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SUPERSEDING  
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# MEDICAL MARKING STANDARD NO. 1D



*MEDICAL SUPPLY CHAIN  
DLA TROOP SUPPORT  
ATTN: PACKAGING (FSSB)  
700 ROBBINS AVENUE  
PHILADELPHIA, PA 19111-5092*

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## I. SCOPE

A. This document provides the marking requirements for contractor/vendor-originated shipments of medical material, and shall be applicable to both military and commercial packaging. Additional markings may be required in the contract/purchase order and/or SOW or by the cognizant activity.

B. Except as otherwise stated, this document shall be used for marking contractor/vendor-originated shipments of medical material.

C. Marking consists of numbers, letters, bar codes, labels, tags, symbols, colors, etc., applied to provide identification and to expedite and safe handling during shipment and storage.

D. This revision is effective upon publication.

## II. APPLICABLE DOCUMENTS AND PUBLICATIONS

A. The following documents and publications form a part of this document to the extent specified herein. Unless otherwise specified in the contract/purchase order and/or SOW, the document in effect on the issue date of the contract/purchase order and/or SOW shall apply. Additional documents and publications may also be applicable, as specified in the contract/purchase order, and/or SOW.

### GOVERNMENT DOCUMENTS

#### MILITARY SPECIFICATIONS

MIL-PRF-61002 – Pressure-Sensitive Adhesive Labels for Bar Coding

#### MILITARY STANDARDS

MIL-STD-129 – Standard Practice - Military Marking for Shipment and Storage  
MIL-STD-130 – Standard Practice for Identification Marking of U.S. Military Property  
MIL-STD-2073-1 – Standard Practice for Military Packaging

(Copies of specifications and standards may be obtained from DLA Document Services, Bldg 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094 or electronically through <https://quicksearch.dla.mil/qssearch.aspx>.)

### REGULATIONS

#### CODE OF FEDERAL REGULATIONS (CFR)

Title 29 CFR – Labor  
Title 49 CFR – Transportation

#### DEFENSE FEDERAL ACQUISITION REGULATION (DFAR)

#### DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT(DFARS)

(Copies of CFR, DFAR and DFARS may be obtained from Superintendent of Documents, U. S. Government Printing Office, Washington, DC 20402.)

## JOINT MILITARY

- AFMAN 24-204(I)/TM 38-250/NAVSUP – Preparing Hazardous Materials for Military  
PUB 505/MCO 4030.19I/DLAI 4145.3/ Air Shipments  
DCMAD1, CH3.4 (MH 24)
- DLAD 4145.41/AR 700-143/AFJI – Packaging of Hazardous Material  
24-210/NAVSUPINST 4030.55B/  
MCO 4030.40B
- DLAI 4145.21/TB MED 284/ – Preparation of Medical Temperature-Sensitive  
NAVSUPINST 4610.31A/AFJI 41-208 Products Requiring Freeze or Refrigerated  
(Chill) Environments for Shipment

(Copies may be obtained from Defense Logistics Agency, ATTN: DSS-CV, 8725 John J. Kingman Road, FT Belvoir, VA 22060-6221.)

## NON-GOVERNMENT DOCUMENTS

### ASTM INTERNATIONAL

- ASTM D 996 - Standard Terminology of Packaging and Distribution Environments
- ASTM D 3951 - Standard Practice for Commercial Packaging
- ASTM D 5445 - Standard Practice for Pictorial Markings for Handling of Goods

(Copies are available for purchase from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 or electronically through <http://www.astm.org/>.)

### INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)

#### Dangerous Goods Regulations

(Copies are available for purchase from International Air Transport Association, 2000 Peel Street, Montreal, Quebec H3A 2R4, CANADA.)

### INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)

#### Technical Instructions for the Safe Transportation of Dangerous Goods by Air

(Copies are available for purchase from International Regulations Publishing and Distributing Organization, P. O. Box 60105, Chicago, IL 60660.)

### INTERNATIONAL MARITIME ORGANIZATION (IMO)

#### International Maritime Dangerous Goods (IMDG) Code

(Copies are available for purchase from International Maritime Organization, 4 Albert Embankment, London SE1 7SR, England.)

### NORTH ATLANTIC TREATY ORGANIZATION (NATO)

- STANAG 4281 – NATO Standard Marking for Shipment and Storage
- STANAG 4329 – NATO Standard Bar Code Symbology

(Copies of Standardization Agreements (STANAGs) are available from DLA Document Services, Bldg 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094 or electronically through <https://quicksearch.dla.mil/qssearch.aspx>.)

RADIO FREQUENCY IDENTIFICATION (RFID) AND UNIQUE ITEM IDENTIFIER (UII) DOCUMENTS

DoD Suppliers' Passive RFID Information Guide

Supplier Implementation Plan

DoD Guide to Uniquely Identifying Items

The UII Guide is available at <http://www.acq.osd.mil/dpap/pdi/uid/index.html>)

B. Non-Government documents and publications are normally available from the organizations that prepare or distribute them. They may also be available through libraries or other informational services.

C. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

**III. TERMINOLOGY**

A. General packaging definitions. General packaging definitions may be found in ASTM D 996, as well as other referenced documents. Hazardous material definitions are listed in Title 49 CFR, Part 171, and other related publications.

B. Unit of issue (U/I or UI) designations. The correct U/I for an item will be as listed in the contract/purchase order and/or SOW. The following listing is representative of the U/I's for medical items and is provided for information purposes only:

AM - Ampoule	FT - Foot	QT - Quart
BT - Bottle	HD - Hundred	RL - Reel
BX - Box	IN - Inch	RM - Ream
CN - Can	JR - Jar	RO - Roll
CK - Cake	KT - Kit	SE - Set
CN - Can	LB - Pound	SH - Sheet
CO - Container	PD - Pad	SL - Spool
CS - Case	PG - Package	TU - Tube
DR - Drum	PL - Pail	VI - Vial
DZ - Dozen	PR - Pair	YD - Yard
EA - Each	PT - Pint	

C. Abbreviations/Acronyms. The following abbreviations and acronyms are used in this document and/or are commonly associated with marking. Abbreviations shall be in accordance with the standards and/or documents cited for use.

2D	- 2-Dimensional
ABCA	- American, British, Canadian, and Australian
ASC	- Accredited Standards Committee

ADC	- Automatic Data Capture
AIM	- Automatic Identification Manufacturers
AIT	- Automatic Identification Technology
ALSC	- American Lumber Standard Committee, Inc.
ANSI	- American National Standards Institute
ASCII	- American Standard Code for Information Interchange
ASTM	- ASTM International ( <i>formerly American Society for Testing and Materials</i> )
APO	- Air Post Office
BDN	Build Directive Number
C	- Celsius
CAGE	- Commercial and Government Entity
CASKO	- Component, Assembly, Set, Kit or Outfit
CCP	- Consolidated and containerization Point
CFR	- Code of Federal Regulations
COC	- Certificate of Conformance
COE	- Certification of Equivalency
COND	- Condition Code
CONUS	- Continental United States
CPI	- Characters per Inch
CU	- Cube
DCMA	- Defense Contract Management Agency
DDC	- Defense Distribution Center
DDJC	- Defense Distribution Depot, San Joaquin, CA
DDSP	- Defense Distribution Depot, Susquehanna, PA
DEPMEDS	- Deployable Medicine System
DFARS	- Defense Federal Acquisition Regulation (Supplement)
DLA	- Defense Logistics Agency
DoD or DD	- Department of Defense
DoDAAC	- Department of Defense Activity Address Code
DoDAAF	- DoD Activity Address File
DoDIC	- Department of Defense Identification Code
DoDISS	- Department of Defense Index of Specifications and Standards
DoT	- Department of Transportation
DOT-E	- Department of Transportation – Exemption
DOT-SP	- Department of Transportation – Special Permit
DPSC	Defense Personnel Support Center ( <i>now known as DLA Troop Support</i> )
DSCP	- Defense Supply Center Philadelphia ( <i>now known as DLA Troop Support</i> )
DTS	- Defense Transportation System
DVD	- Direct Vendor Delivery
ECAT	- Electronic Catalog
EDI	- Electronic Data Interchange
EXP	- Expiration
F	- Fahrenheit
FDA	- Food and Drug Administration
FMS	- Foreign Military Sales

FPO	- Fleet Post Office
FSC	- Federal Supply Class
GBL	- Government Bill of Lading
GSA	- General Services Administration
HAZMAT	- Hazardous Materials
HMIS	- Hazardous Materials Information System
IATA	- International Air Transport Association
IAW	- In Accordance With
ICP	- Inventory Control Point
ICAO	- International Civil Aviation Organization
II or I.I.	- Item Identification (also known as item description/nomenclature)
IMDG	- International Maritime Dangerous Codes
IMO	- International Maritime Organization
INSP	- Inspection
ISO	- International Organization for Standardization
IUID	- Item Unique Identification
MFD	- Manufactured
MFR	- Manufacturer
NA	- North American
MTMC	- Military Traffic Management Command
MSL	- Military Shipping Label
NATO	- North Atlantic Treaty Organization
NDC	- National Drug Code
NIIN	- National Item Identification Number
N.O.S. or n.o.s.	- Not Otherwise Specified
NSN	- National/NATO Stock Number
OCONUS	- Outside Continental United States
OCR	- Optical Character Reader
OSHA	- Occupational Safety and Health Administration
PDF417	- Portable Data File 417
PIID	- Procurement Instrument Identification Number
PN or P/N	- Product/Part Number
POP	- Performance-Oriented Packaging
pRFID	Passive Radio Frequency Identification
PSN	Proper Shipping Name
QSTAG	- Quadripartite Standardization Agreement
QN	- Quality Notification (also known as Supply Discrepancy Report)
QTY	- Quantity
QUP	- Quantity per Unit Pack
RDD	- Required Delivery Date
RIC	- Routing Indicator Code
RF	- Radio Frequency
RFID	- Radio Frequency Identification
SAMMS	- Standard Automated Material Management System
SDR	- Supply Discrepancy Report ( <i>also known as Quality Notification</i> )
SDS	- Safety Data Sheet

SEAVAN	- Commercial or Government-owned (or leased) Shipping Container
SER NO	- Serial Number
SF	- Standard Form
SKO	- Set, Kit or Outfit
SLC	- Shelf Life Code
SLEP	- Shelf Life Extension Program
SPEDE	- SAMMS Procurement by Electronic Data Exchange
STANAG	- Standardization Agreement
TAC	- Transportation Account Code
TCMD	- Transportation Control Movement Document
TCN	- Transportation Control Number
TP	- Transportation Priority
UI or U/I	- Unit of Issue
UID	- Unique Identification
UII	- Unique Item identifier
UM	- Unit of Measure
UN	- United Nations
UP or U/P	- Unit Price
UPC	- Universal Product Code
UPN	- Universal Product Number
USPS	- United States Postal Service
USTRANSCOM	- United States Transportation Command
WPM	- Wood Packaging Material
WT	- Weight

D. Definitions/Descriptions.

1. Bar code. An array of rectangular bars and spaces in a predetermined pattern representing coded elements of data that can be automatically read and interpreted by automatic bar code reading devices. A bar code may be either linear or 2-dimensional.
2. Case. Either an interior container within a palletized unit load or an individual exterior (shipping) container.
3. Cognizant activity. The activity having responsibility for a contract or jurisdiction over it. At a contractor's facility, the cognizant activity is the procuring contracting officer or the administrative contracting officer.
4. Cold chain management. The process of preparing specific temperature-sensitive medical products (such as FSC 6505 Vaccines) for shipment utilizing standardized systems and procedures, as well as ensuring that required temperatures are properly maintained throughout the supply chain and the validation that those required conditions are met during all phases of distribution until delivery.
5. Commercial and government entity (CAGE) code. A five-position alphanumeric code which identifies each supplier of items to the Federal Government. The CAGE code may be found on the first page of the contract/purchase order in the same block as the awardee's name and address. The prefix "CAGE" shall be used to identify this number.
6. Consignee (receiver). The party to whom material is shipped and whose name and address appear in the "ULTIMATE CONSIGNEE" or "MARK FOR" block of the shipping label.

7. Consignor (shipper). The party who ships material and whose name and address appear in the "FROM" block of the shipping label.

8. Contract Line Item Number (CLIN). A four to six-digit number used to identify each delivery date and/or destination's quantity in the contract schedule.

9. Contract/purchase order number. The identification number assigned to the contract/purchase order. When applicable, the contract number may include a four-digit delivery order number. Also referred to as the procurement instrument identification number (PIID).

10. Controlled item. An item which requires additional control and security in accordance with published regulations and statutes, i.e., narcotics, drug abuse items, etc.

11. Cytotoxic (antineoplastic) drug. A drug that is highly toxic, mutagenic, teratogenic, and carcinogenic; used for cancer chemotherapy.

12. Date manufactured. The date the item was fabricated, processed, produced, or formed for use. For pharmaceuticals, chemicals and biologicals, the date of manufacture shall conform to the definition established by the Food and Drug Administration, or other regulatory agencies.

13. Date preserved. The month and year that the product was packaged in the unit container, regardless of the date of exterior (shipping) container packing. For military preserved and packed material, the military preservation method shall precede the date preserved, i.e., in "M10-6/13", the letter "M" indicates that a military preservation method has been used; "10" is the MIL-STD-2073-1 method number; "6/13" indicates the date of preservation. For commercially preserved and packed material, the date preserved shall be shown as "COMM'L 6/13".

14. Destination address label. The label containing all required delivery information. The label may be a bar-coded military shipping label or a suitable commercial shipment label. A bar-coded military shipping label shall be required for all OCONUS shipments moving through the DTS. A commercial shipment label is acceptable for CONUS shipments and for OCONUS shipments moving through commercial channels, unless otherwise specified in the contract/ purchase order.

15. Defense Transportation System (DTS). The portion of the worldwide transportation infrastructure that supports Department of Defense transportation needs across the range of military operations. The DTS consists of those common-user military and commercial assets, services and systems organic to, contracted for, or controlled by DoD. It includes military-controlled or operated terminal facilities, Air Mobility Command (AMC)-controlled or arranged airlift, Military Sealift Command (MAC)-controlled or arranged sealift, and Government-controlled air or land transportation.

16. Department of Defense Activity Address Code (DoDAAC). A distinct six-position alphanumeric code assigned to identify specific units, activities, or organizations as found in the Department of Defense Activity Address Directory. The DoDAAC may also be found in the acquisition document "SHIP TO" information

17. Deployable medical system (DEPMEDS). A hospital equipment system which is capable of being located in a desired or required area of operation during a contingency, war, or national emergency. The system includes all medical supplies and equipment and selected non-medical equipment such as electrical generators, environmental control equipment, dolly sets, rigid and fabric shelters, and power distribution systems.

18. Expiration date. The date beyond which non-extendible shelf life items (Type I) should be suspended from continued issue or use.

19. Exterior (shipping) container. A container which meets carrier regulations and is capable of protecting the contents from damage during shipment, handling, and storage. Depending on the item being supplied, an exterior (shipping) container may contain one or more units and/or intermediate packages.

20. Government Bill of Lading (GBL). A Government document used to procure transportation and related services from commercial carriers.

21. Gross weight. The total weight of the exterior (shipping) container or unitized load being marked. The gross weight shall be stated in pounds, rounded up to the nearest pound, and shall be preceded by "WT". For unitized loads, the gross weight shall include the weight of the pallet or container base.

22. Hazardous material (HAZMAT). A substance or material which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property, including material which, due to its quantity, concentration, or physical, chemical, or infectious characteristics, may either cause or significantly contribute to an increase in mortality or an increase in serious, irreversible, or incapacitating reversible illness, or pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed. This includes all items which have been so designated as hazardous in Titles 29, 40, 49 CFR or in other applicable modal HAZMAT regulations effective at the time of shipment.

23. Hazardous materials packaging. Packaging having the ability to perform to a specific level of integrity when subjected to performance tests.

24. Human-readable interpretation. An exact interpretation of the encoded bar code data presented in a human-readable font.

25. Immediate container. The first wrap when the unit contains a specific quantity of individually-wrapped items; also referred to as the primary container or individual package.

26. Inspection/test date. The date by which all extendible shelf life items (Type II) should be subjected to testing or visual inspection.

