

AGENDA

- **WELCOME**
- **PACKAGING
GUIDE REVIEW**
- **RFID & UID**
- **QUESTIONS &
ANSWERS**

MIL-STD-129P
w/Change 2

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

FIGURE 2a. Generic Cargo.

TCN AWS1EAA\$0D00340XX				
Equipment Description HELICPR CARGO MH-60K			Serial Number / Package ID 123456789012	
Model 12345ASDFG	Bumper Nm HQ-123	ULN 1234567	UIC WS1EAA	
From AWA2UC In-the-clear Address 3 Lines Max, 35 Characters Per Line XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX			NSN 123456789012345	
Piece 1 Of 1			Length (in.) 12345	TAC YZZZ
	Weight (lb.) 14000	Width (in.) 12345	Project 9BU	
	Cube (ft.) 1200	Height (in.) 12345	RDD 999	
Ship To / POE In-the-clear Address 5 Lines Max, 35 Characters Per Line DOV Abcdefg Hijklmno Pqrstuv Wxyz Abcdefg Hijklmno Pqrstuv Wxyz XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX				
POD RMS	MSL / TCMD / Unit Move Information 			
Commodity/SH VD				
Ultimate Consignee / Mark For Consignee Ultimate / Mark For Consignee Address 5 Lines Max, 35 Characters Per Line W44TYH Abcdefg Hijklmno Pqrstuv Wxyz Abcdefg Hijklmno Pqrstuv Wxyz XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX				

FIGURE 2b. Unit Move.

(Recommended label size is 4 inches by 6 inches).

FIGURE 2c. MSL with Express Service bar codes. Deleted.

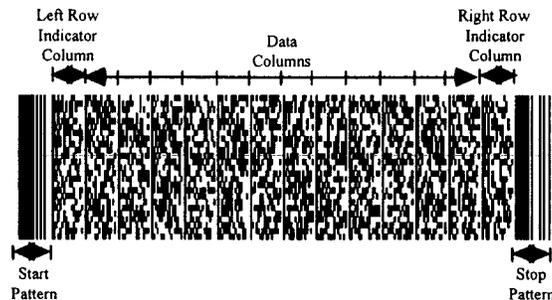
TABLE IV

Technical Details For 2-Dimensional (2D) PDF417 Symbology

Table IV provides detailed printing instructions for the 2D PDF417 symbol and it provides explanations for the Tables that follow.

1. Printing Instructions.

- a. The PDF417 symbol used for shipping and receiving shall be printed with no more than 12 data columns in width. The use of 13 to 18 data columns is allowed for inventory or supporting documentation applications (ammunition/explosive marking, packing list, etc) if smaller symbols cannot accommodate the increased data requirements. A PDF417 symbol includes a start pattern, a left row indicator column, one or more data columns, a right row indicator column, and a stop pattern..



- b. The symbol shall not exceed 2.4 inches (61 mm) in height to include the surrounding minimum quiet zone.
- c. The symbol shall have a minimum quiet zone of 0.04 inches (1 mm) above, below, to the left, and to the right.
- d. The minimum narrow element dimension (X-dimension) shall not be less than 0.01 inches (10 mils/.254 mm). For symbols up to 12 data columns, the X-dimension will not exceed 0.017 inches (17 mils/.432 mm). For 13 to 18 data columns, the X-dimension will not exceed inches.
- e. The symbol shall have a minimum row height of three times the width of the narrow element (X-dimension).
- f. The symbol shall use error correction level 5.
- g. The start and stop bars of the symbol shall be perpendicular to the natural bottom of the label.

