

## MILITARY STANDARD 129 MARKING AND SHIPPING LABEL REQUIREMENTS

Instructive guidance on compliance with Mil-Std-129R for GSA's vendor partners can be found on the Vendor Support Center Strategic Partner Delivery webpage at: <https://vsc.gsa.gov/administration/spd.cfm>. A copy of Mil-Std-129R is available on the site as well as numerous other guidance documents which are essential to ensuring compliance with Mil-Std-129R.

**The below guidance provides a brief overview of Mil-Std-129R requirements but is not all inclusive. The information below should only be used as guidance. Where this document deviates from the most current version of Mil-Std-129R, Mil-Std-129R will take precedence. The vendor is responsible for ensuring compliance with the most updated requirements.**

**Unit and Intermediate Container marking**- Barcoded NSN-no dashes, NSN with hyphens, cage code, part number (PN specified in the contract may be the PN assigned by the Government procuring activity or the PN of the actual manufacturer. Letters "PN" or "P/N" shall be used to identify this information), Nomenclature, Quantity and Unit of Issue, Contract number and purchase order number, batch/lot number, Shelf-life marking, **If TCN Number available indicate**. If both the contract number and the purchase order cannot be placed on the label, **place the purchase order number on the label**.

**Exterior Containers marking** - use the same basic label format as unit containers, but without the item description. In addition the NSN, Purchase Order Number and CAGE Code must also be barcoded. This can be done on one large label, or two smaller labels placed side-by-side.

### FIGURE ONE: UNIT, INTERMEDIATE, AND EXTERIOR CONTAINER MARKING

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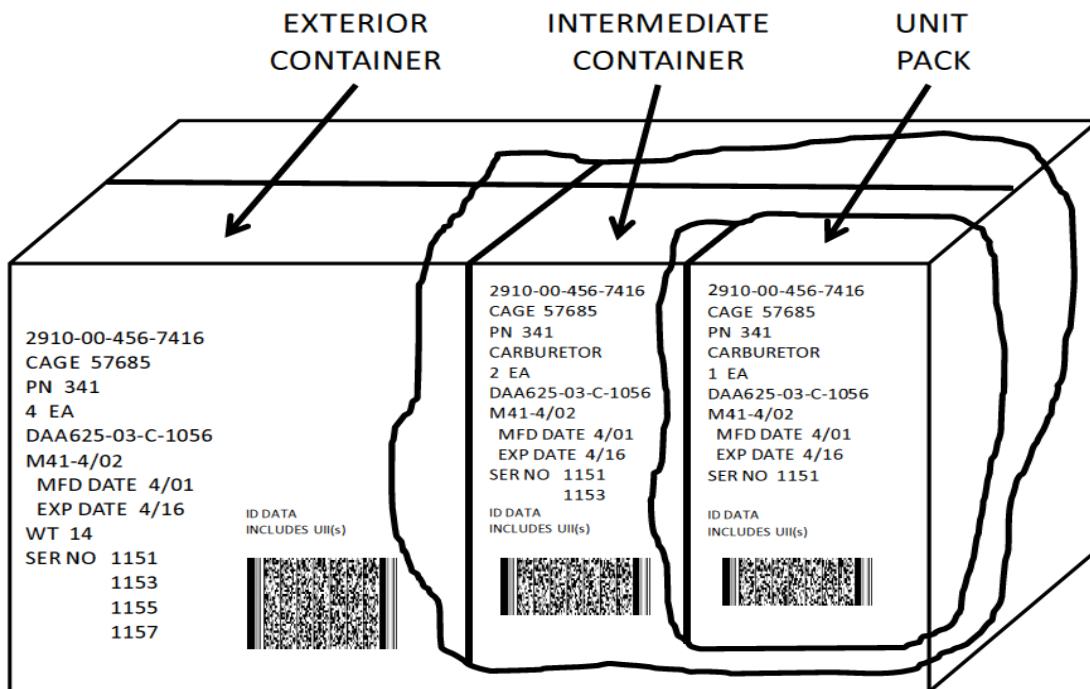


FIGURE 1. Example of unit pack, intermediate and exterior container identification text marking and 2D (PDF417) bar codes.