27. Intermediate package. A container, wrap, box, bundle, etc., containing two or more unit containers of identical items. Normally, one or more intermediate packages will be combined into a exterior (shipping) container.

28. Item identification (also known as item description or nomenclature). The description of an item as it appears in the contract/purchase order and/or requisition.

29. Item unique identification (IUID). A system of establishing unique item identifiers within the DoD by assigning a machine-readable character string or number to a discrete item, which serves to distinguish it from other like and unlike items.

30. Kit. A packed unit or group of items normally used in modification, installation or survival.

31. Levels of protection. The extent of packing required to prevent deterioration of or damage to supplies and equipment due to hazards to which they may be exposed during shipment, handling and storage. Protection will be as specified in the contractor/order and may be either military or commercial. Military levels of protection may be either level A or level B. Level A provides maximum protection to meet the most severe worldwide shipment, handling, and storage conditions; level B provides protection to meet moderate worldwide shipment, handling, and storage conditions. Levels of protection are not applicable for commercially preserved and packed material.

32. Lot (control) number. A series of numbers and/or letters established by the manufacturer to



record production and control of the product; also referred to as the batch or identification number.

33. Manufacturer. The owner/operator of a factory or establishment that produces, on the premises, materials, supplies, articles, or equipment required under the contract/purchase order.
34. Military preservation. The preservation designed to protect an item during shipment, handling, indeterminate storage, and distribution to consignees worldwide. Military preservation methods and procedures are defined in MIL-STD-2073-1.
35. Military shipping label. A bar-coded address label which shall be required for all shipments moving through the DTS. In addition to in-the-clear markings, the military shipping label shall include both linear and 2-dimensional bar codes.
36. National/NATO stock number (NSN). The 13-digit number divided into two parts, the first 4 digits represent the Federal Supply Class (FSC) and the last 9 digits represent the National Item Identification Number (NIIN). The first 2 digits of the NIIN identify the country assigning the NSN and are referred to as the National Codification Bureau codes. The remaining 7 are serially assigned numbers. The NSN shall always include appropriate spaces or dashes, except when bar-coded. The NSN bar code and human readable interpretation shall not contain any spaces or dashes. The prefix "NSN" shall not appear in any markings.
37. Packaging. The processes and procedures used to protect material from deterioration, damage, or both. It may include cleaning, drying, preserving, packaging, packing, marking, and unitizing, as applicable.
38. Packing. The assembly of items into unit packs and intermediate or exterior containers, with the necessary blocking, bracing, cushioning, weatherproofing, reinforcement and marking.
39. Palletized unit load. A quantity of items, packed or unpacked, arranged on a pallet in a specified manner and secured, strapped, or fastened on the pallet so that the palletized unit load is handled as a single unit. A palletized or skidded load is not considered to be a shipping container.
40. Parcel post. Any packed material placed into the United States Postal Service channels.
41. Perishable item. An item that normally requires some type of environmental control, such as refrigeration or freeze temperatures during shipment and storage.
42. Passive radio frequency identification (pRFID) tag. An RFID device which modulates and reflects a carrier signal from an interrogator. pRFID tags operate without a separate external power source and obtain operating power generated from the reader.
43. Pilferable item. An item which has a ready resale value and is especially subject to theft.
44. Port of debarkation (PoD). An authorized point where shipments enter a country, either from CONUS or from a foreign country.
45. Port of embarkation (PoE). An authorized point where shipments leave a country, either from CONUS or from a foreign country.
46. Preservation. Application of protective measures, including cleaning, drying, preservative materials, barrier materials, cushioning, and containers, when necessary. Shall protect an item during shipment, handling, indeterminate storage, and distribution to consignees worldwide. Applicable level of preservation may be military or commercial, as specified in the contract/order and shall be included in markings. The date of preservation is the date the item was placed in the unit pack.

47. Product/part number (PN or P/N). The number assigned to the item by the supplier/manufacturer; i.e., catalog number, National Drug Code (NDC), Universal Product Number (UPN), etc. The prefix "PN" or "P/N" shall be used to identify this number. "P.N" is not acceptable and shall not be used.
48. Project code. A three-position alphanumeric code that identifies plans, programs, and exercises. When applicable, the project code will be stated in the contract/purchase order.
49. Proper shipping name (PSN). The name of a hazardous item shown in Roman print (not italics) in part 172 of Title 49 CFR and in other hazardous materials related publications.
50. Protected cargo. Items required to be secured, accounted for, identified, segregated or handled in order to insure their integrity. Protected cargo is subdivided into classified, controlled, pilferable, and sensitive items. Medical controlled cargo includes controlled and pilferable, such as narcotics, drug abuse items (needles, etc.), alcohol, precious metal alloys, selected medical clothing and textile items, etc.
51. Quantity. The number of units of issue in a unit container, intermediate package, exterior (shipping) container, and unitized load. The quantity is always listed together with the Government unit of issue designation, i.e., 1 BT, 12 PG, 144 EA, etc.
52. Quantity per unit pack (QUP). The quantity of individual items in a unit container. For most items managed by the Medical Supply chain, the QUP shall be one.
53. Required delivery date (RDD). The day of the year (e.g., 087, 198, etc.) specified in the requisition, when material is required by the requisitioner or the consignee.
54. Semi-perishable item. An item that does not normally require refrigeration or freeze temperatures during shipment and storage.
55. Serial number. An assigned designation that provides a means of identifying a specific individual item. The number on the item which is assigned by the manufacturer or the Government for identification or control of an item.
56. Set. A unit and its assemblies, subassemblies, and parts, which together perform an operational function.
57. Shelf life. The total period of time that an item is suitable for issue and use. For items managed by the Medical Supply Chain, shelf life may mean the total period of time beginning with the date of manufacture, the date the unit was packaged, or the total expiration dating period of the item. Shelf life should not be confused with service life. Shelf life markings for Medical items may include the date of manufacture, expiration date, inspection/test date, as applicable, and as specified in the contract/purchase order and/or SOW.
- a. Assembled date. The date items/parts are assembled into components, assemblies, sets, kits, or outfits (CASOs), or the date various CASOs are assembled into a larger unit.
  - b. Expiration date. The date by which non-extendible shelf-life items (type I) will be discarded as no longer suitable for issue/use.
  - c. Manufactured date. The date the item was fabricated, processed, produced, or formed for use. For drugs, chemicals, and biologicals, the date of manufacture for products submitted to the Food and Drug Administration (FDA) for certification prior to release is the date of the official certification notice. For products manufactured under the license of the Agricultural Research Service (ARS), the date manufactured conforms to the definition established by the ARS.

d. Inspection/test date. The date by which extendible shelf-life items (type II) will be subjected to visual inspection, certified laboratory tests, or restoration.

58. Shelf life code (SLC). A code assigned to an item to identify the number of months of original shelf life and also whether the original shelf life is non-extendible (Type I) or extendible (Type II). Table III provides a listing of shelf-life codes and the applicable shelf life time periods.

59. Shelf life item. An item of supply that possesses unstable or deteriorative characteristics to the degree that a storage time period must be assigned to insure that the item will perform satisfactorily in service. There are two types of shelf life items: type I items have a definite non-extendible period of shelf life; type II items have an assigned shelf life period which may be extended after the completion of prescribed inspection/test/restorative actions. Typically, extension of type II shelf life shall be in one-year increments, with a maximum of 3 one-year extensions shall be permitted. However, when specified for certain type II items, extension period may be eighteen months, with a maximum of 2 eighteen month extensions.

a. Shelf life item, Type I. A type I shelf life item is an individual item of supply which is determined through an evaluation of technical test data and/or actual experience, to be an item with a definite non-extendible period of shelf-life. One exception is type I medical shelf-life items that may be extended if they have been accepted into and passed testing for extension in the DoD/FDA Shelf-Life Extension Program (SLEP).

b. Shelf life item, Type II. A type II shelf life item is an individual item of supply having an assigned shelf-life time period that may be extended after completion of visual inspection/certified laboratory test, and/or restorative action.

60. Shipping container. An exterior container which meets carrier regulations and is of sufficient strength, by reason of material, design, and construction, to be shipped safely without further packing (e.g., wooden boxes or crates, fiber and metal drums, and corrugated/solid fiberboard boxes).

61. Transportation control number (TCN). The single standard shipment identification number for all vendor shipping transactions involving DoD material. A seventeen-position, alphanumeric data element assigned to control a shipment unit through the transportation pipeline, including CONUS shipments, shipments entering the DTS, and commercial systems. When applicable, the TCN will be specified in the contract/purchase order and/or SOW.

62. United Nations (UN) identification number. A serial number assigned to a hazardous item under the UN classification system.

63. Unitization. An assembly of a quantity of containers in a single load for ease in shipping, handling, and storage. With prior approval from the procuring activity, unitization may be accomplished by any suitable commercial means.

64. Unit of issue (UI or U/I). The standard unit designation assigned to each item. The applicable U/I is indicated in the contract/purchase order, i.e., EA, BT, PG, etc.

65. Unit pack. The first tie, wrap, or container applied to a single item, or a quantity thereof, or to a group of items of a single NSN, which constitutes a complete or identifiable package. A unit pack may often be referred to as the unit of issue.

66. Warranty markings. The markings that apply when a shipment contains items with a service life defined in a specific amount of hours, a specific end date, or a specific operating time. When applicable, the requirement for warranty markings will be stated in the contract/purchase order and/or SOW.

E. Descriptions of marking elements (unit, intermediate package, exterior (shipping) container and unitized load, as applicable). See various figures for marking samples.

1. NSN. The in-the-clear NSN listed in the identification markings will include dashes; however, dashes will not be included in the bar-coded NSN and human readable interpretation. If no NSN is assigned, this line may be omitted.

2. CAGE code and part number (PN or P/N). The CAGE code of the company awarded the contract/ purchase order for the item being shipped shall be listed, followed by the company's product/part number for the item. The CAGE code shall be preceded by "CAGE" and the product/part number shall be preceded by "PN" or "P/N".

3. Item identification (also known as item description or nomenclature). The exact name and description of the item as it appears in the contract/purchase order and/or SOW. Item identification may be listed on more than one line, if necessary. Standard abbreviations may be used for lengthy item identifications.

4. Quantity and unit of issue. The official Government quantity and unit of issue for the item (i.e., 1 BT, 1 PG, 1 EA, etc.).

5. Contract/purchase order number. Identification number assigned to the contract/purchase order, which is also referred to as the PIID (Procurement Item Identification Number). When applicable, this number shall also include the 13 Character task/delivery order identifier.

6. Preservation method and date of unit preservation/packaging. Type and date of unit preservation/packaging, either Military or commercial, as specified in the contract/purchase order and/or SOW. Military preservation method will vary depending on the item and shall always be indicated by "M" followed by the method of preservation. Commercial preservation will always be indicated by "COMM'L" or "COMM". This requirement is currently applicable to shipments of all items managed by the Medical Supply Chain, except commercial product in FSC 6505/6509 commercial preserved. Method of preservation only is required. "COMM'L" or "COMM". No Date.

a. Military preservation. Military preservation shall be listed as "M10-6/13", "M20-6/13", etc., as applicable, where:

"M" military preservation has been applied

"10" indicates the method of military preservation

"6/13" indicates the date of military preservation

b. Commercial preservation. Commercial preservation shall be listed as "COMM'L 6/13", or, as an alternate, "COMM 6/13", where:

"COMM'L" or "COMM" indicates commercial preservation has been applied

"6/13" indicates the date of commercial preservation.

7. Gross weight. Gross weight will be expressed in pounds rounded up to the nearest pound. "WT" shall precede the gross weight.

8. Hazardous materials markings. Markings required by 49 CFR and other hazardous materials regulations, as applicable. Markings include the proper shipping name (PSN) and either the North American (NA) or United Nations (UN) identification number.

9. Shelf life markings. Shelf life markings shall be supplied as required in the contract/purchase order and/or SOW. Shelf life markings may include the expiration date, date of manufacture, inspection/test date, etc., as applicable.

10. Lot (control) number. The lot (control) number shall be supplied as required in the contract/purchase order and/or SOW.

11. Bar codes. Bar codes shall be supplied as specified in the contract/purchase order and/or SOW. Other markings. Additional markings shall be supplied as specified in the contract/purchase order and/or SOW. Additional markings may include storage legend(s), pictorial markings, etc.

F. Destination address label. The address label shall be supplied on the marked side of the container and shall not interfere with any required markings. If adequate space is not available on the marked side, the address label shall be placed on the opposite side. However, when the shipment requires unitization, the address label need only be supplied on one of the marked sides of the unitized load.

1. Military shipping label. Except as otherwise specified in the contract/purchase order and/or SOW, a completed military shipping label shall be supplied on each exterior (shipping) container and/or unitized load for all OCONUS shipments moving through the DTS.

2. Contractor/vendor-originated address label. Unless otherwise specified in the contract/purchase order, the contractor/vendor may supply a commercial address label on each exterior (shipping) container and/or unitized load.

G. passive Radio Frequency Identification (pRFID) tagging.

DoD is amending the DFARS to remove requirements for the use of passive radio frequency identification (RFID) tags for shipments that meet the criteria at DFARS 211.275-2. DoD no longer requires the use of passive RFID tags for shipments due to the use of more cost-effective technologies.

Accordingly, this rule removes and reserves the contract clause at DFARS 252.211-7006, Passive Radio Frequency Identification, which requires contractors to submit advance shipment notices to associate the passive RFID tag with the corresponding shipment, and removes and reserves section 211.275, Passive radio frequency identification. DFARS sections 211.275-1, Definitions; 211.275-2, Policy; and 211.275-3, Contract clause, are also removed. DFARS clause 252.211-7006 is removed from the list of solicitation provisions and contract clauses for the acquisition of commercial items at DFARS 212.301.

## IV. ENGLISH-METRIC CONVERSION

The following tables are provided for information purposes. For convenience in calculation, Metric equivalents are expressed to two decimal places (nearest hundredth), wherever practical.

<u>TABLE I</u>			
<u>STANDARD ENGLISH-METRIC EQUIVALENTS</u>			
<u>Volume</u>			
1 fluid ounce	=	29.57 milliliters	
1 pint	=	0.47 liter	
1 quart	=	0.95 liter	
1 gallon	=	3.79 liters	
<u>Weight</u>			
1 ounce (avoirdupois)	=	28.35 grams	
1 pound (avoirdupois)	=	453.59 grams or 0.454 kilogram	
<u>Length</u>			
1 inch	=	2.54 centimeters	
1 foot	=	30.48 centimeters or 0.305 meter	
39.37 inches	=	1 meter (3.28 feet = 1 meter)	

<u>TABLE II</u>					
<u>MEDICAL MARKING STANDARD - ENGLISH-METRIC CONVERSIONS</u>					
<u>Volume (Liquids)</u>			<u>Weight</u>		
Gallons	=	Liters	Ounces	=	Grams
1		3.79	1		29.35
5		18.95	10		283.50
50		89.50			
55		208.45			(1000 grams = 1 kilogram)
<u>Volume (Solids)</u>					
Cubic feet	=	Cubic meters	Cubic feet	=	Cubic meters
1.0		0.030	6.0		0.180
1.2		0.036	6.5		0.195
1.3		0.039	8.4		0.250
2.0		0.060	9.0		0.270
2.5		0.075	10.0		0.300
3.0		0.090	12.0		0.360
4.1		0.123	30.0		0.900
4.7		0.141	60.0		1.800
5.3		0.160	66.5		1.995

TABLE II (Continued)

Pounds	=	Kilograms	Pounds	=	Kilograms
1.0		0.45	100.0		45.40
2.2		1.00	125.0		56.75
10.0		4.54	144.0		65.37
11.0		4.99	150.0		68.10
50.0		22.70	200.0		90.80
52.0		23.61	500.0		227.00
65.0		29.51	1000.0		454.00
75.0		34.05	1700.0		771.80

Inches	=	Centimeters	Inches	=	Centimeters
0.0258		0.07	1.0		2.54
0.03		0.08	1.5		3.81
0.0625		0.16	2.0		5.08
0.095 (3/32)		0.24	2.5		6.35
0.10		0.25	3.0		7.62
0.125 (1/8)		0.32	4.0		10.16
0.188 (3/16)		0.48	5.0		12.70
0.375 (3/8)		0.95	10.0		25.40
0.50		1.27	50.0		27.00
0.875 (7/8)		2.22	100.0		54.00
0.90		2.29	144.0		65.76

NOTE: 10 millimeters equals 1 centimeter.