MIL-STD-129P

w/Change 2

D>			Message Header Compliance Indicator	an3		D>	RS	4
	06		Data Identifier Format Header	an2		06	GS	3
		JKUSM	TCN	an5	an17	SW81238350D001XXX	GS	23
		3D	Ship Date	an2	an4	1090	GS	7
		9K	TAC	an2	an4	SZZZ	GS	7
		2L	Ship To Address See Note 1	an2	an..35 +an..35 +an..35 +an..35 +an..35 See Note 3	1 st address line +2 nd address line +3 rd address line +4 th address line +5 th address line	GS	182
		3L	From Address See Note 1	an2	an..35 +an..35 +an..35 See Note 3	1 st address line +2 nd address line +3 rd address line	GS	110
		5L	Consignee Address See Note 1	an2	an..35 +an..35 +an..35 +an..35 +an..35 See Note 3	1 st address line +2 nd address line +3 rd address line +4 th address line +5 th address line	GS	182
		51L	Origin Zip Code	an3	an5	45324	GS	9
		N	NSN See Note 2	an1	an..13	1234567890123	GS	15
		2Q	Weight (shipment piece)	an2	an..5 +./an2 See Note 4	7760 Or metric: 1759/KG	GS	11

MIL-STD-129P
w/Change 2

		13Q	Piece Number / Total Pieces	an3	an..4/an..4	1/1	GS	13
		4R	DoDIC See Note 2	an2	an4	PL23	GS	7
		13S	Security Seal Number	an3	an8	90876787	GS	12
		1T	Lot Number See Note 2	an2	an..25	MCG77G002-060	GS	28
		4V	Ocean Carrier Code	an2	an4	SEAU	GS	7
		17V	CAGE Code	an3	an5	12345	RS	9
	07		Free Text Format Header	an2		07	GS	3
		03	Project Code	an2	an3	9BU	GS	6
		10	Model Identifier	an2	an..10	KZ456754	GS	13
		12	Cube (shipment piece)	an2	an..4 +./an2 See Note 4	35	GS	10
		15	Water Commodity / Special Handling Code	an2	an5	390Z9	GS	8
		18	Length Default = inches	an2	n..5 +./an2 See Note 4	1239	GS	11
		19	Width Default = inches	an2	n..3 +./an2 See Note 4	12	GS	9
		20	Height Default = inches	an2	n..3 +./an2 See Note 4	135	GS	9
		21	Pallet Identifier	an2	an..6	DOVARC	GS	9
		23	Air Dimension Code	an2	an1	A	GS	4

MIL-STD-129P
w/Change 2

Table B MIL-STD-129P w/Change 2								
Line Item	Code	Description	Quantity	Unit	Value	Control	Priority	Remarks
	24	Container Number Code	an2	an5	13579	GS	8	
	25	POE Code	an2	an3	DOV	GS	6	
	26	POD Code	an2	an3	RMS	GS	6	
	27	Consignee DoDAAC	an2	an6	W55XGJ	GS	9	
	28	Transportation Priority	an2	n1	1	GS	4	
	29	Consignor DoDAAC	an2	an6	SW8123	GS	9	
	30	Mode/Method Code	an2	an1	B	GS	4	
	32	RDD	an2	an..3	999	GS	6	
	34	TCMD/Manifest Doc ID Code (header DIC only)	an2	an3	TX1	GS	6	
	35	Free Text Comment	an2	an..60	NO LINE ITEM DATA	GS	63	
	36	Serial Number	an2	an..13	1234567890123	GS	16	
	38	Nomenclature	an2	an..14	Boots	GS	17	
	39	Number of Rounds	an2	n..6	112000	GS	9	
	40	UN Class/Division Code	an2	an2	1A	GS	5	
	41	UN/NA Indicator	an2	an2	UN	GS	5	
	42	UN/NATO ID Number	an2	an4	2766	GS	7	
	43	Compatibility Group Code	an2	an1	Z	GS	4	
	44	Net Explosive Weight	an2	n..6	449800	GS	9	
	48	Type Service	an2	an..10	Frnt LTL	GS	13	
	49	Air Commodity / Special Handling Code	an2	an2	AZ	GS	5	
	50	Type Pack Code	an2	an2	BX	GS	5	
	51	SEAVAN Ownership Code	an2	an4	SEAU	GS	7	
	55	CDIST Code	an2	an1	A	GS	4	
	56	Shipment Units in Van	an2	n2	12	GS	5	
	57	Pieces in Van	an2	n4	1234	GS	7	