The following are the basic marking requirements for the unit pack, intermediate and exterior containers from the applicable paragraphs of Mil-Std-129R:

## Mil-Std-129R - 5.1.1 Identification text marking on unit packs and intermediate containers.

Unless specifically exempted in the contract or solicitation, the following identification text information shall be marked on all unit packs and intermediate containers, in the order listed. This requirement applies to all unit packs and intermediate containers repacked for shipment by military installations. Additional identification marking may be required by the contract and shall be placed either below the identification text marking or in a conspicuous location on the identification-marked side of the container. Unit packs used as exterior containers at the time of packaging shall be marked in accordance with 5.1.2.

- a. NSN/NATO stock number.
- b. CAGE code.
- c. Part number.
- d. Item description or nomenclature.
- e. Quantity and UI.
- f. Contract number or purchase order number
- g. Military preservation method and date of unit preservation
- h. Shelf life.
- i. Serial number(s).

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### j. Hazardous materials.

**Mil-Std-129R 5.1.2 Identification text marking on exterior containers, palletized unit loads, and unpacked items.** (see multiple figures in 5.3. Unless specifically exempted in the contract or solicitation or this standard, the following minimum identification text information shall be marked on all exterior containers, palletized unit loads, and unpacked (loose) items in the order listed:

- a. NSN/NATO
- b. CAGE code
- c. Part number
- d. Item description or nomenclature.
- e. Quantity and UI
- f. Contract number or purchase order number (PIIN).
- g. Military preservation method
- h. Gross weight.
- i. Proper shipping name (PSN) and North American (NA) or United Nations (UN) HAZMAT identification number.
- j. Shelf life.
- k. Serial number(s).
- l. Hazardous materials.

A major show stopper with FAS orders for both export and domestic shipments are not having a properly prepared shipping label. The lack of proper shipping label information can cause frustrated freight at the DOD freight consolidation and overseas forwarding facilities. **The transportation control number (TCN)** is the key element in tracking FAS Distribution Operation shipments and must appear on the shipping label with “in the clear text” and barcode information.

Figure 2 illustrates the minimum information needed to ship our customers’ orders. Figure 3 will indicate the applicable blocks where information can be found on the Order for Supplies or Services Form (GSA Form 3186). Figure 4 demonstrates the preferred location of the MSL on an exterior shipping container. The requirements for the Military Shipping Label (MSL) may be found in Mil-Std-129R Para 5.2.2. The MSL label and format are required by DOD.

### FIGURE 2- MSL IDENTIFICATION MARKINGS

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TCN <b>SW81238350D001XXX</b>	
From <b>SW8123</b> In-the-clear Address 3 Lines Max, 35 Characters Per Line XXXXXXXXX1XXXXXXXXX2XXXXXXX3XXXXX	
TAC / Type Service / Postage <b>SZZZ</b> Frt LTL	
Piece <b>1</b> Of <b>1</b> Weight (lb.) <b>7760</b> Date Shipped <b>1090</b> RDD <b>999</b>	
Ship To / POE <b>DOV</b> In-the-clear Address Abcdefg Hijklmn Pqrstuvwxyz Abcdefg Hijklmn Pqrstuvwxyz XXXXXXXXX1XXXXXXXXX2XXXXXXX3XXXXX	
POD <b>RMS</b> FMS Case <b>CKM</b>	
MSL, Supply, & TCMD Data 	
<b>W55XGJ</b> 	
Ultimate Consignee / Mark For Consignee Ultimate / Mark For Consignee Address 5 Lines Max, 35 Characters Per Line Abcdefg Hijklmn Pqrstuvwxyz Abcdefg Hijklmn Pqrstuvwxyz XXXXXXXXX1XXXXXXXXX2XXXXXXX3XXXXX	

NOTE: Not actual size. Recommended label size is 4 by 6 inches (10.2 by 15.2 cm).

FIGURE 2A. Generic MSL.