Feet	=	Meters
1.00		0.305
3.28		1.000
25.00		7.620
50.00		15.240
150.00		45.730

Temperature Conversion

To change degrees Celsius (C) to degrees Fahrenheit (F), multiply temperature by 1.8 and add 32.

To change degrees Fahrenheit (F) to degrees Celsius (C), subtract 32 from temperature and divide by 1.8.

Degrees Fahrenheit	=	Degrees Celsius
32		0
35		2
46		8
100		38
212		100

## V. GENERAL REQUIREMENTS

### A. Acceptable abbreviations.

1. Unit of issue. The correct unit of issue for marking purposes is the unit of issue as listed in the contract/purchase order and/or SOW. The official Government 2-letter abbreviation shall be listed. Periods or other editorial marking shall not be used.

2. Item identification. When necessary due to space limitations, readily identifiable abbreviations may be used. Periods shall not be used.

B. Marking requirements. Medical material shall be marked in English as specified herein and in the applicable contract/purchase order and/or SOW. Required markings may include identification data, bar codes, destination address, shelf life, lot (control) number, storage legends, markings for items requiring special handling (i.e., perishable items, controlled items, hazardous items, etc.) and shall be supplied as applicable. Exact placement of markings may vary slightly from the examples. In addition, for all items except DEPMEDS and hazardous items, order of markings may vary slightly. Markings include, but are not limited to, the following:

1. Unit. Each unit shall be marked in accordance with commercial practice. In addition, the following markings shall be supplied on each unit, as applicable (see para. V.E.2.d.):

a. Military packaging and, when specified in the contract/purchase order and/or SOW, commercial packaging (see figures 3).

NSN  
CAGE code and manufacturer's product/part number  
Complete item identification  
Government quantity and unit of issue  
Contract/purchase order number (including 13 Character task/delivery order identifiers when applicable)  
Type and date of unit preservation (either Military method or "COMM'L" and date preserved, as applicable)  
TCN

b. Bar codes. Bar codes are not required on the unit unless the unit is also the exterior (shipping) container.

2. Intermediate package. Commercial markings on the container are acceptable, provided they do not interfere with placement of required Government markings. The following markings shall be supplied on each intermediate package, as well as any additional markings as specified in the contract/purchase order and/or SOW (see figure 4):

a. Bar code.

NSN

b. Identification data.

NSN  
CAGE code and manufacturer's product/part number  
Item identification  
Government quantity and unit of issue (total number of units of issue in the intermediate package)  
Contract/purchase order number (including 13 Character task/delivery order identifiers, when applicable)  
Type and date of unit preservation (either Military method or "COMM'L" and date preserved, as applicable)

3. Exterior (shipping) container. The following markings shall be supplied on the side of the exterior (shipping) container having the largest marking surface, as well as any additional markings as



specified in the contract/purchase order and/or SOW (see figures 5 and 6):

a. Identification data.

NSN

CAGE code and manufacturer's product/part number

Government quantity and unit of issue (total number of units of issue in exterior (shipping) container)

Type and date of unit preservation (either Military method or "COMM'L", as applicable, and date preserved)

Gross weight

Contract/purchase order number (including 13 Character task/delivery order identifiers when applicable)

MFD EXP

b. Bar codes (see figure 13).

NSN

Contract/purchase order number (including 13 Character task/delivery order identifiers when applicable)

CAGE code

c. Destination address label. A destination address label shall be supplied on each exterior (shipping) container. A bar-coded military shipping label shall be required for OCONUS shipments moving through the DTS and when required in the contract/purchase order and/or SOW. Unless otherwise specified in the contract/purchase order and/or SOW, the contractor/vendor may supply a commercial address label on each exterior (shipping) container and/or unitized load for CONUS/OCONUS shipments moving through commercial channels. NOTE: When unitization is required, the applicable destination address label need only be supplied on the unitized load.

4. Unitized load. The following markings shall be supplied on one side of the unitized load, as well as any additional markings as specified in the contract/purchase order and/or SOW; markings identified by an asterisk (\*) shall also be supplied on an adjacent side (see figures 7 and 9):

a. Identification data.

\* NSN

\* CAGE code and Manufacturer's part number

\* Government quantity and unit of issue (total number of units of issue in unitized load)

\* Type and date of unit preservation (either Military method and date preserved or "COMM'L" and date preserved, as applicable)

\* Weight (total weight of load, including pallet)

Contract/purchase order number (including 13 Character task/delivery order identifiers, when applicable)

b. Bar codes (see figure 13).

NSN

Contract/purchase order number (including 13 Character task/delivery order identifiers, when applicable)

CAGE code

MFD EXP

c. Destination address label. A destination address label shall be supplied on each unitized load. A bar-coded military shipping label shall be required for OCONUS shipments moving through the DTS, and when specified in the contract/purchase order and/or SOW. Unless otherwise specified in the contract/purchase order and/or SOW, the contractor/vendor may supply a commercial address label on each exterior (shipping) container and/or unitized load for CONUS/OCONUS shipments moving through

commercial channels.

C. Marking methods.

1. All surfaces to be marked shall be clean, dry and free of contaminants. All markings shall be clear, legible, durable, nonfading, and permanent. Unless otherwise specified in the contract/purchase order and/or SOW, all markings shall be black or dark blue, except when applied to a surface on which they are not legible. In this case, markings shall be supplied in a color that provides a definite contrast, i.e., white or yellow markings on an olive drab surface. Prior approval is required from the procuring activity if any color other than black or dark blue is used for markings.

2. Marking may be accomplished by any suitable means that provide the required degree of legibility and durability, i.e., stenciling, ink jet printing, machine printing, laser printing, silk screen printing, labeling, etc. Labels may be used to supply required markings on commercially-marked containers, provided all markings that may be required by applicable regulations are not obliterated. Markings may be supplied on one label or on multiple labels (i.e., one label for each set of required markings). When labels are used, they shall be weather-resistant, remain securely affixed and have a finish capable of withstanding normal handling during shipment and storage.

3. Hand-printing of complete required markings is not acceptable and may never be automatically approved without proper evaluation/response. However, hand-marking of certain specified information may be considered on a case-by-case basis. The vendor shall submit a formal request to the DLA Troop Support Contracting Officer prior to hand-marking any containers. The request shall contain all applicable information, such as the containers to which the request is applicable, together with the detailed information which the vendor proposed to hand-mark. As specified, the vendor shall not hand-mark containers until a response to the request has been provided. The response shall specifically list the information which may be hand-marked. If hand-marking is approved, all hand-marking shall be either black or navy blue, in block uppercase letters, in a height similar to all other printed marking, and shall be clear, legible, and permanent. Cursive writing shall not be acceptable.

4. Markings on the unitized load may be placed on a marking board or placard by using a label or by direct stenciling. For loads with smooth, flat surfaces, markings may be applied directly to two adjacent sides of the load, either by using a label or by direct stenciling; markings shall extend from one container to another.

5. If not inherently waterproofed, all markings on the exterior (shipping) container and unitized load shall be waterproofed by any suitable means, provided legibility or readability of the package markings are not affected. Suitable acceptable means which may be used as protective coatings, may include spar varnish, acrylic coating compound, sealing compound, label adhesive, polyurethane coatings, and clear pressure-sensitive tape. As specified, the protective coating shall not restrict or preclude legibility or readability of the required markings.

D. Marking size.

1. Markings on all sizes of containers shall be in block upper case letters of equal height and shall be proportionate to the available marking space on the unit, intermediate package, exterior (shipping) container and unitized load.

2. For intermediate packages and exterior (shipping) containers, stenciled or printed lettering for identification data and special markings shall be not less than 1/4 inch nor more than 1-1/4 inch in height. When labels are used, lettering shall be not less than 3/32 inch in height. Label size shall not exceed the available marking surface area of the container.

3. For unitized loads, stenciled or printed lettering for identification data and special markings shall be proportionate to the overall size of the unitized load; however, markings shall be not less than 3/4 of an inch in height.

4. Bar codes shall be not less than 1/4 inch nor more than 1-1/4 inch in height.

E. Marking placement. Required markings shall be placed on each container as follows:

1. Immediate container (individual package). When supplied, immediate containers (individual packages) shall be marked in accordance with commercial practice and as specified in the contract/purchase order and/or SOW. Markings may be supplied in any suitable location. NOTE: The immediate container may also be referred to as "primary container".

2. Unit.

a. Markings specified in the contract/purchase order and/or SOW shall be supplied on the unit container in any suitable location, provided all commercial markings required by applicable regulations are not obliterated. However, placement of required markings on the bottom of the container shall not be acceptable.

b. When the unit container is wrapped in a transparent film wrap, markings shall be applied to the container, in lieu of the outside wrap. When the immediate container (bottle, tube, ampoule, vial, etc.,) is packaged in a unit carton, required markings need only be supplied on the unit carton, unless otherwise specified in the contract/purchase order and/or SOW. When a bottle is supplied without a unit carton, specified markings may be supplied in any suitable location, except on the cap or the bottom of the bottle.

c. For items that are not supplied in unit containers, i.e., stainless steel pails, chairs, beds, tables, etc., unit markings may be supplied on a suitable tag that is securely fastened to the unit.

d. When the contract/purchase order and/or SOW specifies military preservation and Level A or Level B packing, complete identification data markings on the unit shall be required in the contract/purchase order and/or SOW. Normally, when the contract/purchase order and/or SOW specifies commercial packaging, commercial markings shall be supplied on the unit. For FSCs 6505 and 6509, only commercial markings are required at the unit level. For FSC 6508, the commercial markings shall be supplied, together with the NSN. For all other FSCs, the NSN, Government quantity, and unit of issue are required, in addition to commercial markings. In certain circumstances, military markings may be required on commercial packaging; when applicable, this requirement shall be specified in the contract/purchase order and/or SOW.

e. Bar codes are not required on the unit unless it is also the exterior (shipping) container.

f. See figures 2 and 3 for sample unit markings. These figures are provided for guidance only; when specified in the contract/purchase order and/or SOW, additional markings may also be required on the unit.

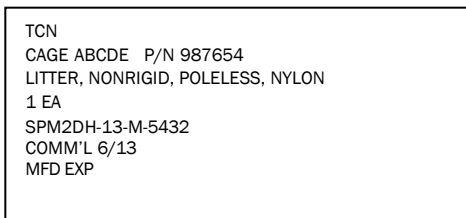


Figure 2. Unit  
Commercial Packaging - All FSCs

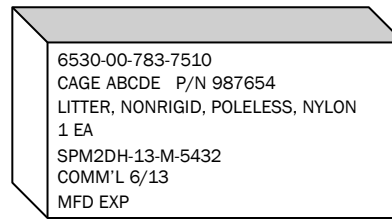


Figure 3. Unit  
Military Packaging/  
Commercial Packaging when applicable  
All FSCs

3. Intermediate package.

a. Bar code, identification data and other markings specified in the contract/purchase order and/or SOW shall be supplied on the intermediate package in a location that permits markings to be easily read while material is in storage.

b. See figure 4 for a sample of markings required on all intermediate packages. This figure is provided for guidance only; when specified in the contract/purchase order and/or SOW, additional markings may also be required on the unit. In addition, when the contract/purchase order and/or SOW calls for military preservation, the intermediate package shall be marked with the method preservation and date of pack, i.e., "M10-6/13", in lieu of "COMM'L 6/13".

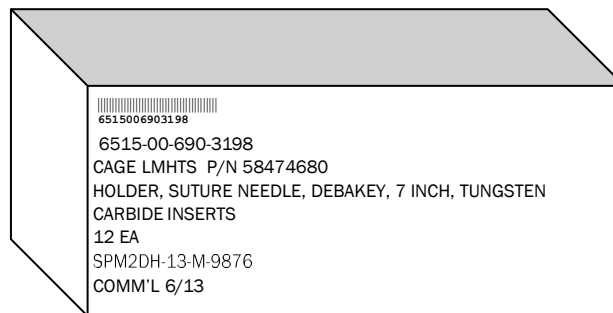


Figure 4. Intermediate Package  
Military/Commercial Packaging  
All FSCs

4. Exterior (shipping) container. Markings on the exterior (shipping) container shall include identification data, other markings as specified in the contract/purchase order and/or SOW, bar codes, and destination address, as follows:

a. Identification data markings specified in the contract/purchase order and/or SOW shall be supplied in the upper left corner of the side of the exterior (shipping) container having the largest marking surface. In addition, when an exterior (shipping) container is 10 cubic feet or larger, identification data markings shall also be supplied on the end of the container that is to the left of the identification-marked side.

b. Other markings specified in the contract/purchase order and/or SOW may include shelf life and storage legend(s). The preferred location for the lot (control) number is on same line the contract/purchase order number, with the shelf life and storage legend(s) on the lines immediately following the weight and cube.

c. Bar codes shall be supplied on the exterior (shipping) container. The preferred location is the upper right corner opposite the identification markings; optionally, bar codes may be supplied in the lower right corner.

d. Destination address label shall be supplied on the exterior (shipping) container when unitization is not required.

e. In rare instances, insufficient space may be available on the identification-marked side of the exterior (shipping) container for proper application of the bar code and/or military shipping label. In those instances, these markings may be applied either to the opposite side or to an adjacent side of the container.

f. See figures 5 and 6 for sample exterior (shipping) container markings and location of destination address label.

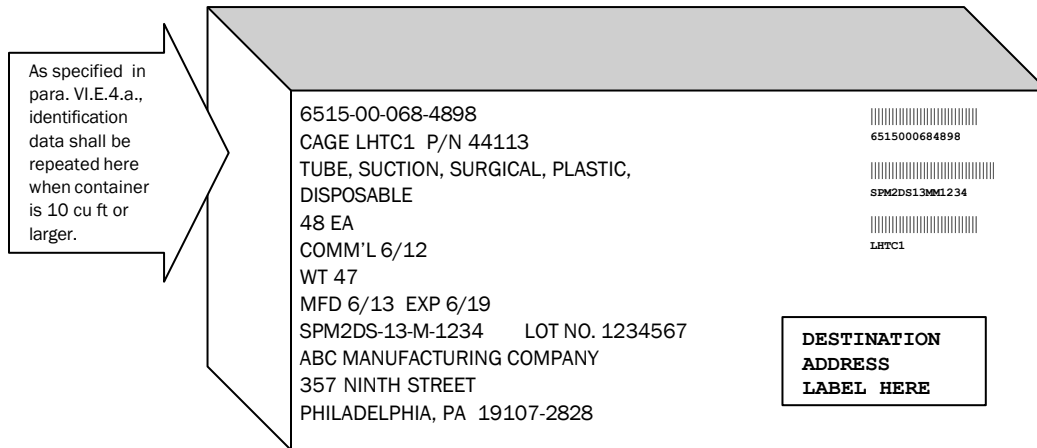


Figure 5. Exterior (Shipping) Container Preferred Bar Code Placement All FSCs

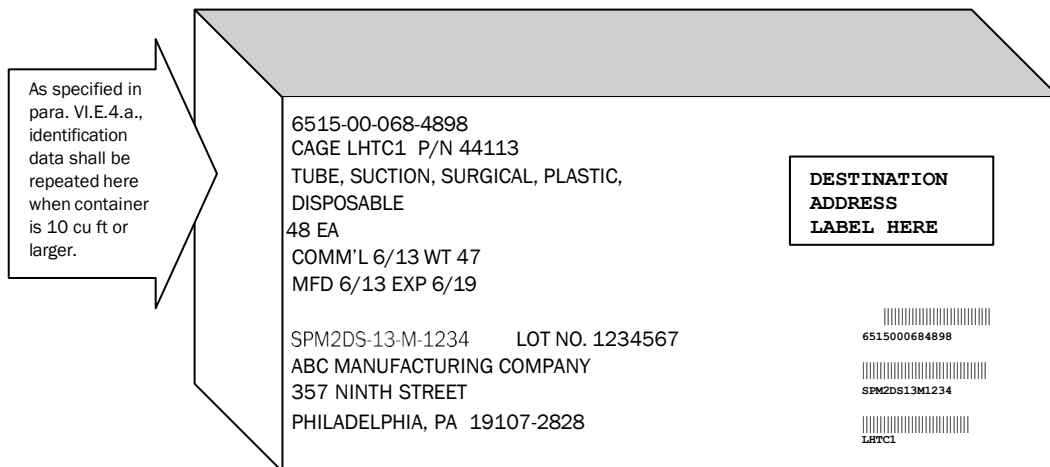


Figure 6. Exterior (Shipping) Container Optional Bar Code Placement All FSCs

h. See para. IV.E.9 for markings applicable to protected cargo. See para. IV.E.12. for markings applicable to DEPMEDS items. See para. IV.E.13 for markings applicable to medical HAZMAT.