MIL-STD-129P
w/Change 2

			58	Van Inside Cube	an2	an..4	1234	GS	7
			59	Van Length	an2	an..2	40	GS	5
			60	Van Number (complete)	an2	an8	12345678	GS	11
			61	Check Digit	an2	n1	9	GS	4
			62	Temperature Range	an2	an..5	F632	GS	8
			63	Stopoff Number and Consignee DoDAAC	an2	n..2 +an6	1AF5612	GS	11
			67	FMS Case Number	an2	an3	CKM	GS	6
			76	Stopoff Consolidation Code	an2	an1	X	RS	4
The following sets of data (DI 12S through 12Q) repeat for each supply line item in the shipment									
	06			Data Identifier Format Header	an2		06	GS	3
		12S		Supply Document Number	an3	an14..15	WK4GEY80110231	GS	19
		N		NSN	an1	an..15	5310011987585	GS	17
		4R		DoDIC (ammo only)	an2	an4	PL23	GS	7
		1T		Lot Number (ammo only)	an2	an..25	MCG77G002-060	GS	28
		7Q		Quantity & UI	an2	n..5+an2	5EA	GS	10
		V		Routing Identifier Code	an1	an3	S9I	GS	5
		2R		Condition Code	an2	an1	A	GS	4
		8V		Distribution Code	an2	an2	7V	GS	5
		12Q		Unit Price	an3	n..5+.n2 +an3	12345.90USD	GS	15
		12S		Supply Document Number	an3	an14..15	WK4GEY80110232	GS	19
		N		NSN	an1	an..15	5310011987585	GS	17
		4R		DoDIC (ammo only)	an2	an4	PL23	GS	7
		1T		Lot Number (ammo only)	an2	an..25	MCG77G002-060	GS	28
		7Q		Quantity & UI	an2	n..5+an2	5EA	GS	10

MIL-STD-129P
w/Change 2

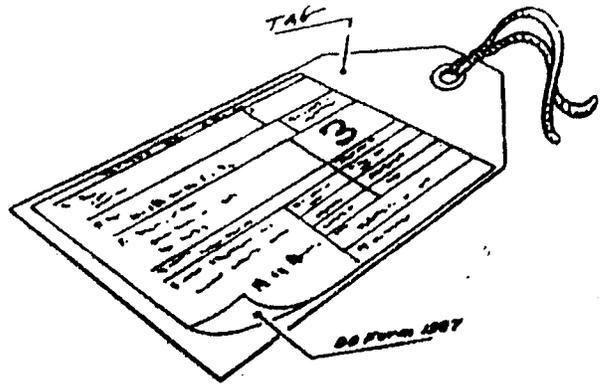
Element	Code	Description	Field	Length	Value	Unit	Count
	V	Routing Identifier Code	an1	an3	S9I	GS	5
	2R	Condition Code	an2	an1	A	GS	4
	8V	Distribution Code	an2	an2	7V	GS	5
	12Q	Unit Price	an3	n..5+.n2 +an3	12345.90USD	RS	15
						EOT	1

Note 1. In order to provide space in the 2D symbol for multiple supply line item data, the in-the-clear address data is not printed in the 2D symbol for shipment units containing multiple supply line items (multipack or consolidated shipment).

Note 2. The Format 06, DI N, 4R, or 1T elements shall only be shown in this part of the 2D symbol if TCMD T_6 data or TCMD T-7 data is available as a source. In most cases, NSN information will not be available from TCMD T_6 data for a shipment unit of consolidated multiple line items.

Note 3. The plus symbol (+) is used as a delimiter between the data elements and is part of the data sub-string.

Note 4. To accommodate current automated information systems, US default values are assumed as shown. Metric data values may be used in the 2D symbol for generic cargo shipment descriptions, but the data values must be marked with the metric units of measure from the ANSI X12.3 code list 355. The ANSI X12.3 codes selected for use are: KG = kilograms, CM = centimeter, CC = cubic centimeter, MR = meter, CR = cubic meter. Decimal values are allowed in the 2D symbol. Human readable values printed on the DoD MSL shall be in US standard unit of measure format and shall be rounded to the next higher whole number with leading zeros suppressed.