TCN <b>AWS1EAA\$0D00340XX</b>	
Equipment Description <b>HELICPR CARGO MH-60K</b> Serial Number / Package ID 1234567890123	
Model <b>12345ASDFG</b> Bumper Nm <b>HQ-123</b> ULN <b>1234567</b> UIC <b>WS1EAA</b>	
From <b>AWA2UC</b> In-the-clear Address 3 Lines Max, 35 Characters Per Line XXXXXXXX1XXXXXXXXX2XXXXXXX3XXXXX	
Length (in.) <b>1239</b> TAC <b>YZZZ</b>	
Piece <b>1</b> Of <b>1</b> Weight (lb.) <b>14000</b> Width (in.) <b>123</b> Project <b>9BU</b>	
Cube (ft.) <b>1200</b> Height (in.) <b>135</b> RDD <b>123</b>	
Ship To / POE <b>DOV</b> In-the-clear Address 5 Lines Max, 35 Characters Per Line Abcdefg Hijklmn Pqrstuvwxyz Abcdefg Hijklmn Pqrstuvwxyz XXXXXXXX1XXXXXXXXX2XXXXXXX3XXXXX	
POD <b>RMS</b> Commodity/SH <b>VD</b>	
MSL / TCMD / Unit Move Information 	
<b>W44TYH</b> 	
Ultimate Consignee / Mark For Consignee Ultimate / Mark For Consignee Address 5 Lines Max, 35 Characters Per Line Abcdefg Hijklmn Pqrstuvwxyz Abcdefg Hijklmn Pqrstuvwxyz XXXXXXXX1XXXXXXXXX2XXXXXXX3XXXXX	

FIGURE 2B. Unit move MSL.

**MIL-Std-129R - 5.2.2.3 MSL format.** The in-the-clear text and bar code entries shall meet required ANSI/ISO standards listed in section 2 and shall comply with 5.2.2.4 through 5.2.2.8, Appendix A detailed formats, and DTR 4500.9-R, Part II, Chapter 208 requirements. The in-the-clear text and linear (Code 39) bar code human-readable interpretation shall be easily human readable.

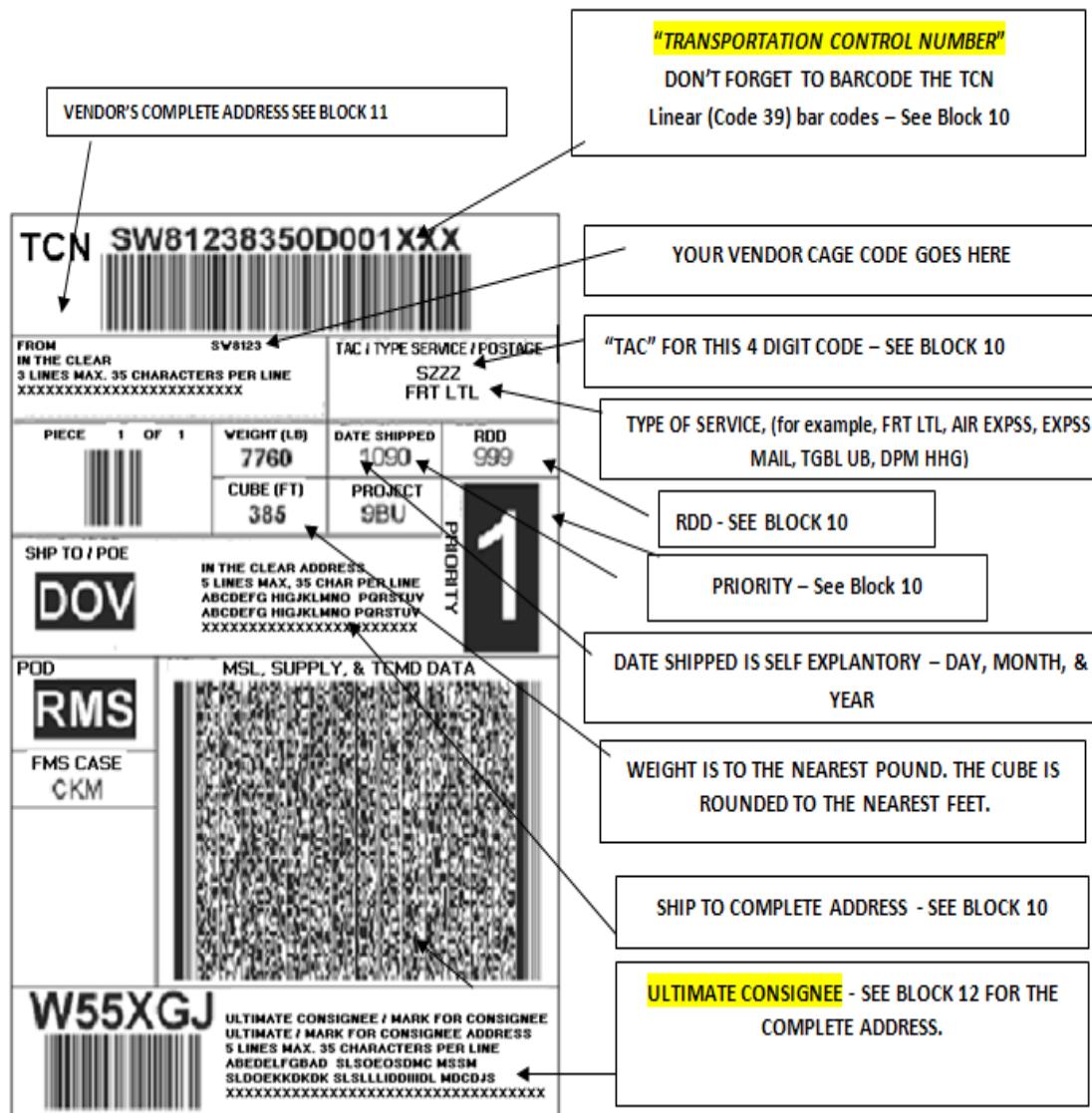
a. **The MSL shall contain the following information:**