5. Unitized load.

a. Markings on the unitized load shall include identification data, bar codes, other markings as specified in the contract/purchase order and/or SOW, and destination address label. When the bar codes on the exterior (shipping) containers comprising the unitized load are scannable, no additional bar codes are required on the unitized load.

b. Markings shall be supplied on two adjacent sides of the load. All markings as specified in the contract/purchase order and/or SOW, including identification data, bar codes, and destination address label, shall be supplied on one side; in addition, markings as illustrated in figure 7 shall be supplied on an adjacent side.

c. When the load is wrapped with shrink or stretch wrap, markings may not be clearly visible through the wrap. Therefore, in addition to all required marking, pressure-sensitive labels containing required markings may also be placed on the outermost layer of wrap on either marked side of the load.

d. See figures 7 and 8 for sample unitized load markings and location of destination address label.

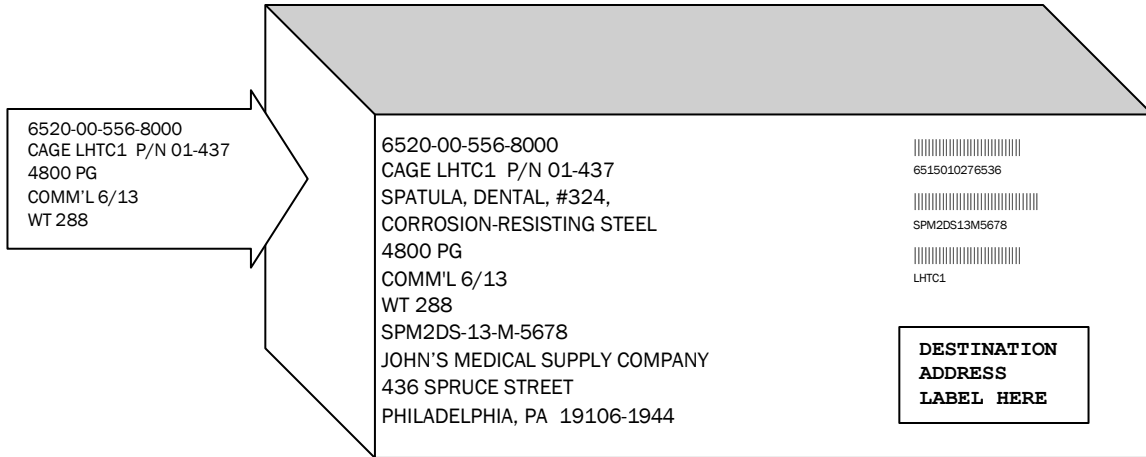


Figure 7. Unitized Load Preferred bar code placement All FSCs

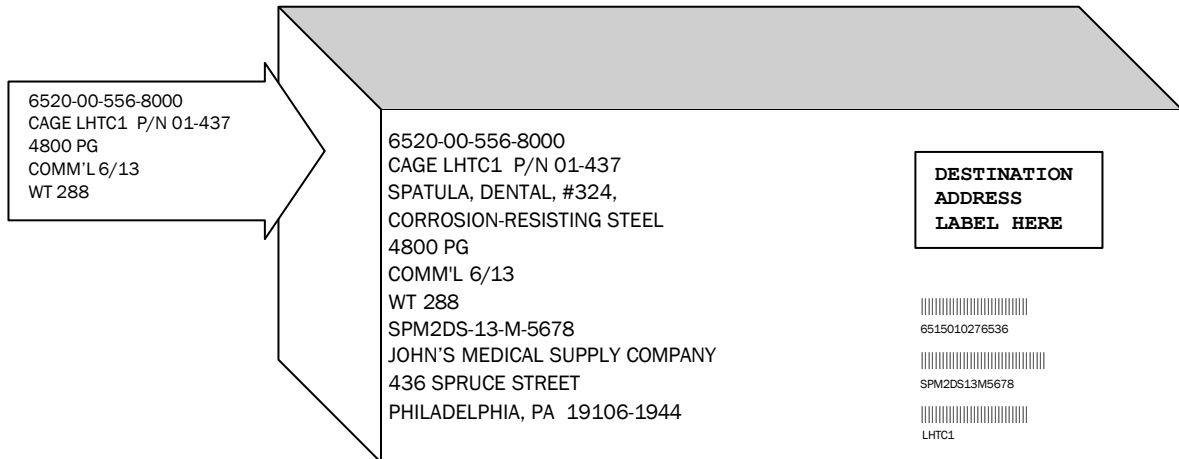


Figure 8. Unitized Load Optional bar code placement All FSCs

## 6. Packing list.

a. A packing list shall be supplied with each shipment of medical material. Either a suitable commercial packing list or DD Form 250 may be used. At least one copy shall be placed inside each exterior (shipping) container. One copy shall be sealed in a suitable water-resistant envelope and shall be affixed to the outside of container no. 1. Exterior packing lists are required on all contractor/vendor-originated shipments of medical material, except for most shipments of protected cargo. When required, linear bar codes shall also be supplied on each packing list or DD Form 250. For information, a copy of DD Form 250 is provided as figure 9.

MATERIAL INSPECTION AND RECEIVING REPORT							Form Approved OMB No. 0704-0248	
The public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0248), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.								
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ADDRESS. SEND THIS FORM IN ACCORDANCE WITH THE INSTRUCTIONS CONTAINED IN THE DFARS, APPENDIX F-401.								
1. PROCUREMENT INSTRUMENT IDENTIFICATION (CONTRACT) NO.			ORDER NO.		6. INVOICE NO./DATE		7. PAGE OF	8. ACCEPTANCE POINT
2. SHIPMENT NO.		3. DATE SHIPPED	4. B/L  TCN			5. DISCOUNT TERMS		
9. PRIME CONTRACTOR CODE				10. ADMINISTERED BY CODE				
11. SHIPPED FROM (if other than 9) CODE				FOB:		12. PAYMENT WILL BE MADE BY CODE		
13. SHIPPED TO CODE				14. MARKED FOR CODE				
15. ITEM NO.	16. STOCK/PART NO.	DESCRIPTION <small>(Indicate number of shipping containers - type of container - container number.)</small>			17. QUANTITY SHIP/REC'D*	18. UNIT	19. UNIT PRICE	20. AMOUNT
21. CONTRACT QUALITY ASSURANCE <b>a. ORIGIN</b> <input type="checkbox"/> COA <input type="checkbox"/> ACCEPTANCE of listed items has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents.						<b>b. DESTINATION</b> <input type="checkbox"/> COA <input type="checkbox"/> ACCEPTANCE of listed items has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents.		
DATE _____ TYPED NAME: _____ TITLE: _____ MAILING ADDRESS: _____ COMMERCIAL TELEPHONE NUMBER: _____			DATE _____ TYPED NAME: _____ TITLE: _____ MAILING ADDRESS: _____ COMMERCIAL TELEPHONE NUMBER: _____			22. RECEIVER'S USE Quantities shown in column 17 were received in apparent good condition except as noted. DATE RECEIVED _____ TYPED NAME: _____ TITLE: _____ MAILING ADDRESS: _____ COMMERCIAL TELEPHONE NUMBER: _____ <small>* If quantity received by the Government is the same as quantity shipped, indicate by (X) mark; if different, enter actual quantity received below quantity shipped and encircle.</small>		
23. CONTRACTOR USE ONLY								

DD FORM 250, AUG 2000

PREVIOUS EDITION IS OBSOLETE.

Reset

Figure 9. DD Form 250 - Material Inspection and Receiving Report  
All FSCs

b. To assure that all receiving activities can properly identify items requiring special handling and storage, the vendor shall also annotate the packing list with the notation: "REQUIRES SPECIAL HANDLING AND/OR STORAGE" together with applicable storage statements, i.e., "STORE BETWEEN 2° - 8° C (36° - 46° F)", "KEEP FROZEN", "FLAMMABLE", etc.

c. For shipments of controlled, classified, and pilferable items, the packing list shall be placed **inside** container no. 1. The container shall be marked with the legend "PACKING LIST HERE" or any similar legend.

d. For OCONUS shipments moving through the DTS and when required in the contract/purchase order and/or SOW, the packing list shall also include linear bar codes. See para. V.E.8.a.(2) and figure 12 for sample packing list bar codes.

For DLA Distribution Transshipment of medical material, the required documentation/packing list shall also include Unit Price, TCN, NSN/Part Number/NDC, Nomenclature, DoDAAC, special handling requirement when applicable to material: Harmonized code/schedule B, Safety Data Sheet (SDS), Hazardous Material Shipper Declarations Sheet, Annotate the packing list with the notation: "REQUIRES SPECIAL HANDLING AND/OR STORAGE" together with applicable storage statements, i.e., "STORE BETWEEN 2° - 8° C (36° - 46° F)", "KEEP FROZEN", "FLAMMABLE", etc. The Controlled Item Identification Code if shipment contains classified, Sensitive, or Protective Items. For shipments of controlled, classified, and pilferable items, the packing list shall be placed inside container no. 1. The container shall be marked with the legend "PACKING LIST HERE" or any similar legend. Point of contact information for the destination customer in order to send a RESHIP. A list of all harmonized codes can be found through <https://hts.usitc.gov/>

7. Destination address label. The destination address label shall be supplied on the marked side of the exterior (shipping) container and shall not interfere with any required markings. If adequate space is not available on the marked side, the address label shall be placed on the opposite side. However, when the shipment requires unitization, the address label need only be supplied on one of the marked sides of the unitized load. See figures 5, 6 and 7 for placement of the destination address label.

a. Military shipping label. A completed military shipping label shall be supplied on each exterior (shipping) container and/or unitized load for all OCONUS shipments moving through the DTS, except as otherwise specified in the contract/purchase order and/or SOW. Complete technical requirements for the military shipping label are contained in MIL-STD-129, paras. 4.2 through 4.2.3, as applicable. See para. V.E.8.a.(3) for required data and figures 13 and 14 for sample military shipping label bar codes. See figure 9 for a sample military shipping label.

TCN				<b>SW81238350D001XXX</b>			
From <b>SW8123</b> In-the-clear Address 3 Lines Max, 35 Characters Per Line XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXXXXXXX		TAC / Type Service / Postage <b>F8WR</b> <b>Frt LTL</b>		Date Shipped <b>1090</b>		RDD <b>999</b>	
Piece <b>1</b> Of 1 	Weight (lb.) <b>7760</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 XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXXXXXXX					
POD <b>RMS</b>	MSL, Supply, & TCMD Data 						
FMS Case <b>CKM</b>							
DLA Data <b>ABD77ZR</b> Dest: <b>30D135</b> CD: Spur:							
<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 XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXXXXXXX					

Figure 10. Military shipping Label  
All FSCs

b. Commercial shipment label. For all CONUS/OCONUS shipments moving through commercial channels, and when permitted in the contract/purchase order and/or SOW, the contractor/vendor may supply a suitable commercial shipment label. See figure 11 for a sample commercial shipment label.



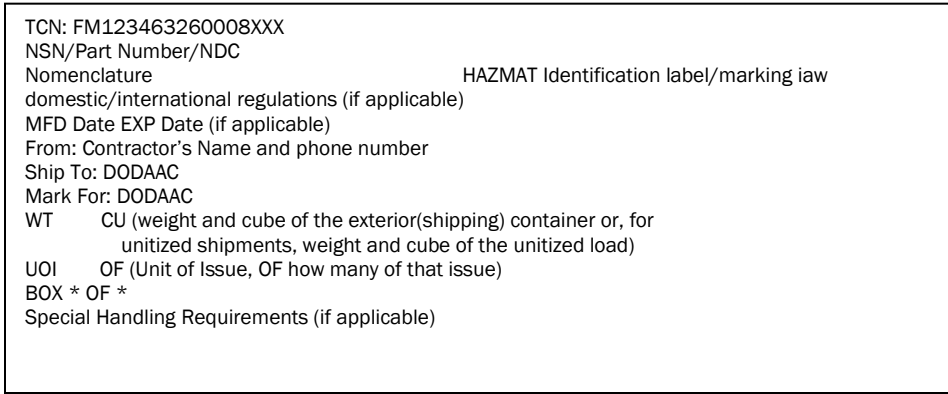


Figure 11. Commercial Shipment Label  
All FSCs

8. Bar codes.

a. Requirements.

(1) Intermediate package, exterior (shipping) container, and unitized load.

(a) Bar codes are required on the intermediate package, exterior (shipping) container, and unitized load, as specified in the contract/purchase order and/or SOW. On the intermediate package, bar code marking shall consist of the NSN and human readable interpretation and shall be located above the identification data, as illustrated in figure 4. On the exterior (shipping) container and unitized load, bar code markings shall consist of the NSN, PIID and CAGE code, together with respective human readable interpretations. Preferable location is to the right of the identification data, as shown in figures 5 and 7. Optional location is shown in figures 6 and 8.

(b) Bar codes shall be a minimum of 2.0 inches (50.8 mm) from the top and bottom edges and 1.0 inch (25.4 mm) from the side edges. A minimum distance (quiet zone) of 0.25 inch (6.35 mm) from the nearest identification/ contract data marking shall be maintained. Standard bar code density range for linear bar codes shall be from 3.0 to 9.4 characters per inch (CPI). Bar codes shall be in a horizontal configuration, and shall not include any spaces or dashes. The PIID shall include the 13 Character task/delivery order identifiers, when applicable. The human readable interpretation shall be an exact interpretation of the bar code data and shall not contain any spaces or dashes. The preferred location for the human readable interpretation is below the bar code; optionally, it may be above the bar code. Single bar code is shown in figure 12. Multiple bar codes shall be stacked as shown in figure 13.



Figure 12. Intermediate Package  
Linear Bar Code  
All FSCs

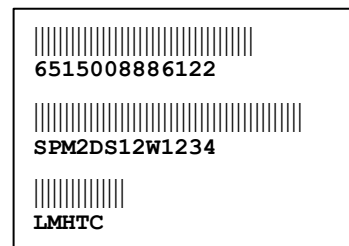


Figure 13. Exterior (Shipping) Container/Unitized Load  
Linear Bar Codes  
All FSCs

(2) Packing list. When required in the contract/order, linear bar codes shall be supplied on the packing list. Bar codes may be printed directly on the packing list, or as an alternate, they may be printed on a pressure-sensitive label which is securely affixed to the packing list. The following lines of bar-coded data, together with human readable interpretation, shall be provided on the packing list:

- 1st bar code: TCN (for example, FM123463260008XXX)
- 2nd bar code: NSN (or in absence of NSN, the CAGE and PN)
- 3rd bar code: SMS (ICP RIC), 2-position unit of issue, 5-position left zero-filled quantity, condition code (shown as "A" unless otherwise specified) 2-position left-zero-filled distribution code and 6-position left zero-filled unit price.

Sample packing list linear bar codes are shown in figure 14.

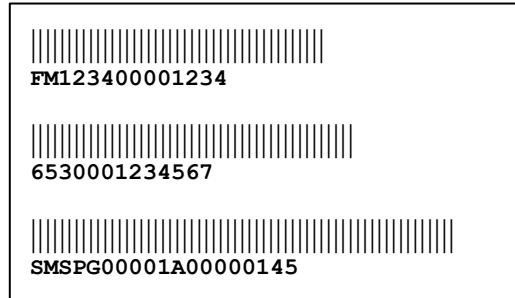


Figure 14. Packing List - Linear Bar Codes  
All FSCs

(3) Military shipping label. Bar codes shall be required on the military shipping label. Both linear and 2D bar codes shall be supplied, as specified in the contract/purchase order and/or SOW. See figure 9 for sample military shipping label and locations of required bar codes.