MILITARY SHIPMENT LABEL		Form Approved OMB No. 0704-0188	
1. TRANSPORTATION CONTROL NUMBER		2. POSTAGE DATA	
3. FROM		4. TYPE SERVICE	
5. SHIP TO/POE		6. TRANS PRIORITY	
7. POD		8. PROJECT	
9. ULTIMATE CONSIGNEE OR MARK FOR	10. WT. (lbs piece)	11. RDD	
	12. CUBE (ft ³ piece)	13. CHARGES	
	14. DATE SHIPPED	15. FMS CASE NUMBER	
	16. PIECE NUMBER		
	17. TOTAL PIECES		

DD Form 1387, NOV 86

Previous editions are obsolete

GPO : 1987 O - 171-241

FIGURE 5. Military address markings applied to a Military Shipment Label for a DOD-originated shipment.
The label may be attached to a paper shipping tag.

MILITARY SHIPMENT LABEL DD FORM 1387	
1. TRANSPORTATION CONTROL NUMBER  W6262050980209XXX	2. POSTAGE DATA
3. FROM	4. TYPE SERVICE
5. SHIP TO / POE	6. TRANS PRIORITY
7. POB	8. PROJECT
9. ULTIMATE CONSIGNEE OR MARK FOR  W6262R	10. WT
	11. ROD
	12. CUBE
	13. CHARGES
	14. DATE
	15. FMS CASE NO
	16. PIECE NO  0004
	17. TOTAL PIECES

FIGURE 6. Sample of a bar coded Military Shipment Label.

DSCR PACKAGING GUIDE



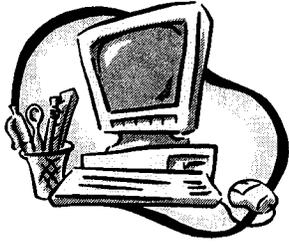
Forward

This guide will assist government and industry personnel in applying flexible packaging practices to meet the requirements of new and legacy systems. It can be used as a training tool for contracting officers, packaging specialist, and DCMA personnel to meet Defense Packaging requirements.



Table of Contents

SUBJECT	PAGE
How to obtain Military Packaging Specifications.	1
Basic Specifications & Standards used by DSCR for Military Packaging.	2
Government & Non-Government Documents.	3-7
MIL-STD 2073 SCOPE.	8
MIL-STD 2073 Packaging Code Format.	9
MIL-STD 2073 Methods of Preservation Codes.	10
MIL-STD 129 Change Letters.	11-15
MIL-STD 129 Military Shipping Label (MSL).	16-26
MIL-STD 129 Container Identification Markings.	27-28
DSCR's Master Solicitation (web page).	29
Far Clause Section D. (D4K) Packaging & Marking Requirements.	30
DSCR Palletization Clause.	31-33
Military Pallets.	34-35
European Union Wood Packaging (NMWP).	36-40
Bar Code Requirements For DVD Shipments.	41-46
Contract Awards with Military & Commercial Packaging.	47-49
BSM Contract Award with MIL-STD 2073 Code Delineation.	50
Official DLA Packaging web site.	51-52
DSCR's Packaging Specialists.	53-54



HOW TO OBTAIN SPECIFICATION AND STANDARDS FROM THE DOD SINGLE STOCK POINT

For assistance in ordering standards, contact:

DOD Single Stock Point
Special Assistance Desk Phone: (215) 697-2179 or Fax (215) 697-1462
700 Robbins Avenue, Bldg. 4D (Note: Orders are not accepted on these lines.)
Philadelphia PA 19111-5098

NEED HELP?????.....Ask The Special Assistance Desk!!!!