<b>(1) TCN.</b> Transportation Control Number	<b>(2) Transportation Account Code (TAC)/Postage.</b>
<b>(3) From.</b> Enter the Consignor DODAAC/CAGE and in-the-clear address	<b>(4) Type Service.</b> In-the-clear text “Ship To” address.
<b>(5) Ship to/POE.</b> Enter an in-the-clear ship to address.	<b>(6) Priority.</b> Enter the applicable priority
<b>(7) POD.</b> Enter three-digit air/water port of debarkation (POD) designator	<b>(8) Project Code.</b> Enter project code, if applicable.
<b>(9) Ultimate Consignee/Mark For Consignee.</b> Enter complete address(es).	<b>(10) Weight (lbs).</b> Enter actual gross weight
<b>(11) RDD.</b> Enter the required RDD code	<b>(12) Cube (ft).</b> Enter the actual cube.
<b>(13) Charges.</b> No known requirement.	<b>(14) Date Shipped.</b> Enter a date (clear)
<b>(15) FMS Case Number.</b> Enter FMS case.	<b>(16) Piece Number.</b> Enter the piece number.
<b>(17) Total Pieces.</b>	<b>(18) 2D (PDF417) bar code.</b>

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FIGURE 3- GSA MILITARY SHIPPING LABEL (MSL) EXAMPLE

INFORMATION AS FOUND ON THE GSA ORDER FOR SUPPLIES OR SERVICES GSA FORM 3186



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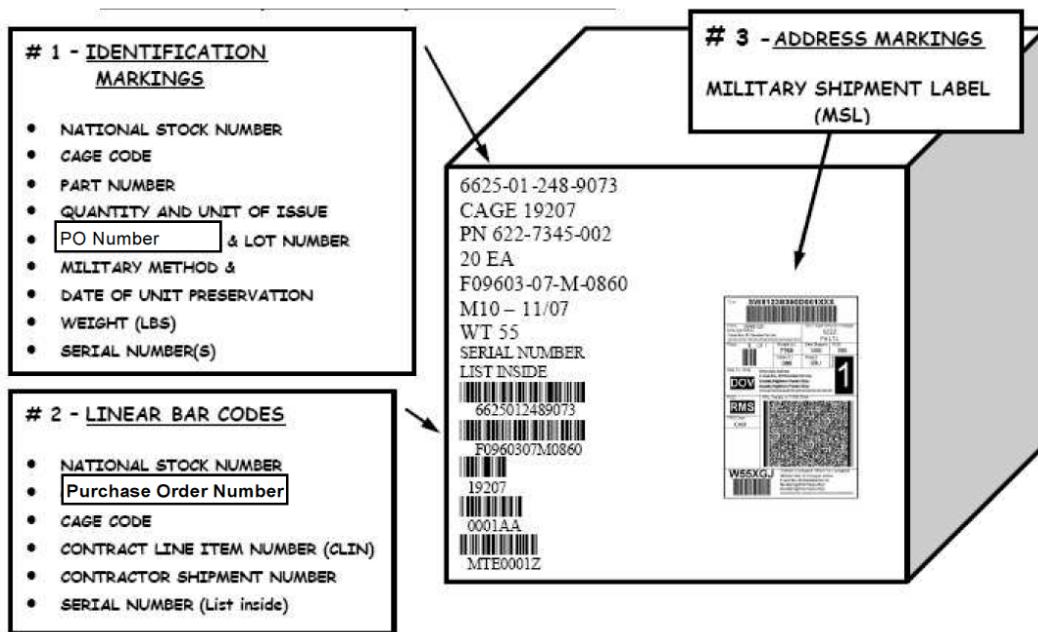
FIGURE 4A- GSA ORDER FOR SUPPLIES OR SERVICES FORM (GLOBAL SUPPLY)