(a) Linear bar codes. Each linear bar code on the military shipping label shall be one-half inch high and shall be accompanied by the human readable interpretation. Linear bar codes shall include the following:

- 1st bar code: TCN (for example, FM1234000012348XXX)
- 2nd bar code: Piece number - **Do not left zero-fill.**
- 3rd bar code: DoDAAC for the ultimate consignee/mark for consignee

Sample military shipping label linear bar codes are shown in figure 15.



Figure 15. Military shipping Label - Linear Bar Codes  
All FSCs

(b) 2D bar codes. The 2D bar code elements shall include document number and suffix (in absence of document number, the contract/purchase order number), NSN (or in absence of NSN, the CAGE and PN), SMS, 2-position unit of issue, 5-position left zero-filled quantity, condition code (shown as "A" unless otherwise specified) 2-position left-zero-filled distribution code and 6-position left zero-filled unit price. See figure 16 for a sample 2D bar code.



Figure 16. Military shipping Label - 2D Bar Code  
All FSCs

9. Protected cargo.

a. Marking requirements. Protected cargo includes all items identified as controlled, classified, sensitive, or pilferable. All required markings shall be supplied on all shipments of protected cargo, except as specified in the contract/purchase order and/or the SOW, and as specified herein.

b. Non-hazardous protected cargo. For all shipments of all non-hazardous protected cargo, if there are no NSNs assigned to the part number, TCN/Part Number/NDC shall be used in lieu of the NSN on the exterior (shipping) container and unitized load. In addition, only the bar codes for the contract/purchase order number and CAGE code shall be shown; the bar code for the NSN shall be omitted. Signature service shall be used for all shipments of protected cargo. See figures 17 and 18 for sample non-hazardous protected cargo markings.

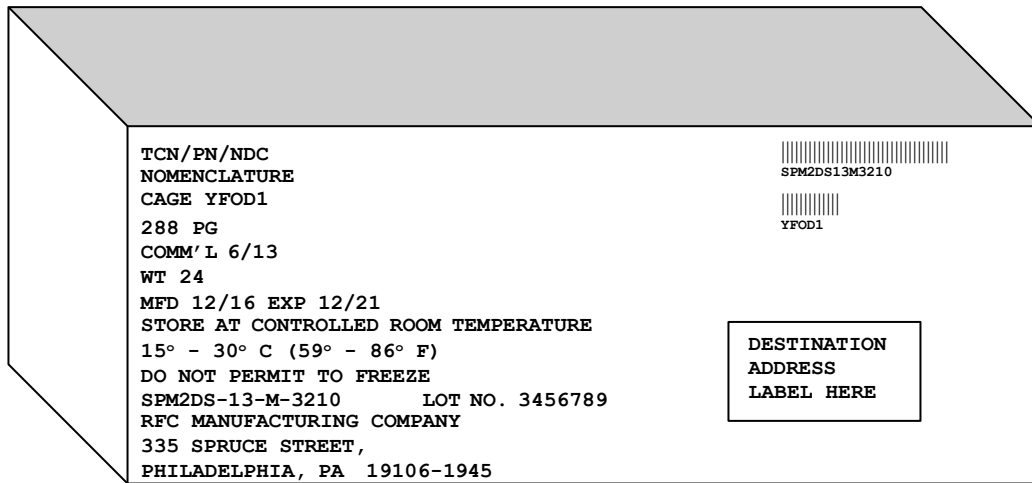


Figure 17. Exterior (Shipping) Container  
Non-hazardous Items ONLY  
Preferred bar code placement  
All FSCs

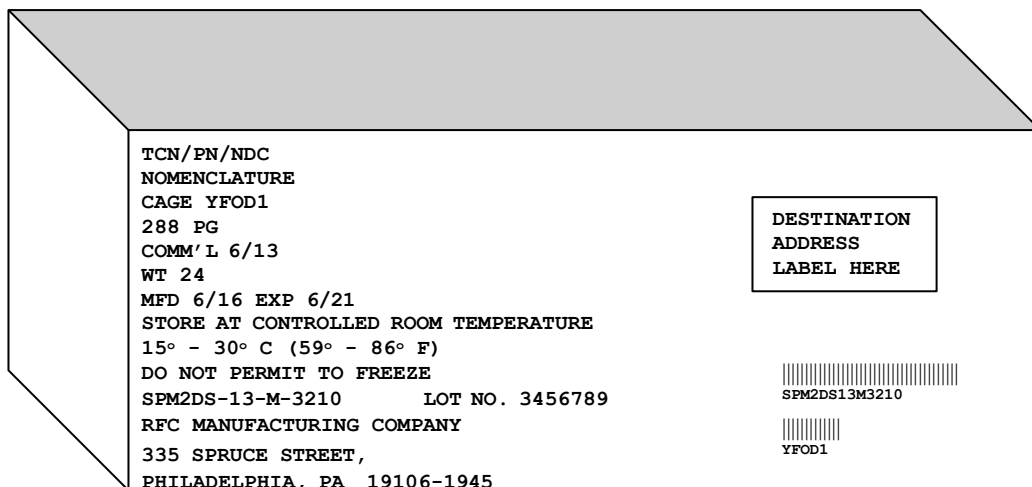


Figure 18. Exterior (Shipping) Container  
Non-hazardous Items ONLY  
Optional bar code placement  
All FSCs

c. Controlled substances.

(1) To assure that all Controlled Substances as defined by Federal, State, and Local regulations can be properly identified by the customer's receiving point the shipper shall annotate the following statement on its packing list for those orders which require Controlled Substances:

"CONTROLLED SUBSTANCE REQUIRES \_\_\_\_\_ \* \_\_\_\_\_ STORAGE."  
\*SHIPPER will enter the words "VAULT" or "LIMITED ACCESS."

In accordance with Federal regulations, these items are identified by a distinctive Controlled Substance Schedule Symbol. This symbol appears only on the immediate container or carton. "VAULT" is to be used for items bearing Symbol C-II; "LIMITED ACCESS" is to be used for items bearing Symbol C-III, C-IV or C-V.

(2) Use of the word "narcotics" on shipping containers or packing list is prohibited.

(3) All sensitive/controlled/pilferable items, regardless of whether the item is classified as Schedule II, III, IV or V, shall be shipped via traceable means. Signature service shall be used for all shipments of these items.

d. Hazardous protected cargo. For items classified as both protected cargo and hazardous material, i.e., ALCOHOL, USP, the NSN and Proper Shipping Name (PSN) shall be listed. In addition, material shall be marked as specified in para. V.E.13.

10. Medical clothing and textile items. Accountability is required for certain Medical clothing and textile items managed by the Medical Supply Chain, DLA Troop Support. These items include clothing (physician's smocks, operating gowns, etc.), sheets, blankets, bags, etc. When specified in the contract/purchase order and/or SOW, additional markings are required and shall be listed directly below all required identification data. The container number shall be consecutively numbered for each shipping point for the duration of the contract. See figure 19 for a sample of required markings.

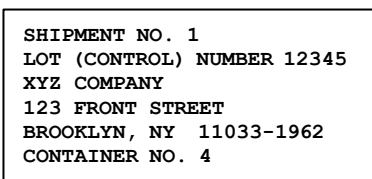


Figure 19. Medical Clothing and Textile Items  
All FSCs

11. Set (assembly) markings. When a set (assembly) is packed in two or more exterior (shipping) containers, all containers shall be shipped together. Each container shall be marked with its own number within the set, the total number of containers making up the set, and the number of the set within each shipment. Set (assembly) markings shall be placed in the lower right corner of the identification-marked side of the container. A two-inch black disc shall be placed above the numbers on each container. For surfaces on which black is not legible, marking shall be white or yellow and a white or yellow disc shall be applied. See figure 20 for sample set (assembly) markings.

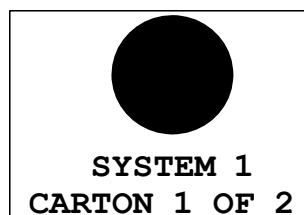


Figure 20. Set (assembly) markings  
All FSCs

12. Deployable medical systems (DEPMEDS) markings. DEPMEDS items shall be marked as specified herein and in the applicable contract/purchase order and/or SOW. In addition, identification data markings on exterior (shipping) containers containing DEPMEDS items shall be listed in the order shown in figure 21.

<p>NSN Contractor's CAGE code Contractor's PN, when applicable Complete Item Identification Quantity and Unit of Issue Gross Weight Serial Number Contract Number Contractor's Complete Name and Address</p> <p><sup>1/</sup> Manufacturer's Name Type or Model Number Electrical Characteristics Date of Manufacture prefixed by "MFD"</p> <p><sup>2/</sup> Index No. _____</p>
<p><sup>1/</sup> The manufacturer's name is required only when the item is manufactured by someone</p> <p><sup>2/</sup> The line following "Index No." shall be</p>

Figure 21. Identification Markings  
DEPMEDS Items  
All FSCs

13. Hazardous material (HAZMAT).

a. General information. HAZMAT includes any material defined as hazardous under 49 CFR 171.8 and the latest version of FED-STD-313.

(1) Per 49 CFR 171.8, a hazardous material means a substance or material, including a hazardous substance, which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce, and which has been so designated.

(2) Compliance with all applicable regulatory requirements is mandatory. These requirements application requirements is mandatory.

b. Safety Data Sheets (SDS).

(1) Safety Data Sheets (SDSs) shall meet the requirements of 29 CFR 1910-1200 (g) and FED-STD-313. The shipper shall obtain and maintain a file of all required SDS's and Hazard Warning Labels (HWLs) from suppliers, upon receipt of applicable items. The shipper shall furnish the customer with all applicable SDS's with each shipment of hazardous material. The shipper shall also assure that all hazardous material is labeled correctly.

(2) A copy of each SDS, annotated with the item name and either the National Stock Number (if available) or the commercial part number, shall be provided to DLA Troop Support, ATTN: FSSB (Packaging); upon request, SDS's will also be provided to the DLA Troop Support Contracting Officer.

(3) If at any time during the contract there is a change in the composition of any item or a revision to FED-STD-313, which renders incomplete or inaccurate the data previously submitted, the shipper shall promptly notify the Contracting Officer. The Contracting Officer may, at his/her option, require the shipper to resubmit the revised SDS to each ordering facility as well as to DLA Troop Support, ATTN: FSSB (Packaging).

(4) Nothing contained in the contract/purchase order and/or SOW, station of work, and/or this document shall relieve the shipper from complying with applicable Federal, State, and local laws, codes, ordinances and regulations (including the obtaining of licenses and permits) in connection with hazardous materials. Neither the requirements of the contract/purchase order, SOW, and/or this document, nor any act or failure to act by the Government, shall relieve the shipper of any responsibility or liability for the safety of Government, shipper, or subcontractor personnel or property.

c. Regulatory requirements. Packaging, labeling and marking of hazardous items shall comply with applicable domestic and international transportation regulations, i.e., FED-STD-313, Title 49 Code of Federal Regulation (49 CFR), International Civil Aviation Organization (ICAO) Technical Instructions (excluding para. 1.4 of Chapters 1 and 3), or International Maritime Dangerous Goods Code (IMDG) and International Air Transportation Association (IATA). Marking of hazardous material destined for shipment through a military aerial port via military aircraft shall comply with Preparing Hazardous Materials For Military Air Shipments (AFMAN 24-204(I)/TM 38- 250/ NAVSUPPUB 505/MCO 4030.19/DLAI 4145.3).

d. Labeling and marking. In addition, labeling and marking shall be in accordance with one of the following, as applicable:

Federal Insecticide, Fungicide, and Rodenticide Act  
Federal Food, Drug, and Cosmetics Act  
Consumer Product Safety Act  
Federal Hazardous Substances Act  
Federal Alcohol Administration Act  
OR, if the material is not subject to one of the above acts,  
Hazard Communication Standard 29 CFR 1910-1200 et seq.

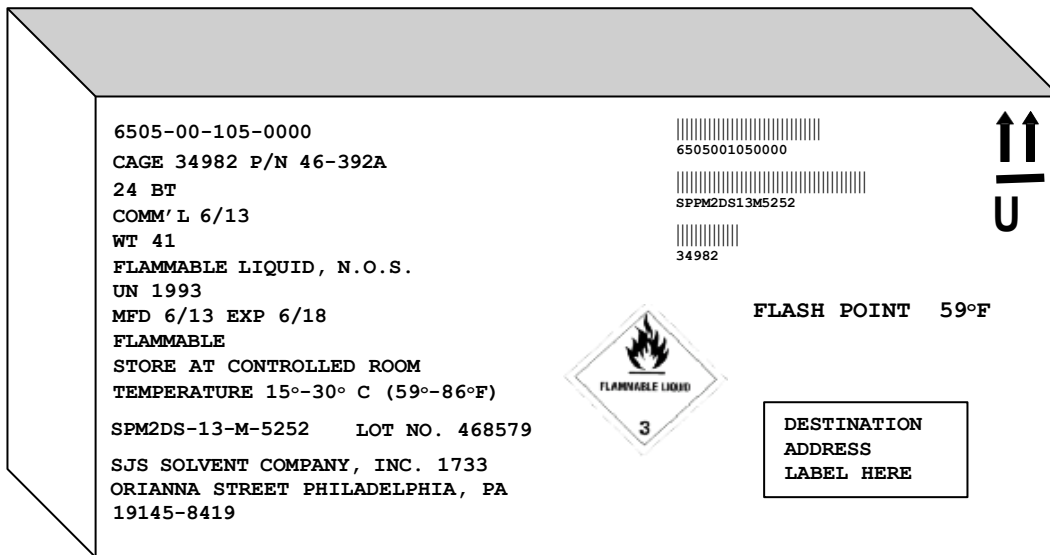
e. Interior containers. All interior containers shall be labeled and marked as specified in the contract/purchase order and/or SOW, and as specified herein.

f. Exterior (shipping) containers. Exterior (shipping) containers identified for international transportation shall be marked, labeled, and documented to meet UN requirements in accordance with the appropriate modal regulation. Unless otherwise specified, UN-recommended certification markings for HAZMAT shall be placed on the side of the exterior (shipping) container opposite the side containing the identification, contract data and bar code markings. See figure 22 for sample HAZMAT markings.

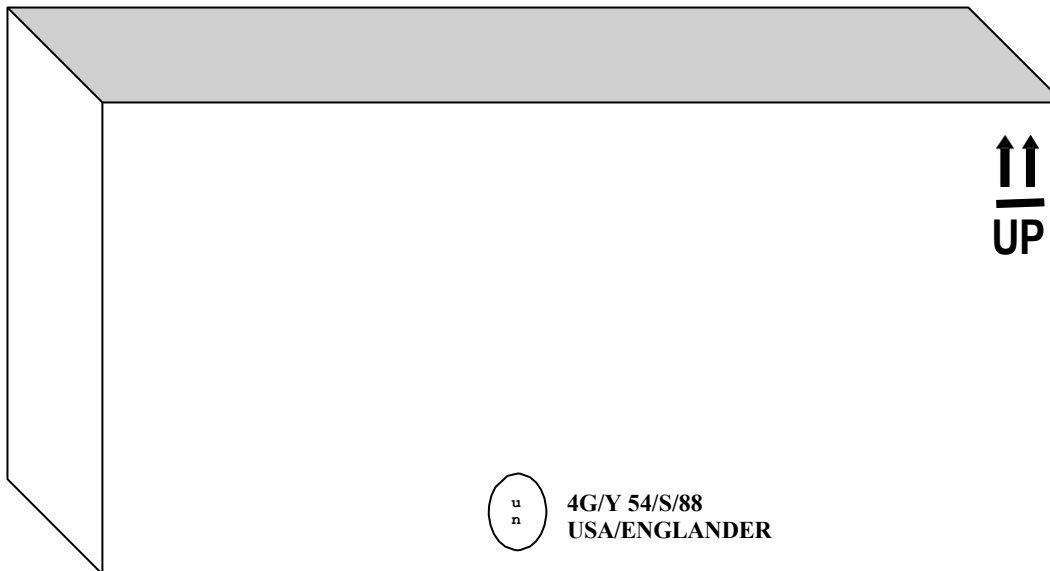
g. Hazardous protected cargo. Exterior (shipping) containers containing material classified as both hazardous and protected shall be marked as specified for hazardous material. In addition, the NSN and Proper Shipping Name shall be shown in all markings (see para. III.E.8.). Signature service shall be used for all shipments of material classified as protected cargo.

h. Kits containing hazardous components. Kits containing hazardous components in small quantities (i.e., adhesives, inks, solvents, and other flammable liquids) shall be marked and labeled in accordance with the requirements as specified herein. The UN packaging certification markings are required only when the quantity of HAZMAT in the individual kit or exterior (shipping) container containing 2 or more kits exceeds the quantity designed as exempted in the applicable modal regulation(s).

i. Package configuration certification. The supplier's signed certification that the package configuration meets Title 49 CFR, and either ICAO or IMDG requirements, as applicable, shall be included on the packing list (DD Form 250 may be used) accompanying each shipment.