A special assistance desk is available M-F 7:30 a.m. to 4:00 p.m. (EST) to assist you in matters such as:

- Sources for documents not at the DODSSP
- Establishing a customer account
- Assistance determining document identifiers
- Inquiries about the services
- Special request such as obtaining a complete set of documents
- Stats of orders previously placed

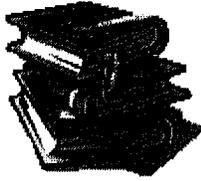
For ordering Military Specifications and Standards on-line, see:

www.dodssp.daps.mil or visit our [Specification, Standards, and Manuals](#) web page to download a copy of Military Packaging documents.

For ordering ASTM Specifications on-line, see: www.astm.org

Required Government Specification and Standards

- MIL-STD-2073** - Standard Practice for Military Packaging
- MIL-STD-129** - Marking for Shipment and Storage
- MIL-HDBK-774** - Palletized Unit Loads
- MIL-STD-290** - Packaging of Petroleum and Related Products
- MIL-STD-130** - Department of Defense Standard Practice. Identification Marking of U.S. Military Property



The Basic Specifications and Standards for the Development, Decoding, and Utilization of Military Packaging Requirements:

- 1. MIL-STD-2073 1D, 'Standard Practice for Military Packaging Requirements.' (15 December 1999)** *Purpose:* This document outlines standard processes for the development and documentation of military packaging, as distinct from commercial packaging. This standard covers methods of preservation to protect material; against environmentally induced corrosion and deterioration, physical and mechanical damage, and other forms of degradation during storage, multiple handling, and shipment associated with the military distribution system.
- 2. MIL-STD-129P, 'Standard Practice for Military Marking.' (w/CHANGE 2, 10 February 2004)** *Purpose:* This standard provides the minimum requirements for uniform military marking and procedures for their application. The purpose of this standard has changed. It is intended for the use only for the application of military specific markings to items intended for transportation and storage within the military distribution system, i.e., for marking of material not intended for immediate use, that is stored and/or moved within or between DoD facilities. Markings for commercial packaging are discussed in ASTM D 3951.
- 3. AIM BC-1, 'Uniform Symbology Specification-Code39. '(Approved 16 August 1995)** *Purpose:* This specification is the new reference symbology standard for the Department of Defense. ANSI/AMI/ BC1-1995, Code 39 (also called Code 3 of 9) is suitable for encoding general-purpose alphanumeric data. Reference symbology for many industry standards. Character encodation (standard and optional full ASCII), reference decode algorithm and optional check character calculation are included in this document. This specification is intended to be significantly identical to the corresponding Commission for European Normalization (CEN) specification.
- 4. ASTM D3951, 'Standard Practice for Commercial Packaging.'** (Approved 10 Nov 1998) *Purpose:* This practice establishes minimum requirements for packaging of supplies and equipment, exclusive of ammunition, explosives, or hazardous materials, as covered in Title 49 of the Code of Federal Regulations. This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitation prior to use.

MIL-STD-129P
w/Change 2

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3, 4, and 5 of this standard. This section does not include documents cited in other sections of this standard or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they meet all specified requirements documents cited in sections 3, 4, and 5 of this standard, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

MILITARY

- MIL-DTL-4 - Tires and Inner Tubes (Non-Aircraft); Packaging of
- MIL-C-46168 - Coating, Aliphatic Polyurethane, Chemical Agent Resistant
- MIL-C-53039 - Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant
- MIL-PRF-61002 - Pressure-sensitive Adhesive Labels for Bar Coding
- MIL-DTL-64159 - Coating, Water Dispersible Aliphatic Polyurethane, Chemical Agent Resistant

STANDARDS

FEDERAL

- FED-STD-595 - Colors Used in Government Procurement

MILITARY

- MIL-STD-290 - Packaging of Petroleum and Related Products
- MIL-STD-1168 - Ammunition Lot Numbering and Ammunition Data Card
- MIL-STD-2073-1 - Standard Practice for Military Packaging

(Copies of these documents are available online at <http://www.dodssp.daps.mil> or <http://assist.daps.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

MIL-STD-129P
w/Change 2

2.2.2 Other Government documents and publications. The following other Government documents and publications form a part of this document to the extent specified herein. Unless otherwise specified, issues are those cited in the solicitation.