ORDER FOR SUPPLIES OR SERVICES		1. GSA USE ONLY	Mar 27, 2008	Sent EDI	2. DATE OF ORDER	Mar 14, 2008	3. ORDER NUMBER	IPN-Z-X8743-8P
4. FROM General Services Administration HEARTLAND GLOBAL SUPPLY 1500 E. BANNISTER ROAD KANSAS CITY MO 64131				IMPORTANT - A copy of this order or the information in item 10 below MUST accompany shipment. 5. INSPECTION/ACCEPTANCE (5) A. DESTINATION <input checked="" type="checkbox"/> BY REGION <input type="checkbox"/> C. ACCEPT-ANCE BY <input checked="" type="checkbox"/> 7 (S&P and date) B. ORIGIN <input type="checkbox"/> D. TAILGATE DELIVERY <input checked="" type="checkbox"/>				
ADMINISTRATION BY <input type="checkbox"/> A. ABOVE OFFICE <input checked="" type="checkbox"/> 8. 5 9A. VENDOR BILL <input type="checkbox"/> 9B. BY May 16, 2008 <input checked="" type="checkbox"/> DELIVER <input type="checkbox"/> SHIP <input checked="" type="checkbox"/> OR SOONER <input type="checkbox"/> SEE NOTE IN ITEM 12				6. MODIFICATION NUMBER 7. FOB DESTINATION (7) A. DESTINATION <input type="checkbox"/> B. ORIGIN <input checked="" type="checkbox"/> 8. GBL NUMBER (8) C. INSIDE DELIVERY <input checked="" type="checkbox"/> D. TAILGATE DELIVERY				
10. SHIP TO/REQUIRED MARKING: (CONSIGNEE WC1JU4 ) SEE BLOCK 12 DLA DEFENSE DIST DEPOT TRACY DEPOT (10) TRUCK CONTROL 209-839-4518 / 4519 25600 CHRISMAN ROAD VHSE 30 CCP TRACY CA 95304-5000				11. TO CONTRACTOR (912088100) (912088100) (11) ANY LAB SERVICE RRF 131 LAND CIRCLE CITY, STATE AND ZIPCODE				
WORK FOR TRADE TRADE CONTROL NO: ► WC1JU4 5000 0001 X XX (INCLUDE REQUISITION NUMBER(S) AS SHOWN IN ITEM 12)				PROJ. # 02 085 TAC Z9XA CONTRACT NUMBER ► FSS-GS-09R-0009M				
12. REQUISITION NO., ITEM/STOCK NO., AND DESCRIPTION (12)				13. QUANTITY	14. UNIT	15. COST		
***** * -- SHIP TO: ADDRESS IN BLOCK 10 -- * * LABEL FOR ULTIMATE CONSIGNEE WK4FLC * * 0025 CS BN ORD MAINT CO * * SUP DIV DOL BLDG 3030 * * 3030 GAFFNEY RD AWCF SSF * * FT WAINWRIGHT AK 99703-7000 *								

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**Figure 5 – Location of the MSL on an exterior shipping container**

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Military Shipping Labels (MSLs) are required for all shipping addresses: There are numerous websites vendors can access which will provide an acceptable MSL at a low price.