FRONT



REVERSE

Figure 22. Exterior (Shipping) Container  
 Hazardous Items  
 All FSCs

j. Shipper's Declaration for Dangerous Goods. In addition to all requirements as specified herein, each shipment via commercial or military air shall be accompanied by a properly completed standard commercial "Shipper's Declaration for Dangerous Goods", which is available for purchase from commercial vendors specializing in HAZMAT transportation supplies. The form shall meet the format, size and color specifications outlined in IATA Dangerous Goods Regulation, Section 8-documentation, and shall be prepared in accordance with each modal requirement for each segment of the shipment. A minimum of 3 completed original forms shall be supplied with each shipment. Each completed original form shall have vertical red borders and shall be signed by the certifying official. See figure 23 for a copy of the form.

**SHIPPER'S DECLARATION FOR DANGEROUS GOODS**

Shipper   	Air Waybill No. Page 1 of 1 Shipper's Reference Number <i>(optional)</i>																
Consignee   																	
Two completed and signed copies of this Declaration must be handed to the operator																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><b>TRANSPORT DETAILS</b></td> </tr> <tr> <td style="width: 50%;">                     This shipment is within the limitations prescribed  <i>(delete non-applicable)</i> </td> <td style="width: 50%; text-align: center;">                     Airport of Departure                 </td> </tr> <tr> <td> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">                             PASSENGER AND CARGO AIRCRAFT                         </td> <td style="width: 50%; text-align: center;"> <del>XXXXXXXXXX</del>  <del>XXXXXXXXXX</del>  <del>XXXXXXXXXX</del> </td> </tr> </table> </td> <td></td> </tr> <tr> <td colspan="2">                     Airport of Destination:                 </td> </tr> </table>		<b>TRANSPORT DETAILS</b>		This shipment is within the limitations prescribed <i>(delete non-applicable)</i>	Airport of Departure	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">                             PASSENGER AND CARGO AIRCRAFT                         </td> <td style="width: 50%; text-align: center;"> <del>XXXXXXXXXX</del>  <del>XXXXXXXXXX</del>  <del>XXXXXXXXXX</del> </td> </tr> </table>	PASSENGER AND CARGO AIRCRAFT	<del>XXXXXXXXXX</del> <del>XXXXXXXXXX</del> <del>XXXXXXXXXX</del>		Airport of Destination:							
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Additional Handling Information  <div style="text-align: center; color: red; font-weight: bold;">24 Hr. Emergency Contact Tel. No.</div>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; vertical-align: top;">                     I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.                 </td> <td style="width: 40%; vertical-align: top;">                     Name/Title of Signatory                       Place and Date                       Signature  <i>(see warning above)</i> </td> </tr> </table>		I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.	Name/Title of Signatory  Place and Date  Signature <i>(see warning above)</i>														
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Figure 23. Shipper's Declaration for Dangerous Goods  
 Hazardous Items  
 All FSCs

14. Other required markings. Other required markings shall be as specified in the contract/purchase order and/or SOW. They shall be supplied in a conspicuous location on the



identification-marked side of the container. If sufficient space is not available on the identification-marked side, they may be supplied on the opposite size, unless otherwise specified in the contract/purchase order. However, they shall not be supplied on the bottom of the container. Other required markings may include, but are not limited to, the following:

a. Shelf life markings. When applicable, shelf-life markings shall be supplied as specified in the contract/purchase order and/or SOW. Shelf-life markings may include the expiration date, date of manufacture, and/or inspection/test date. There are two types of shelf-life items:

(1) Type I. Type I items have a definite non-extendable period of shelf life. Medical Type I items shall be marked with the expiration date and the date of manufacture. For Type I shelf-life items with an expiration date, the expiration date shall be shown.

(2) Type II. Type II items have an assigned shelf life time period that may be extended after completion of inspection, test, or restorative action. For Type II shelf-life items with an expiration date, the expiration date shall be shown. For Type II shelf-life items without an expiration date, the date of manufacture shall be shown. The inspection/test date shall be shown in addition to either the date of manufacture or expiration date. The inspection/test date shall be shown on the unit, intermediate package (if supplied), exterior (shipping) container and unitized load.

(3) Specific shelf life markings. Specific shelf life markings are as follows:

(a) Expiration date. For Type I items, the expiration date is the date by which an item should be discarded as being no longer suitable for issue or use. For Type II items, the expiration date is the date when an item should be inspected or tested to determine the inspection/test date.

(b) Date of manufacture. The date of manufacture is the date the item was produced, fabricated, processed, or formed for use. Items requiring a date of manufacture may be either Type I or Type II.

(c) Inspection/test date. The inspection/test date is the date by which Type II items should be subjected to inspection, test, or restoration. The inspection/test date shall be left blank for Type II drugs, pharmaceuticals, and biologicals. For all other Type II items, the inspection/test date shall be supplied.

(4) See figure 24 for examples of shelf-life markings.

<u>EXPIRATION</u>	<u>INSPECTION/TEST</u>
EXP	DRUGS/PHARMACEUTICALS/BIOLOGICALS
	EXP DATE 10/16
	INSP/TEST DATE _____
<u>DATE OF</u>	ALL OTHER MEDICAL
MFD	MFD DATE 6/13
	INSP/TEST DATE

Figure 24. Shelf-Life Markings  
All FSCs

(5) Shelf life codes. The following table, which contains a listing of shelf-life codes and the applicable shelf life time periods, is provided for information:

<u>TABLE III</u>		
<u>SHELF-LIFE CODES</u>		
<u>Shelf-Life Period</u>	<u>Type I</u>	<u>Type II</u>
Non-Deteriorative - No Shelf-Life Applies	0 (numeric)	0 (numeric)
1 Month	A	N/A
2 Months	B	N/A
3 Months	C	1
4 Months	D	N/A
5 Months	E	N/A
6 Months	F	2
9 Months	G	3
12 Months	H	4
15 Months	J	N/A
18 Months	K	5
21 Months	L	N/A
24 Months	M	6
27 Months	N	N/A
30 Months	P	N/A
36 Months	Q	7
48 Months	R	8
60 Months	S	9
72 Months	I	N/A
84 Months	T	N/A
96 Months	U	N/A
Variable	V	N/A
120 Months	W	N/A
180 Months	Y	N/A
240 Months	Z	N/A
Shelf-Life Period Greater than 60 Months for Type II Extendible Items	N/A	X

b. Material requiring special handling marking and/or storage legends.

(1) In addition to applicable commercial markings, and all markings as specified in the contract/purchase order and/or SOW, special handling and/or storage legends shall be supplied on the unit, intermediate package, exterior (shipping) container and unitized load, as applicable, and may consist of printed legends and/or pictorial markings. Placement shall not interfere with or obscure any other markings.

(2) As an example, storage legends may include the following or similar alternates: "STORE AT CONTROLLED ROOM TEMPERATURE 59° - 86° F (15° - 30° C)", "STORE BETWEEN 2° - 8° C (36° - 46° F)", "KEEP FROZEN", "FLAMMABLE", etc. In addition, shipping containers shall be marked

with applicable special handling and storage statements, in accordance with commercial practice. This is in addition to labeling and marking as specified herein.

(3) Marking legends may also include "TOP", "UP", "THIS SIDE UP", "GLASS", "PERISHABLE", "KEEP FROZEN", etc. When necessary, arrows shall be used with the legends "TOP" or "UP".

(4) Examples of acceptable pictorial markings may be found in ASTM D 5445.

c. Warranty markings. Warranty markings are not required for medical material unless a contract/purchase order and/or SOW/delivery order specifically states that all containers are to be marked with a warranty legend. The warranty markings shall be applied by labeling, tagging, or printing and shall be prefaced by "WARRANTED ITEM". All information shall be in upper case letters of the same style font and shall be located adjacent to or above the contract data markings. See figure 25 for sample warranty markings.

<u>WARRANTED ITEM</u>	<u>WARRANTED ITEM</u>	<u>WARRANTED ITEM</u>
WARRANTY EXPIRES AFTER 1000 HOURS OF OPERATION	WARRANTY EXPIRES 1 JANUARY 2016	WARRANTY GOOD FOR 180 DAYS FROM DATE ITEM IS PUT INTO USE

Figure 25. Warranty Markings  
All FSCs

d. Flash point. For items having a flash point of not more than 141 degrees Fahrenheit (F) or 60.5 degrees Celsius (C), each intermediate package and exterior (shipping) container shall be marked with the flash point. The flash point shall be preceded by the words "FLASH POINT" and may be shown in degrees F or C, or both. The flash point shall be determined by using testing methods prescribed in Title 49 CFR. See figure 26.

**FLASH POINT 80° F**

Figure 26. Flash Point Marking  
All FSCs

e. Cytotoxic (antineoplastic) drug markings. Cytotoxic (antineoplastic) drugs shall be marked and labeled as specified in applicable transportation regulations and in the contract/purchase order and/ or SOW/delivery order. In addition, each intermediate package and exterior (shipping) container containing cytotoxic (antineoplastic) drugs shall be marked with a diamond-shaped figure with the word "CYTOTOXIC" printed inside the figure in black letters on a white background. See figure 27.



Figure 27. Cytotoxic Marking  
FSC 6505

f. Transportation Special Handling/Protective Services. Certain shipments of non-hazardous medical material may require special handling/protective services when being transported by military-controlled aircraft. When applicable, a properly completed DD Form 1387-2, NOV 2004 (Special Handling Data/Certification) label shall be affixed to the exterior (shipping) container. The vendor/contractor shall complete the form by entering all applicable information, and shall firmly affix the completed form adjacent to the Military Shipping Label. The signature block shall be completed by

the person preparing the shipment. Blank copies of this form (illustrated in figure 28) may be obtained by contacting DLA Troop Support, FSSB (Packaging) via email at [fssb@dla.mil](mailto:fssb@dla.mil).

**SPECIAL HANDLING DATA/CERTIFICATION**

1. ITEM NOMENCLATURE	2. NET QUANTITY PER PACKAGE	3. TRANSPORTATION CONTROL NO.
	4. CONSIGNMENT GROSS WEIGHT	5. DESTINATION
6. SUPPLEMENTAL INFORMATION		
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and in proper condition for transportation according to the applicable regulations of the Dept of Transportation. <b>THIS IS A U.S. DEPARTMENT OF DEFENSE SHIPMENT!</b> (Complete applicable blocks below)		
7. DTR REFERENCE		
8. HANDLING INSTRUCTIONS		
9. ADDRESS OF SHIPPER		10. TYPED NAME, SIGNATURE AND DATE

DD FORM 1387-2, NOV 2004

PREVIOUS EDITION IS OBSOLETE.

Form Approved/OMB No. 0704-0188

Figure 28. DD Form 1387-2  
Special Handling Data/Certification  
All FSCs

g. Perishable medical material.

(a). Packaging, packing, labeling, and marking of perishable medical materiel shall be in accordance with all applicable regulatory requirements and commercial practice, and as specified herein.

(b). Perishable medical materiel requiring chill or freeze temperatures shall be properly packaged and packed to ensure that the required temperature shall be maintained during shipment. Required packaging shall be determined by the type of materiel being shipped, the climatic conditions under which the shipment will be made, and the destination's ambient temperature. Prior to preparing perishable medical materiel for shipment, contact the DLA Troop Support Contracting Officer for guidance. DLA Troop Support will conduct a site survey and provide cold chain management training prior to the start of shipping live perishable material.

(c). Pharmaceuticals, Vaccines, and In-Vitro Diagnostic Substances, Reagents, Test Kits and Sets requiring constant refrigeration. Pharmaceuticals, Vaccines, and In-Vitro Diagnostic Substances, Reagents, Test Kits and Sets requiring constant refrigeration shall be prepared for shipment in accordance with stringent cold chain management protocols as specified in paragraph V.E.14.g.(e). These protocols, which have been developed for several weather conditions, as specified herein, are subject to change.

(1) Weather protocols shall be followed when packaging Medical items requiring application of stringent refrigerated cold chain management protocols. Protocols are subject to change. The most up to date protocols are available at: Medical Supply Chain Homepage: click on "I Agree"; select "Pharmaceuticals"; select "Cold Chain Packaging" in the menu on the left side of the page; select "View Packaging Protocols" in the first paragraph. There are three separate weather protocols: warm weather, moderate weather, or cold weather. The specific weather protocol to be used shall be determined by the destination's current ambient temperature. Since these weather protocols will change during the term of the contract, suppliers shall be required to check this website when the season changes to obtain updates to these weather protocols. For assistance in determining which weather protocol should be used, please contact DLA Troop Support via e-mail at DSCPcoldchain@dla.mil.

(2) Acceptable insulated shipping containers for use with these protocols are listed in

TABLE IV. Note that the term "CARGO SPACE" is listed in lieu of the term "CAVITY" in TABLE IV; this corresponds with the dimensions specified in the protocols. These protocols also require the contractor to use refrigerant packs (gel packs) and the temperature monitor as listed in TABLE V. For each shipment requiring the use of a temperature monitor, the contractor shall also include a Temperature Monitor Return Package (TMRP) with the shipment. DLA Troop Support will provide the contractor with the TMRPs. Each TMRP includes customer instructions for return the Temperature Monitors to DLA Troop Support, a prepaid/preaddressed shipping air bill, and a shipping pouch. Suggested sources for the containers, refrigerant packs, and temperature monitors are listed at the Medical Supply Chain Homepage. Additional information, to include specific requirements applicable to all shipments of MMR, Oral Typhoid, and Botox are in NOTE 1 below:

TABLE IV - INSULATED SHIPPING CONTAINERS) 1/

PRODUCT NO.	DIMENSIONS (Length x Width x Height)		APPROXIMATE WEIGHT (FULLY LOADED)
	CARGO SPACE	OUTER CONTAINER	
Extra Large	18" x 14 1/2" x 12"	24" x 24" x 24"	145 lbs
Large	16-1/2" x 12" x 7"	22-1/2" x 19" x 17-1/2"	75 lbs
Medium	12" x 6-1/2" x 6-1/2"	18" x 12" x 18"	40 lbs
Small	10-3/4" x 6-12" x 4"	15-1/2" x 12" x 14"	20 lbs

1/ These containers are designed for use for "ANY TEMPERATURE-SENSITIVE PRODUCT" and must be used in accordance with the Packaging Protocols as identified above. These containers should maintain the required temperature as indicated in the applicable protocol for at least 72 hours during shipment.

TABLE V - ADDITIONAL SUPPLIES 2/

Refrigerant Packs		
SIZE	WEIGHT	DIMENSIONS
Small	24 oz	8" x 6" x 1-1/4"
Medium	48 oz	10-1/4" x 8" x 1-1/2"
Temperature Monitors		
TempTale®4 (TT4)		

2/ Pre-cool (condition) applicable containers, gel packs, and temperature monitors to 4° C for at least 24 hours prior to packaging and closing. Frozen gel packs, when applicable, must be conditioned at -17° C to -20C for at least 24 hours prior to packaging and closing. Packaging will be done in refrigeration and removed prior to closing.

NOTE 1: APPLICABLE TO MMR, ORAL TYPHOID, and BOTOX.