CODE OF FEDERAL REGULATIONS (CFR)

- Title 10 CFR - Energy
- Title 29 CFR - Labor
- Title 40 CFR - Protection of Environment
- Title 49 CFR - Transportation

DEFENSE FEDERAL ACQUISITION REGULATION (DFAR) SUPPLEMENT

(Application for copies should be addressed to Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.)

JOINT MILITARY

- AFMAN 24-204(I)/TM 38-250/
NAVSUP PUB 505/MCO
P4030.19H/DLAI 4145.3 - Preparing Hazardous Materials for
Military Air Shipments
- DLAD 4145.41/AR 700-143/
AFJI 24-210/NAVSUPINST
4030.55B/MCO 4030.40B - Packaging of Hazardous Material
- TM 38-400/NAVSUP PUB 72/
AFJMAN 23-210/MCO 4450.14/
DLAM 4145.12 - Storage and Materials Handling

DoD REGULATIONS, MANUALS, AND HANDBOOKS

- DoD 4000.25-1-M - Military Standard Requisitioning and Issue
Procedures (MILSTRIP)
- DoD 4140.27-M - Shelf-Life Management Manual
- DoD 4500.9-R - Defense Transportation Regulation (DTR)

(Joint military publications and DoD regulations and manuals listed are available through the applicable Service/Agency publications distribution office. Non-DoD activities can obtain copies of the publications from the Defense Logistics Agency, ATTN: DSS-CV, 8725 John J. Kingman Road, Fort Belvoir, VA 22060-6221.) DoD 4000.25-1-M and DoD 4000.25-2-M are available electronically through <http://www.dlaps.hq.dla.mil/sr2.htm>.)

MIL-STD-129P
w/Change 2

NORTH ATLANTIC TREATY ORGANIZATION (NATO)

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

AMERICAN, BRITISH, CANADIAN, AND AUSTRALIAN (ABCA)

QSTAG 1152 - Bar Code Symbology
QSTAG 1154 - Standard Marking for Shipment and Storage

(Copies of Standardization Agreements (STANAGs) and Quadripartite Standardization Agreements (QSTAGs) are available at <http://assist.daps.dla.mil/quicksearch/> or <http://www.dodssp.daps.mil> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

OTHER

Medical Marking Standard No 1
DSCP Form 3556 - Marking Instructions for Boxes, Sacks, and Unit Loads of Perishable and Semiperishable Subsistence

(Copies of Medical Marking Standard No 1 are available from Defense Supply Center Philadelphia, ATTN: DSCP-MSBA (Packaging), 700 Robbins Avenue – Bldg 6A South, Philadelphia, PA 19111-5092. Copies of DSCP Form 3556 are available from the same address at ATTN: DSCP-HSL, Bldg 6 or through <http://www.dscp.dla.mil/subs/subsbo/specs/procure.htm>.)

2.3 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of documents are those cited in the solicitation or contract.

ASTM INTERNATIONAL

ASTM D 882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting
ASTM D 996 - Standard Terminology of Packaging and Distribution Environments
ASTM D 2582 - Standard Test Method for Puncture-Propagation Tear Resistance of Plastic Film and Thin Sheeting
ASTM D 3951 - Standard Practice for Commercial Packaging
ASTM D 3953 - Standard Specification for Strapping, Flat Steel and Seals
ASTM D 4675 - Standard Guide for Selection and Use of Flat Strapping Materials
ASTM D 5445 - Standard Practice for Pictorial Markings for Handling of Goods
ASTM D 5486/ - Standard Specification For Pressure Sensitive Tape For Packaging,
D 5486M Box Closure, and Sealing

MIL-STD-129P
w/Change 2

(Application for copies should be addressed to ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 or through www.astm.org.)