### Mil-Std-129R 5.4.1 Bar code data content specifications (non-ammunition).

**5.4.1 Bar code data content specifications (non-ammunition).** NOTE: Bar code requirements for container UII/serial number list requirements are in 5.4.1.2.1. Bar code marking requirements for the MSL are in 5.2.2.6 and 5.2.2.7. Bar code marking requirements for the DD Form 1348-1A (Issue Release/Receipt Document) are in 5.12. Bar code requirements for customer direct shipments are in 5.5.

#### 5.4.1.1 Identification bar code content for unit packs and intermediate

- a. The NSN/NATO stock number.
- b. The UII(s) and assigned serial number(s).

**5.4.1.2 Identification bar code content for exterior containers, palletized unit loads, and unpacked items.** Exterior shipping containers, palletized unit loads, and unpacked items shall be marked using machine-readable bar codes with the following information:

- a. The NSN/NATO stock number.
- b. The contract or order number.
- c. The CAGE code of the company awarded the contract.
- d. The CLIN.

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- e. The contractor shipment number, when assigned (see DFARS Appendix F, Part 3).
- f. The UII(s) and assigned serial number(s).

NOTE: For linear (Code 39) bar code configurations, see 5.4.2.4 thru 5.4.2.6. For information on the placement of bar code marking see 5.4.5.

**FIGURE 6- EXAMPLES OF TYPICAL LINEAR BAR CODE (CODE 39) FIELDS**

LINEAR (CODE 39) BAR CODE IDENTIFICATION MARKINGS	
A. NSN/NATO Number (1) Typical 5950-00-123-4567 (2) Fixed Length (13 characters) (3) No suffix, prefix, or spaces or dashes bar coded (unless otherwise specified in the contract or purchase order)	 5950001234567
B. Contract Number/Procurement Instrument Identification Number (PIIN) (1) Basic Number Typical DAHC94-88-D-0007 (2) With Call Number (when specified) Typical DAHC94-88-D-0007-0010	 DAHC9488D00070007  DAHC9488D00070010
C. Commercial and Government Entity (CAGE) (1) Typical 33825 (2) Fixed 5 characters	 33825
D. Contract Line Item Number (CLIN) (1) Typical 1001AB (2) Fixed 6 characters	 1001AB
E. Contractor Shipment Number (1) Typical BETH001 or BET0001 (2) Basic seven characters and eight with a suffix	 BETH001 OR  BET0001
F. Serial Numbers (1) Basic SNs (a) Typical 0001937 (b) Variable length (c) Fixed length if specified  (2) Army Weapons SN (a) Typical 1937 (b) Variable length	 1937 OR  0001937   1937

I have read and understand the Military Marking Requirements and the Military Shipping Label Requirements in accordance with Military Standard 129R (Mil-Std-129R) and will comply with these requirements 100% for all purchase orders issued under subject Contract. I understand that where the guidance above deviates from the most current version of Mil-Std-129R, Mil-Std-129R takes precedence and I will ensure 100% compliance with Mil-Std-129R. NOTE: THERE ARE ADDITIONAL REQUIREMENTS FOR HAZMAT MATERIALS. PLEASE SEE MILITARY STANDARD 129R.

VENDOR NAME: \_\_\_\_\_ VENDOR DUNS: \_\_\_\_\_

Vendor Signature

Date

## **Supplemental/Clarification Sheet Pertaining To Packaging/Packing, Marking/Labeling, and Other Requirements**

### **MARKING**

In general, marking of shipments shall be in accordance with the GSAM provision/clause 552.211-73 Marking.

In more detail:

Marking of supplies for deliveries to domestic civilian activities shall comply with the latest edition of Federal Standard 123. That is, unit, intermediate, and transport packages shall be marked directly on the side surface of the package or on a label affixed to the package, with the identification marking as specified in the standard. Transport packages shall also have, in addition to the identification marking, a shipping label that includes the purchase order, contract, or the requisition numbers; as applicable, including the consignor and consignee names (i.e., ship from/to), gross weight, cube and piece number.

Marking of supplies for deliveries to civilian activities, export locations, including commercial freight forwarders and third party logistics providers, shall be the same as deliveries to domestic locations except that the shipping label shall show on the same label, or another label affixed next to the shipping label, the ultimate consignee (i.e., Mark For AAC).