The suppliers shall pack containers utilizing the Hybrid Packaging Protocols and utilize yellow- labeled TT4s (Catalog # T4400-02-360); all frozen gel packs (conditioned for at least 24hrs at -20 degrees C), cargo space requirements, fiberboard barrier, and foam plug, as

specified in the existing Cold Chain protocols, shall still be used. All of the in-transit instructions, and customer receiving procedures shall remain unchanged. All startup delays and procedures shall be the same.

DD Form 3035-2 yellow label shall still be completed with the following information:  
Packager's name Date of packing  
The requirement for the 5-day-out-refrigeration date shall be filled in.

The Hybrid TT4 instruction sheet and FedEx materials shall also be included.

(3) Suppliers shall affix the Appropriate DD Form 3035 Cold Chain Shipping Label to the upper right-hand corner of the container's lid on each insulated container. The label shall be accurately completed in its entirety; for example, Instruction 1) - "Refrigerate Container in-transit If After This Date", must be completed as follows: If the shipment was packaged on March 1, the "Refrigerate Container in-transit If After This Date" will be March 6. For supplies of this label, contact DLA Troop Support via e-mail at DSCPcoldchain@dla.mil.

(4) DD Forms 1502/1502-1/1502-2 and 1502N/1502-1N/1502-2N shall not be used for shipments of Temperature Sensitive materiel packaged in accordance with stringent cold chain management protocols.

(d). Orders for Temperature Sensitive Products. Temperature Sensitive products shall always be ordered under a separate call number. Additionally, orders for MMR, Oral Typhoid, and Botox should also be placed on separate call numbers due to their modified packaging requirements. For orders that contain Temperature Sensitive products, depending on the destination, suppliers shall ship on Mondays and/or Fridays only (NOTE: Thursdays for Guam) to ensure that shipments of Temperature Sensitive products do not arrive on a weekend or are not delayed while in transit. NOTE: The contractor shall not ship over a holiday.

(e). Complete packaging protocols for use with Refrigerated items are available at: Medical Supply Chain Homepage

(f). CONUS Temperature Sensitive Shipments. For the shipment of pharmaceuticals, vaccines, and In-Vitro diagnostic substances, reagents, test kits and sets requiring constant refrigeration or freezing temperatures within the Continental United States (to include Hawaii) the suppliers shall use one of the following acceptable commercial-off-the-shelf insulated shipping containers, together with the accompanying validated packaging protocols:

AcuTemp:

Large - Part# 710009-03-48

Medium - Part# 710009-02-48

Small - Part# 710009-01-48

Minnesota Thermal Science:

Large - Credo Series 4-2896 (Part# CR28A42896)

Medium - Credo Series 4-1296 (Part# CR12A41296)

Small - Credo Series 4-496 (Part# CR04A4496)

The acceptable shipping containers are reusable. Suppliers shall coordinate with each ordering facility regarding the return of all shipping containers to the suppliers. Suppliers shall coordinate with the applicable container vendor regarding the requirements necessary for reuse of the shipping container.

For each shipment, suppliers shall also include one of the following temperature monitoring devices as well as a Temperature Device Instruction Sheet (TDIS) with the shipment. DLA Troop Support will provide the suppliers with the TDISs. Each TDIS includes customer instructions for utilizing the temperature monitoring devices:

TempTime:

TransTracker CF - Part# TBD

ShockWatch:

Cold Chain Complete - Part# TBD

If suppliers already have qualified packaging solutions that are validated for 2-8C and -15C to -25C for a minimum of 48hrs, and an industry acceptable temperature monitoring device already in use, they may submit proof of that packaging validation and device details to DLA for approval.

DD Forms 1502/1502-1/1502-2 and 1502N/1502-1N/1502-2N shall not be used for shipments of Temperature Sensitive materiel packaged in accordance with stringent cold chain management protocols.

Orders for Temperature Sensitive Products. Temperature Sensitive products shall always be ordered under a separate call number.

(g). Pharmaceuticals, Vaccines, and In-Vitro Diagnostic Substances, Reagents, Test Kits and Sets requiring freezing temperatures. Pharmaceuticals, Vaccines, and In-Vitro Diagnostic Substances, Reagents, Test Kits, and Sets requiring a constant freezing state (-15C to -25C) shall be prepared for shipment in accordance with stringent cold chain management protocols. These protocols, which have been developed for all weather conditions, as specified herein, are subject to change. Perishable Medical items requiring constant freeze temperatures (-15C to -25C) shall be packaged and marked as follows:

(1) Medical items which are identified as freezer products shall be stored and shipped in a constant frozen state. Packaging protocols shall be followed when packaging Medical items requiring application of stringent frozen cold chain management (-15C to -25C). Protocols are subject to change. The most up-to-date protocols are available at Medical Supply Chain Homepage. Protocols are a universal pack out. Diluents and component parts of freezer products shall be packed in separate containers normally used for non-freezer products. Set assembly markings shall be used in these cases. For assistance with protocols, please contact DLA Troop Support via e-mail at DSCPcoldchain@dla.mil

(2) Acceptable insulated shipping containers for use with these protocols are listed in TABLE I above. These protocols also require the contractor to use only frozen Phase Change/ water-based hybrid coolant material (bricks) and the temperature monitor as listed in TABLE IV. For each shipment requiring the use of a temperature monitor, the contractor shall also include a Temperature Monitor Return Package (TMRP) with the shipment. DLA Troop Support will provide the contractor with the TMRPs. Coolant material shall be preconditioned in a -30° C freezer for at least 24hrs before packaging. Suggested sources for the containers, coolant bricks, and temperature monitors are listed at the Medical Supply Chain Homepage.

TABLE VI - ADDITIONAL SUPPLIES 2/

PCM/Gel Hybrid Bricks		
SIZE	WEIGHT	DIMENSIONS
420	24 oz	7.5" x 6.1" x 1"
Temperature Monitors		
TempTale®4 (TT4)		

2/ Pre-cool (condition) bricks to -30° C and temperature monitors to -20C for at least 24 hours prior to packaging and closing. Containers will be preconditioned at room temperature and packaging and closing will be done at room temperature. Frozen bricks will be benched at room temperature for 30 minutes prior to packaging and closing.

(3) Suppliers shall affix the appropriate DD Form 3035 Cold Chain Shipping Label to the upper right-hand corner of the container's lid on each insulated container. The label shall be accurately completed in its entirety; for example, Instruction 1) - "Freeze Container in-transit If After This Date", must be completed as follows: If the shipment was packaged on March 1, the "Freeze Container in-transit If After This Date" will be March 6. For supplies of this label, contact DLA Troop Support via e-mail at [DSCPColdchain@dla.mil](mailto:DSCPColdchain@dla.mil).

(4) DD Forms 1502/1502-1/1502-2 and 1502N/1502-1N/1502-2N shall not be used for shipments of Temperature Sensitive materiel packaged in accordance with stringent cold chain management protocols.

F. Kitting requirements.

1. General. Contractor/vendor-originated shipments of medical material in support of the kitting mission shall require minimum markings, as specified herein and in the contract/purchase order and/or SOW.

2. Unit. Each unit shall be marked in accordance with all applicable regulatory requirements. Markings shall include the applicable shelf-life markings. Shelf-life markings shall include the lot (control) number and the date of manufacture prefixed by "MFD", expiration date prefixed by "EXP", inspection/test date shown as "INSP/TEST DATE 6/2016", as applicable.

3. Exterior (shipping) container. As a minimum, markings on each exterior (shipping) container shall include the following, as applicable:

- NSN
- SUPPLIER'S CAGE AND PART NUMBER
- SUPPLIER'S NAME AND ADDRESS
- ITEM DESCRIPTION/NOMENCLATURE
- QUANTITY AND UNIT OF ISSUE (EX. "1 PG")
- SHELF LIFE REQUIREMENTS
- CONTRACT NUMBER INCLUDING CALL NUMBER
- TRANSPORTATION CONTROL NUMBER (TCN)
- BUILD DIRECTIVE NUMBER (BDN)
- SHIP TO/MARK FOR ADDRESS

G. UPN.

1. The Government requires all medical/surgical items to have a Universal Product Number (UPN) assigned by the original manufacturer or private labeler. The UPN can meet one of three acceptable commercial industry standards. Medical product manufacturers can select either the Health Industry Business Communication Council's (HIBCC) LIC standard, the Uniform Code Council's (UCC) SSC-14 format, or the Food and Drug Administration's National Drug Code (NDC). The bar-coded UPN shall be included on all labels, as applicable.

2. The UPN is a machine-readable bar code and is the single ordering number for a non-pharmaceutical healthcare product being supplied through the Medical Prime Vendor Program. Each UPN, which consists of the manufacturer's identifier and product identification number, is unique to a manufacturer's specific product, and cannot be duplicated. At the manufacturer's option, each UPN may conform to either the Uniform Code Council (UCC) or Health Industry Business Communication Council (HIBCC) primary data structure.

3. The UPN requirement is not applicable to non-prime vendor shipments of medical material to military supply depots and to medical treatment facilities. However, containers marked with the UPN are acceptable, provided all required markings as specified herein and in the contract/purchase order and/or SOW, including the NSN, are supplied.

**VI. REDIRECTION/DIVERSION REQUIREMENTS FOR OCONUS SHIPMENTS**



A. General.

1. This section is applicable to OCONUS shipments which are being redirected/diverted through the Defense Transportation System. It does not apply to routine shipments made from the supplier directly to the OCONUS customer, unless otherwise specified. These marking requirements are included in this document for information purposes only. In the event of a conflict between the text of this document and the requirements specified in the applicable contract/purchase order and/or SOW, the requirements as specified in the contract/purchase order and/or SOW shall take precedence.

2. It may become necessary to route OCONUS shipment(s) through the Defense Transportation System (DTS). When this happens, properly packaged material shall be marked in accordance with the redirection/diversion requirements as specified in the contract/purchase order.

B. Labeling and marking.

1. General information. For all OCONUS shipments redirected/diverted to/through Defense Distribution Depots, Aerial Ports of Embarkation, Prepositioned Ship Operations sites, or the Norfolk, VA Container Freight Station, packages of medical material shall be marked and labeled in accordance with the contract/purchase order and/or SOW and as specified herein for Military items.

2. Special handling. Labeling and marking for items requiring special handling, i.e., hazardous, perishable, and sensitive/controlled/pilferable materiel shall be in accordance with applicable regulations and as specified herein.

3. Documentation. The shipper shall provide all necessary documentation to speed the processing of materiel through the customs process.

4. Packing list.

a. Requirements. A packing list shall be supplied with each shipment of medical material. Either a suitable commercial packing list or DD Form 250 may be used. At least one copy shall be placed inside each exterior (shipping) container. One copy shall be sealed in a suitable water-resistant envelope and shall be affixed to the outside of container no. 1. Exterior packing lists are required on all contractor/ vendor-originated shipments of medical material, except for most shipments of protected cargo. It shall contain the TCN, the name of the shipper, the contract/purchase order number, date of order, itemized list of shipped items by product number/NSN/NDC, nomenclature, quantity ordered, quantity shipped, delivered unit price, the total delivered cost for the order, DoDAAC, the harmonized code, SDSs, and any special handling instructions. The product number used in both the order and confirmation must be duplicated on the packing list. The packing list must be in identical sequence to the delivery order placed by the ordering facility. The delivered unit price will reflect two decimal places (the third decimal place will be rounded down for "4" and below, and will be rounded up for "5" and above). DD Form 250 or a commercial equivalent may be used as the packing list. See figure 9 for an example of the DD Form 250. A list of all harmonized codes can be found through <https://hts.usitc.gov/>. Special handling instructions may include "REQUIRES SPECIAL HANDLING AND/OR STORAGE" together with applicable storage statements, i.e., "STORE BETWEEN 2° - 8° C (36° - 46° F)", "KEEP FROZEN", "FLAMMABLE", etc. For shipments of controlled, classified, and pilferable items, the packing list shall be placed inside container no. 1. The container shall be marked with the legend "PACKING LIST HERE" or any similar legend. Point of contact information for the destination customer in order to send a REPSHIP. The Controlled Item Identification Code If shipment contains classified.

b. Linear bar codes. The packing list shall also include linear bar codes. Bar codes may be printed directly on the packing list, or, as an alternate, printed on a pressure-sensitive label which is securely affixed to the packing list. The following lines of bar-coded data, together with human readable interpretation, shall be provided on the packing list, in the format as shown in figure 36.:

1st bar code: TCN (for example, FM1234000012348XXX)

2nd bar code: NSN (or in absence of NSN, the CAGE and PN)

3rd bar code: SMS (ICP RIC), 2-position unit of issue, 5-position left zero-filled quantity condition code (shown as "A" unless otherwise specified) 2-position left-zero-filled distribution code and 6-position left zero-filled unit price.

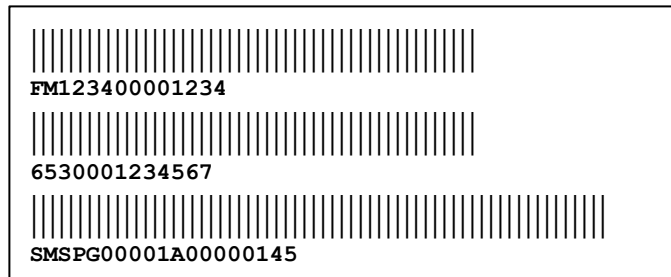


Figure 36. Packing List - Linear Bar Codes  
All FSCs

5. Military shipping label. A military shipping label shall be supplied on the marked side of the exterior (shipping) container and shall not interfere with any required markings. If adequate space is not available on the marked side, the military shipping label shall be placed on the opposite side. However, when the shipment requires unitization, the military address label need only be supplied on one of the marked sides of the unitized load.

a. Bar codes. Bar codes shall be required on the military shipping label. Both linear and 2D bar codes shall be supplied.

(1) Linear bar code. Each linear bar code on the military shipping label shall be one-half inch high and shall be accompanied by the human readable interpretation. Linear bar codes shall include the following:

1st bar code: TCN (for example, FM1234000012348XXX)

2nd bar code: Piece number - **Do not left zero-fill.**

3rd bar code: DoDAAC for the ultimate consignee/mark for consignee

Sample military shipping label linear bar codes are shown in figure 37.

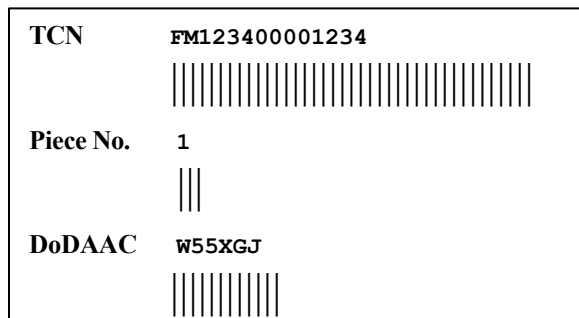


Figure 37. Military shipping Label - Linear Bar Codes  
All FSCs

(2) 2D bar codes. The 2D bar code elements shall include document number and suffix (in absence of document number, the contract/purchase order number), NSN (or in absence of NSN, the CAGE and PN), SMS, 2-position unit of issue, 5-position left zero-filled quantity, condition code (shown as "A" unless otherwise specified) 2-position left-zero-filled distribution code and 6-position left zero-filled unit price. See figure 38 for a sample 2D bar code.



Figure 38. Military shipping Label - 2D Bar Code  
All FSCs

b. Military shipping label. A properly completed, bar-coded military shipping label shall be required for each shipment. See figure 39 for sample military shipping label and locations of required bar codes.

TCN <b>SW81238350D001XXX</b>			
From <b>SW8123</b> In-the-clear Address 3 Lines Max, 35 Characters Per Line XXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXXX		TAC / Type Service / Postage <b>F8WR</b> <b>Fr 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 XXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXXX		
POD <b>RMS</b>	MSL, Supply, & TCMD Data 		
FMS Case <b>CKM</b>			
DLA Data <b>ABD77ZR</b> Dest: 30D135 CD: Spur:			
<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 XXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXXX		
			

Figure 39. Military shipping Label  
All FSCs

7. Material requiring special handling.

a. In addition to all markings as specified in the contract/purchase order and/or SOW, and as specified herein, to ensure that the receiving activity can properly identify items requiring special handling and storage, the vendor shall annotate the packing list with the following notation: "REQUIRES SPECIAL HANDLING AND/OR STORAGE" together with applicable storage statements, i.e., "STORE BETWEEN 2° - 8° C (36° - 46° F)", "KEEP FROZEN", "FLAMMABLE", etc. In addition, the vendor shall mark the shipping (exterior) container with applicable special handling marking, storage legends, and/or pictorial markings. statements, in addition to labeling and marking as specified herein. Details and expels of markings and legends are available in para. V.E.14.b. Examples of acceptable pictorial markings may be found in ASTM D 5445.

b. All protected cargo (i.e., sensitive/controlled/pilferable items) regardless of whether the item is classified as either Schedule II, III, IV or V, shall be shipped via traceable means. Signature service shall be used for all shipments of protected cargo.