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
INTERNATIONAL ORGANIZATION STANDARDS (ISO)
INTERNATIONAL ELECTROTECHNICAL COMMITTEE (IEC)

- ANSI X3.182:1990 (R95/R00) - Bar Code Print Quality Guideline
- ANSI X12.3 - Data Identifier Dictionary
- ANSI MH10.8.1:2000 - For Material Handling – Unit Loads and Transport Packages-
Linear Bar Code and Two-dimensional Symbols Used in
Shipping, Receiving, and Transport Applications
- ANSI MH10.8.2:2001 - Data Application Identifier Standard
- ISO/IEC 15416:2000 - Information Technology – Automatic Identification and Data
Capture Techniques - Bar Code Print Quality Test
Specification – Linear Symbols
- ISO/IEC 15434:1999 - Information Technology – Transfer Syntax for High Capacity
ADC Media
- ISO/IEC 15438:2001 - Information Technology - Automatic Identification and Data
Capture Techniques - Bar Code Symbology Specification –
PDF417
- ISO/IEC 16388:1999 - Information Technology - Automatic Identification and Data
Capture Techniques - Bar Code Symbology Specification –
Code 39

(Application for ANSI or ISO/IEC hard copies should be addressed to Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado 80112-5776. Electronic copies are available through <http://global.ihs.com> or www.ansi.org.)

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)

Dangerous Goods Regulations

(Application for hard copies should be addressed to International Transport Association, 2000 Peel Street, Montreal, Quebec, Canada H3A 2R4.)

INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)

Technical Instructions for the Safe Transportation of Dangerous Goods by Air

MIL-STD-129P
w/Change 2

(Application for copies should be addressed to International Regulations Publishing and Distributing Organization, P.O. Box 60105, Chicago, IL 60660.)

INTERNATIONAL MARITIME ORGANIZATION (IMO)

International Maritime Dangerous Goods (IMDG) Code

(Application for copies should be addressed to International Maritime Organization, 4 Albert Embankment, London SE1 7SR, England.)

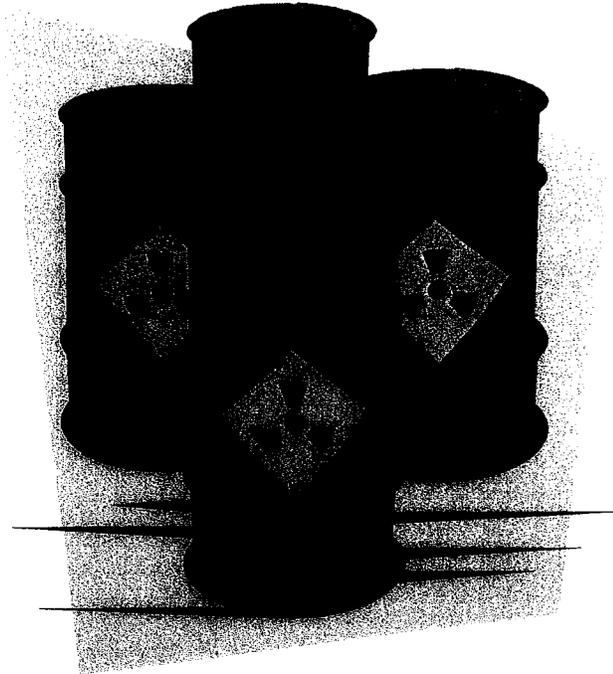
(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents also may be available in or through libraries or other informational services.)

2.4 Order of precedence. 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.

MIL-STD-2073-ID

SCOPE

Purpose. This document outlines standard processes for the development and documentation of military packaging, as distinct from commercial packaging. This standard covers methods of preservation to protect material against environmentally induced corrosion and deterioration, physical and mechanical damage, and other forms of degradation during storage, multiple handling, and shipment associated with the military distribution system



MIL-STD-2073-1D

APPENDIX J

TABLE J.I. Methods of preservation codes (see J.4.2).