Marking of supplies for deliveries to domestic military activities shall comply with the latest edition of Military Standard 129. That is, unit, intermediate, and exterior or shipping containers shall be marked directly on the side surface of the package or on a label affixed to the package, with the identification marking as specified in the standard. Exterior or shipping containers shall also have in addition to the identification marking, a Military Shipping Label (MSL) per the standard.

Marking of supplies for deliveries to military activities, export locations, including forwarding and container and consolidation points (CCPs) shall be the same as deliveries to domestic locations except that the MSL must show the ultimate consignee (Mark For DoDAAC) and the Transportation Control Number (TCN).

### **PACKAGING/PACKING**

Unless packaging in accordance with Mil-Std-2073-1 "Standard Practice for Military Packaging" is specified in the solicitation, contract or order, packaging/packing of supplies, exclusive of hazardous material, for domestic and export shipments to civilian and military activities shall comply with GSAM Provision/Clause 552.211-75 Preservation, Packaging, and Packing which references the National Motor Classification Standard (NMFC) and/or the latest requirements of ASTM D-3951, "Standard Practice for Commercial Packaging". Until the commercial packaging/packing requirements in GSAM Clause 552.211-75 is revised, compliance to the either the GSAM clause or the ASTM D-3951 Standard Practice For Commercial Packaging will be acceptable; however, compliance to the ASTM requirements is mandatory for GSS contracts, and is preferred for all other contracts. In case of conflict between the GSAM clause and the revision of ASTM D-3951, the ASTM requirement shall govern.

Packing of hazardous material (HM) supplies for shipments shall comply with the GSAM clause/provision 552.223-73 "Preservation, Packaging, Packing, Marking and Labeling of Hazardous Materials (HAZMAT) For Shipments". That is, packing of HM for domestic shipments shall comply with the latest versions of DOT HMR in 49 CFR, parts 171-180, and OSHA HCS in 29 CFR, part 1910.1200.

Packing of HM for export shipments (includes forwarding and container and consolidation points, commercial freight forwarders and third party logistics providers) shall comply with the latest versions of DOT HMR in 49 CFR, parts 171-180, and OSHA HCS in 29 CFR, part 1910.1200, and the applicable IMDG, IATA, ICAO, AFMAN-24, standard for the mode of transportation.

## WOOD PACKAGING MATERIAL

Packaging and Packing of supplies using Wood Packaging Material (WPM) in a pallet or skid for export shipments (includes forwarding and container and consolidation points, commercial freight forwarders and third party logistics providers) shall comply with the requirements in provision/clause GSAM 552.211.89 "Manufactured Wood packaging Material for Export" or the applicable requirements in ASTM D-3951 relative to WPM. That is the wood shall be treated and stamped appropriately for export.

## PRIME ITEMS

Packaging and packing of supplies designated in the Item Purchase Description (IPD) as Plastic Removal In the Marine Environment (PRIME) items shall be as specified in the IPD. That is; use of plastic packing materials, void fill other than Kraft paper, and pressure sensitive tapes are prohibited. Plastics are defined in ASTM D883-00, Standard Terminology Related to Plastics.

## ITEMS REQUIRING SAFETY DATA SHEETS (SDSs)

Items requiring SDSs shall be provided by the contractor as specified in IPD and the FAR provision/clause 52.223-3 "Hazardous Material Identification and Material Safety Data". That is, a one copy of the SDS shall be included inside or affixed to the outside of each transport package. If affixed outside the SDS must be placed in a weather resistant envelope. Data in all 16 sections of the OSHA HazCom/GHS standards will be required. HM shall be labeled with an OHSA/GHS compliant labels to include the following data: (1) Product Identifier, (2) Signal Word, (3) Hazard Statements, (4) Pictograms, (5) Precautionary Statements, and (6) Chemical Manufacturer, Importer, or Other Responsible Party Information.

## Formaldehyde Emission For Composite Wood Products

All applicable composite wood products shall meet the formaldehyde emission and labeling requirements covered by the Toxic Substance Control Act (TSCA) Title VI, Formaldehyde Standards for Composite Wood Products (15 U.S.C. 2697, 81FR 89674-89743, December 12, 2016)