8. Perishable items.

a. Properly packaged perishable items require proper marking in order to ensure that the requiring temperature is maintain during shipment and storage.

b. Complete details regarding marking required for shipment of perishable items are specified in para. V.E.14.g. and subparagraphs.

9. Protected cargo.

a. Complete details regarding marking required for shipment of protected cargo are specified in para. VI.B.9. and subparagraphs, as applicable.

b. All sensitive/controlled/pilferable items, regardless of whether the item is classified as

Schedule II, III, IV or V, shall be shipped via traceable means. Signature service shall be used for all shipments of these items.

c. Hazardous protected cargo. The requirements specified in para. V.E.13. shall apply to any shipment of a sensitive, controlled, or pilferable item which is also identified as hazardous material.

10. HAZMAT.

a. Requirements. Shipments of HAZMAT must be properly packaged, labeled, marked and certified in accordance with all applicable regulatory requirements, as specified in para. V.E.13. and subparagraphs.

b. OCONUS shipments. In addition to all specified requirements, all OCONUS shipments redirected/ diverted through the DTS for shipment via military aircraft shall comply with AFMAN 24-204(I)/TM 38-250/NAVSUP PUB 505/MCO 4030.19/DLAI 4145.3. These shipments are identified with Ship To Addresses to the Container Consolidation Points at: DLA Distribution Susquehanna PA (DODAAC: W25N14, RIC: SDQ, SPLC: 209405270) or DLA Distribution Depot, San Joaquin, CA (DODAAC: W62N2A, SPLC: 875702270); to the Norfolk, VA Container Freight Station (DODAAC: N45631, POE: IMJ, RIC: None found); or to the USAF Aerial Ports of Embarkation at Norfolk, VA (DODAAC: N45627, RIC: None found), Dover Air Force Base, DE (DODAAC: FB4497, RIC: DJN), Charleston Air Force Base, SC (DODAAC: FB4418, RIC: DKY) or Travis Air Force Base, CA (DODAAC: FB4427, RIC: DZK).

c. SDS's. The vendor shall maintain a file of all applicable SDS's and HWLs from suppliers and shall furnish all applicable SDS's and HWLs to the customer with each shipment of HAZMAT, as well as to DLA Troop Support, ATTN: FSSB (Packaging) upon receipt of applicable items. The shipper shall furnish the customer with all applicable SDS's with each shipment of hazardous material. The shipper shall also assure that all hazardous material is labeled correctly. A copy of each SDS, annotated with the item name and either the National Stock Number (if available) or the commercial part number, shall be provided to DLA Troop Support, ATTN: FSSB (Packaging). In addition, SDS's will be provided to the DLA Troop Support Contracting Officer, upon request.

d. Protected cargo. The requirements specified in para. V.E.9. shall apply to any shipment of a sensitive, controlled, or pilferable item which is also identified as hazardous material.

e. Shipper's Declaration for Dangerous Goods. In addition to all requirements as specified herein, each shipment via commercial or military air shall be accompanied by a properly completed standard commercial "Shipper's Declaration for Dangerous Goods", which is available for purchase from commercial vendors specializing in HAZMAT transportation supplies. The form shall have vertical red borders and shall meet the format, size and color specifications outlined in IATA Dangerous Goods Regulation, Section 8-documentation. Each shipment of HAZMAT shall be accompanied by a shipper's declaration for dangerous goods, properly prepared in accordance with each modal requirement for each segment of the shipment. A minimum of 3 completed original forms shall be supplied with each shipment. Each completed original form shall be signed by the certifying official. See figure 23 for a copy of the form.

C. Shipping and labeling instructions for OCONUS shipments diverted into the Defense Distribution Depots.

1. Labeling and marking requirements. All shipments shall be labeled and marked as specified in the contract and/or purchase order and as specified herein.

2. Destination labeling requirements. The correct DODAAC and the name of the Medical Ordering Facility shall be shown on the inner package, the packing list, and the military shipping label. Each exterior (shipping) container and or unitized load shall have a completed, bar-coded military shipping label firmly affixed to the container, as specified herein. The DODAAC is used to identify the ultimate consignee. Without a DODAAC, a shipment may end up as frustrated cargo, especially at a transshipment point. The "SHIP TO"

address is the transshipment point. The "MARK FOR" entry is required to identify the ultimate destination.

D. Transshipment points.

1. For shipments going to CENTCOM (Oman), EUCOM, JFCOM and SOUTHCOM, the transshipment points are as follows:

**Routine Medical Shipments – NORMAL CARGO DDSP Site East**

SHIP TO:  
**SW3329**  
DLA Distribution Susquehanna PA  
East U Avenue,  
Bldg. 89, Door 6  
New Cumberland, PA 17070-5000

MARK FOR: *(Fill in the DODAAC and the name of the medical ordering facility.)*

**Hazardous Medical Shipments (Includes Toxic, Poisonous, Infectious, or other Hazardous items)**

**For APO-AA, APO-AE**

SHIP TO:  
**SW3330**  
DLA Distribution Susquehanna PA  
Marsh Run Road BLDG 87  
(TCN: WK4FV1-XXXX-XXXX)  
Hazardous Material Section  
New Cumberland PA 17070-5000

MARK FOR: *(Fill in the DODAAC and the name of the medical ordering facility.)*

**Temperature Sensitive Medical Shipments (Includes Frozen items or any Large Shipment of Temperature Sensitive Items)**

**For APO-AA, APO-AE**

SHIP TO:  
**SW3331**  
DLA Distribution Susquehanna PA  
(TCN: WK4FV1-XXXX-XXXX)  
U Avenue  
Bldg. 89, Door 6  
New Cumberland, PA 17070-5000

MARK FOR: *(Fill in the DODAAC and the name of the medical ordering facility.)*

*Note:*

*Temperature Controlled Items: A temperature control labels must be affixed to the outside shipping container for all temperature-controlled items (or orders). The label will help to quickly identify temperature-sensitive items which will facilitate in properly storing and distributing the material.*

**Controlled Substances (Medical, Schedules I through V)**

**For APO-AA, APO-AE**

SHIP TO:  
**SW3332**  
DLA Distribution Susquehanna PA  
(TCN: WK4FV1-XXXX-XXXX)  
East U Avenue,  
Bldg 89V, SW3332, Door 6

New Cumberland, PA 17070-5000  
Attn: Vault Personnel Tel (717) 770-2779

MARK FOR: *(Fill in the DODAAC and the name of the medical ordering facility.)*

2. For shipments to INDOPACOM, the transshipment point is as follows:

**Routine Medical Shipments – NORMAL CARGO**

SHIP TO:  
**SW3336**  
DLA Distribution Depot San Joaquin  
SW3336 CONSOL AND  
CONTAIN PT 209 839 5028 25600 S  
CHRISMAN RD CCP WHSE 30  
TRACY, CA 95304-5000

MARK FOR: *(Fill in the DODAAC and the name of the medical ordering facility.)*

**Hazardous Medical Shipments (Includes Toxic, Poisonous, Infectious, or other Hazardous items)**

**For APO-AP, APO-AK**

SHIP TO:  
**SW3334**  
DLA Distribution Depot, San Joaquin  
25600 South Chrisman Rd  
(TCN: WT4J8S-XXXX-XXXX)  
Warehouse 28  
Tracy, CA 95304-5000  
Tel. (209) 839 5134

MARK FOR: *(Fill in the DODAAC and the name of the medical ordering facility.)*

**Temperature Sensitive Medical Shipments (Includes Frozen items or any Large Shipment of Temperature Sensitive Items)**

**For APO-AP, APO-AK**

SHIP TO:  
**SW3333**  
DLA Distribution Depot, San Joaquin 25600  
South Chrisman Road  
(TCN: WT4J8S-XXXX-XXXX)  
Warehouse 28  
Tracy, CA 95304-5000  
Tel. (209) 839-5134

MARK FOR: *(Fill in the DODAAC and the name of the medical ordering facility.)*

Note:

*Temperature Controlled Items: A temperature control labels must be affixed to the outside shipping container for all temperature-controlled items (or orders). The label will help to quickly identify temperature-sensitive items which will facilitate in properly storing and distributing the material.*

**Controlled Substances (Medical, Schedules I through V)**

**For APO-AP, APO-AK**

SHIP TO:  
**SW3335**  
DLA Distribution Depot, San Joaquin  
25600 South Chrisman Road  
(TCN: WT4J8S-XXXX-XXXX)

Warehouse 19-3  
Tracy, CA 95304-5000  
Tel. (209) 839-4452

E. Shipments redirected/diverted through military air terminals. In addition, when shipments are redirected/diverted through a Military Air Terminal, the following shipping instructions shall also apply:

1. All suppliers who ship to overseas medical facilities by military air **must** call for an air clearance.

2. Shippers must obtain permission to ship controlled substances by military air. If approved, Signature Tally Service is required. Approval can be obtained when calling for an air clearance (See para. VI.E.3.).

3. It is **mandatory** that all shipments to Air Mobility Command (AMC) air channels obtain shipment clearance from the Service Air Clearance Authority **24 hours prior to arrival**. To obtain clearance, the shipper must contact Enterprise Transportation (ET) at (800) 456-5507, fax (717) 770-2701, email [delivery@dla.mil](mailto:delivery@dla.mil), and provide the following information:

- a. DoDAAC (ET will provide a Transportation Control Number (TCN)).
- b. Date of shipment, mode and number of days enroute.
- c. Number and type of containers, weight and cube.
- d. Special handling instructions (e.g., perishable, hazardous, etc.).

4. The shipper will also be asked to complete a request form and fax it to ET. See figure 40 for a sample of the ET request form.

5. Once ET has received the shipping information from the contractor, ET will email or fax the contractor a Transportation Control Movement Document (TCMD). The TCMD shall be affixed to the outside of the exterior (shipping) container or, as an alternate, shall be inserted into a pouch which is securely affixed to the box.

6. When the air clearance has been obtained, ET will provide the contractor with the applicable AMC channel address. AMC channels are as follows:

**EUCOM, CENTCOM, JFCOM and SOUTHCOM:**

FB4418  
Charleston AFB, SC  
  
Officer in Charge  
Air Freight Terminal  
Bldg. 178  
Charleston AFB  
Charleston, SC 29404  
(843)963-3187/3188

FB4497  
Dover AFB, DE  
  
Air Freight Terminal  
505 Atlantic  
Dover AFB, DE 19902  
(302)677-4272/4273

FB4484  
McGuire AFB, NJ  
  
Traffic Management Office  
Bldg 1702  
Vandenberg Ave. Bay 2  
McGuire AFB, NJ 08641  
(609)724-3434/2228

N45627  
Norfolk NAS, VA  
  
Naval Air Terminal Norfolk  
8449 Air Cargo Road Bldg.  
LP-205  
Norfolk, VA 23511-4997

**INDO-PACOM:**

FB4427

Travis AFB, CA

Traffic Management Office  
Bldg. 977  
90 Ragsdale Road  
Travis AFB, CA 94535

F. Applicable labels. The following labels may also be required for OCONUS shipments, as specified herein and in the contract and/or purchase order or SOW:

1. Transportation Special Handling/Protective Services. This form is used when a shipment of non-HAZMAT Medical Material requires special handling/protective services. This form is not for use with HAZMAT shipments. See para. V.E.14.f. for details. See figure 28 for a sample of the blank form.

2. Shipper's Declaration for Dangerous Goods. This form is required for all shipments of HAZMAT via commercial or military air. See para. V.E.13.j. See figure 23 for a sample of the blank form.

3. Additional information. Requests for additional information and/or supplies of forms referenced in this document, may be forwarded via email to the point of contact listed in para. VII.

## **VII. POINT OF CONTACT**

A. For clarification of packaging and marking requirements, to request additional copies of this Marking Standard (document can be provided either in hard copy or electronically), or to information regarding forms and/or to request a supply of specific forms, contact:

DLA Troop Support  
ATTN: FSSB (Packaging)  
700 Robbins Avenue - Bldg 6A  
Philadelphia, PA 19111-5092  
E-MAIL: fssb@dla.mil

B. When requesting forms, include in your request the form number(s) and the number of copies desired. For all requests (whether for copies of this Marking Standard or referenced forms), to ensure timely delivery, also include your complete mailing address and a point of contact (name, telephone number and/or email address).



**ET REQUEST FORM**

<b>Vendor Request for Shipping instructions DDC Supply Chain Transportation</b>					FAX: 717-770-2701 PHONE: 1-800-456-5507 E-MAIL: DELIVERY@DLA.MIL		
<b>Vendor Data</b>		NON-ESOC <input type="checkbox"/> ESOC <input type="checkbox"/>	Requestor Email:				
Company Name			CAGE:		Requestor Name:		
Origin Shipping Address:			Requestor Phone No:				
			Requestor Fax No:				
<b>Data to Process Shipping requests:</b>			CONTRACT NUMBER:			Delivery Order Number:	
NSN:			RDD:			Priority:	
Supplemental Address:			Signal Code:			Project Code:	
<b>INFORMATION BELOW IS ACCORDING TO SHIPMENT UNIT, IE., BAG, BOX OR SKID</b>			Requisition Number/TCN:				
IF YOU HAVE MULTIPLE SHIPMENT UNITS, EACH MUST HAVE THE QUANTITY WITHIN THE UNIT AND EACH UNIT MUST BE LISTED SEPERATELY							
If you are packing more than one clin in a unit, list all clin within that unit	Clin or Item Number:	Type of Shipment Unit	Quantity In Each Shipment Unit	Weight of the Shipment Unit	Dimensions (In Inches)		
					Length	Width	Height
Unit 1							
Unit 2							
Unit 3							
If you have more than three shipment units, list additional data in the bottom section.							
If a FOB Origin/Non Fast Pay, indicate dates and times material is available for pick-up:							
<input type="checkbox"/>	HAZARDOUS	CLASS	U.N.	PACKING GROUP			
<input type="checkbox"/>	NON-HAZARDOUS	PROPER SHIPPING NAME					

**FOR FOB ORIGIN CONTRACTS/NON FAST PAY, ENTER THE APPLICABLE CBL ANNOTATION ON THE BILL OF LADING:** If the Government is shown as the consignor or the consignee, the annotation shall be: Transportation is for the Defense Logistics Agency and the actual total transportation charges paid to the carrier(s) by the consignor or consignee are assignable to, and shall be reimbursed by the Government.

**If the Government is not shown as the consignor or the consignee, the annotation shall be:** Transportation is for the Defense Logistics Agency and the actual total transportation charges paid to the carrier(s) by the consignor or consignee shall be reimbursed by the Government, pursuant to cost-reimbursement contract No. \_\_\_\_\_ This may be confirmed by contacting Defense Distribution Center, 1-800-456-5507. Note to vendor: Add the name and address of the Contract Administration Office listed in the contract.

**Overseas shipment of hazardous materials are to be marked, labeled and certified based upon the final mode of shipment from CONUS.** If the shipment is moving through a military aerial port of embarkation, the shipment shall be certified in accordance with the DLAI 4145.3, Preparing Hazardous Material for Military Air Shipments. DLAI 4145.3 is available on the internet at [http://www.dscc.dla.mil/downloads/packaging/AFMAN24\\_204\\_1.pdf](http://www.dscc.dla.mil/downloads/packaging/AFMAN24_204_1.pdf)

Shipments moving through surface/water ports shall be certified in accordance with the International Maritime Dangerous Goods (IMDG) Code. **FORM DDC-2010/1**

Figure 40. Vendor Request for Shipping Instructions  
 DLA Supply Chain Transportation  
 All Shipments  
 All FSC