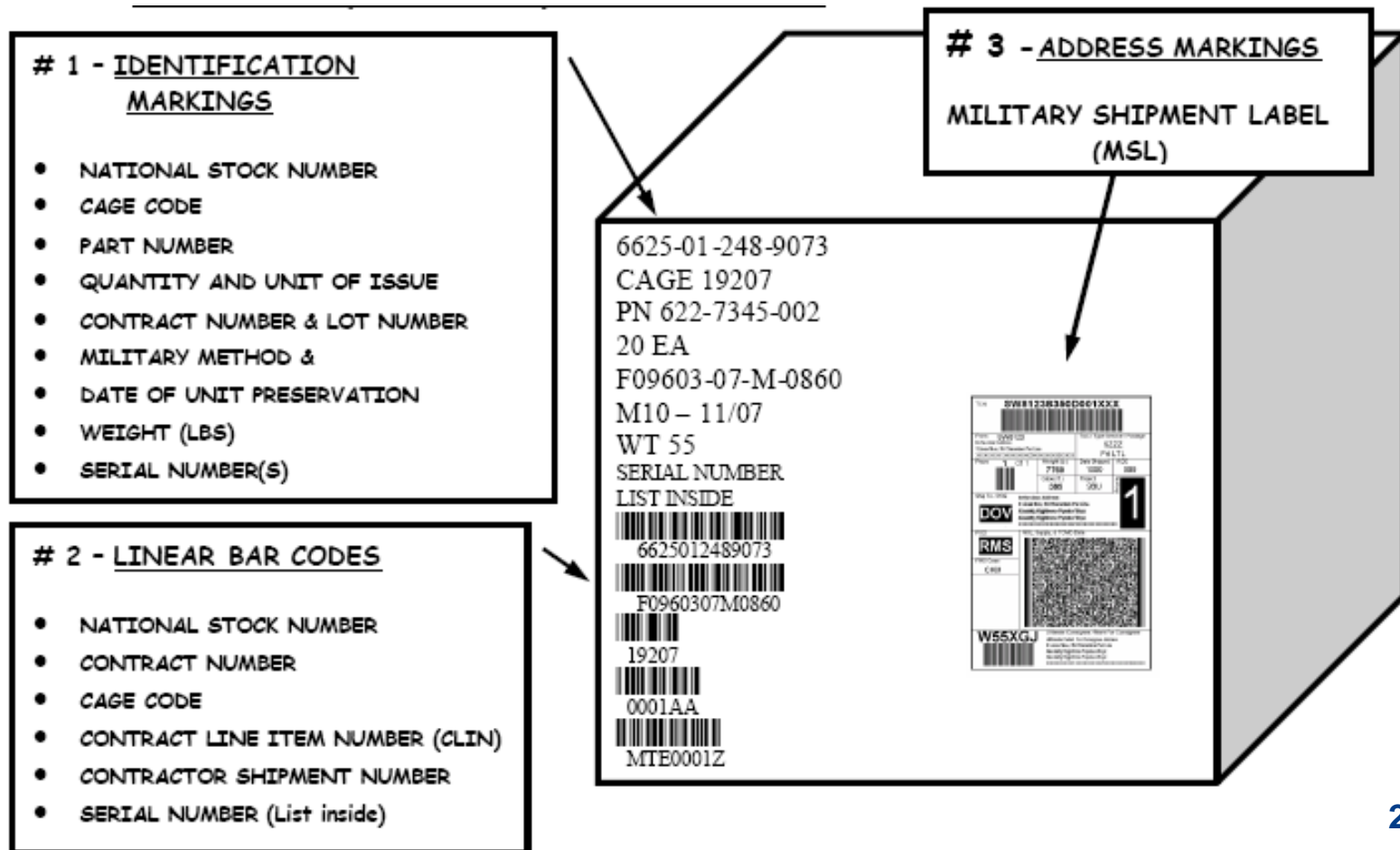


# Unit & Intermediate Markings with 2D Symbol and Unique Item Identifiers

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



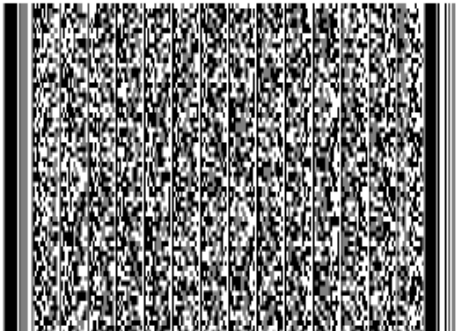



# Exterior Containers



# 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

TCN		<b>SW81238350D001XXX</b>	
			
From <b>SW8123</b> In-the-clear Address 3 Lines Max, 35 Characters Per Line XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX		TAC / Type Service / Postage <b>SZZZ</b> <b>Frt LTL</b>	
Piece <b>1</b> Of 1 	Weight (lb.) <b>7760</b>	Date Shipped <b>1090</b>	RDD <b>999</b>
	Cube (ft.) <b>385</b>	Project <b>9BU</b>	Priority <b>1</b>
Ship To / POE <b>DOV</b>		In-the-clear Address 5 Lines Max, 35 Characters Per Line Abcdefg Hijklmno Pqrstuv Wxyz Abcdefg Hijklmno Pqrstuv Wxyz XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX	
POD <b>RMS</b>	MSL, Supply, & TCMD Data 		
FMS Case CKM			
<b>W55XGJ</b> 		Ultimate Consignee / Mark For Consignee Ultimate / Mark For Consignee Address 5 Lines Max, 35 Characters Per Line Abcdefg Hijklmno Pqrstuv Wxyz Abcdefg Hijklmno Pqrstuv Wxyz XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX	

# Sample Order to DLA

\*13.98

FIRST PASS

GSA FORM 3186

<b>ORDER FOR SUPPLIES OR SERVICES</b>		1. GSA USE ONLY Dec 30, 2011	Sent EDI NJHL	2. DATE OF ORDER Dec 14, 2011	3. ORDER NUMBER NPN-B-XXXXX-2N
4. FROM <b>General Services Administration</b> GSA - 2FY - FAS  26 FEDERAL PLAZA, ROOM 19-116 NEW YORK, NY 10270 ADMINISTRATION BY: <input type="checkbox"/> A. ABOVE OFFICE <input checked="" type="checkbox"/> B. 9			IMPORTANT - A copy of this order or the information in item 10 below MUST accompany shipment.		
9A. VENDOR WILL <input checked="" type="checkbox"/> DELIVER <input type="checkbox"/> SHIP <input type="checkbox"/> OR SOONER <input type="checkbox"/> SEE NOTE IN ITEM 12			5. INSPECTION/ACCEPTANCE A. DESTINATION <input checked="" type="checkbox"/> B. ORIGIN BY REGION <input type="checkbox"/> C. ACCEPTANCE BY <input type="checkbox"/> 7 (days after delivery)		6. MODIFICATION NUMBER
10. SHIP TO/REQUIRED MARKING: (CONSIGNEE W90GT4 )  DLA DEFENSE DIST DEPOT TRACY DEPOT TRUCK CONTROL 209-839-4518 / 4519 25600 CHRISMAN ROAD WHSE 30 CCP TRACY CA 95304-5000			7. FOB DESTINATION A. DESTINATION <input checked="" type="checkbox"/> B. ORIGIN <input type="checkbox"/> C. INSIDE DELIVERY <input type="checkbox"/> D. TAILGATE DELIVERY <input checked="" type="checkbox"/>		8. GBL NUMBER
MARK <input type="checkbox"/> TRANSNTRNL <input checked="" type="checkbox"/> W70GM4 1234 5678 X XX (INCLUDE REQUISITION NUMBER(S) AS SHOWN IN ITEM 12)			11. TO CONTRACTOR (Remittance address differs) (012345678) (012345678) XYZ COMPANY 1310 ABC PLACE ALEXANDRIA VA 12345678		
12. REQUISITION NO., ITEM/STOCK NO. AND DESCRIPTION W90GT4-1234-5678 1234-56-789-1234			13. QUANTITY 3	14. UNIT EA	15. COST A. UNIT PRICE 12.05 B. AMOUNT 36.15

# 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/>

The screenshot displays the Vendor Support Center (VSC) website. At the top, the GSA logo and the text "Vendor Support Center Federal Acquisition Service" are visible. A navigation bar includes links for Home, Getting on Advantage, Reporting Sales, Contract Administration, Publications, Government Marketplace, and Business Opportunities. The main content area features a "Welcome" message and a "News" section with three articles. A central menu lists various tools and services, with a red arrow pointing to "Marking / Labeling / Packaging". To the right, there are sections for "Modifications" and "Related Links".

**Vendor Support Center**  
Federal Acquisition Service

Home | Getting on Advantage | Reporting Sales | Contract Administration | Publications | Government Marketplace | Business Opportunities

**Welcome**  
Join our online community and share your experience and suggestions on doing business with the government.

**Contract Management Tools**  
ACO Locator  
CCR  
Electronic Subcontracting Reporting System  
Contractor Report Card  
Marking / Labeling / Packaging  
High Priority Order  
Submit CPES BPA Monthly Status Report

**Modifications**  
e-Mods  
MAS Mod Central Intake Desk  
Instructions to Submit Electronic Modification Requests  
Mass Mods  
S Mod Process  
Rapid Action Modifications

**News** | Events | Updates and Info | Modifications | Training

Dec 7, 2011 - EAS Electronic Data Driven Pricing Posted to GSA Advantage  
The Enterprise Acquisition Solution (EAS) Pricing Pilot streamlines business.  
[Read More >](#)

Dec 2, 2011 - Administrator Johnson Statement on President Obama's ESPP Announcement  
News Release 12/2/2011 Administrator Johnson Statement on President Obama's ESPP Announcement  
[Read More >](#)

Nov 15, 2011 - EPA and GSA Highlight "Ecycling" on America Recycles Day  
News Release 11/15/2011 EPA and GSA Highlight "Ecycling" on America Recycles Day  
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# **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



The top of the slide features a decorative banner with a portion of the United States flag, showing the stars and stripes. Below this banner is a solid red horizontal bar.

## **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.

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## **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