Code	Method	Superseded codes from:	
		MIL-P-116J	MIL-STD-2073-2C
10	Physical protection	III	10
20	Preservative coating only (with greaseproof wrap, as required)	I	11
31	<u>30 Waterproof protection</u> Waterproof bag, sealed	IC IC-3	2Y 2D
32	Container, waterproof bag, sealed	IC-2	2M
33	Greaseproof-waterproof bag, sealed	IC-1	2E
41	<u>40 Watervaporproof protection</u> Watervaporproof bag, sealed	IA IA-8	3Y 3G
42	Container, watervaporproof bag, sealed, container	IA-14	3Q
43	Floating watervaporproof bag, sealed	IA-16	3H
44	Rigid container (other than metal), sealed	IA-13	3T
45	Rigid metal container, sealed	IA-5	3V
	<u>50 Watervaporproof protection with desiccant</u>	II	4Y
51	Watervaporproof bag, sealed	IIC	4G
52	Container, watervaporproof bag, sealed, container	IIb	4Q
53	Floating watervaporproof bag, sealed	IIa	4H
54	Rigid container (other than metal), sealed	IIf	4T
55	Rigid metal container, sealed	II d	4V
ZZ	See J.4.1.c	-	-



DEFENSE LOGISTICS AGENCY
HEADQUARTERS
8725 JOHN J. KINGMAN ROAD, SUITE 2533
FORT BELVOIR, VIRGINIA 22060-6221

IN REPLY
REFER TO: J-3
PROCLTR 03- 20

NOV 14 2003

MEMORANDUM FOR PROCLTR DISTRIBUTION LIST

SUBJECT: MIL-STD-129P – Department of Defense (DOD) Standard Practice for Military Marking for Shipment and Storage (Defense Logistics Acquisition Directive (DLAD)) 4105.1, Paragraphs 11.290(a)-(b), 12.301(f)(102); Clause 52.211-9008; Clause 52.211-9010)

This PROCLTR provides DLAD coverage (Attachment 1) to implement MIL-STD-129, Revision P, dated December 15, 2002. Revision P is the latest version of MIL-STD-129 and establishes significant new requirements for DOD contractors that ship packaged materiel to the Government to provide both linear and two-dimensional (2-D) bar coding on Military Shipping Labels (MSLs). This PROCLTR implements guidance in J-373 memorandum dated April 21, 2003 (Attachment 2).

A new contract clause, Military Shipping Label (MSL) Requirements – MIL-STD-129P, is added at DLAD 52.211-9010. This clause applies to stock buys in addition to Direct Vendor Deliveries (DVDs). The clause at DLAD 52.211-9008, Bar Coding Requirements for Direct Vendor Delivery (DVD) Shipments – DD Form 250/250c/Commercial Packing List, is revised to clarify that it requires linear bar codes only; and to include a reference to ISO/IEC-16388, which has replaced AIM BC1. The name of the clause is changed to clarify that it applies only to the packing list. Existing guidance at 11.290 did not change in content but has been reformatted to accommodate the addition of the new clause. New guidance at DLAD 12.301(f)(102) authorizes use of both clauses in acquisitions of commercial items conducted using FAR Part 12.

In order to allow a reasonable time for Defense Logistics Agency (DLA) suppliers to become compliant with MIL-STD-129P, the attached DLAD guidance will not take effect until February 17, 2004. In the interim, each buying activity shall issue the following notice in FedBizOps, Procurement Gateway, and other appropriate venues to publicize the new requirements:

“This is to advise that effective February 17, 2004, solicitations issued by the Defense Logistics Agency (DLA) will include the requirements of MIL-STD-129, Revision P, dated December 15, 2002. Revision P is the latest version of MIL-STD-129 and establishes significant new requirements for DOD contractors that ship packaged materiel to the Government to provide both linear and two-dimensional (2-D) bar coding on Military Shipping Labels (MSLs). Linear Code 3 of 9 or Code 39 bar codes will continue to be required on interior packages (unit and intermediate packages) for the National Stock Number (NSN) and, when applicable, the serial number; and on shipping containers for the NSN, Contractor and Government Entity (CAGE) Code, contract number and, when applicable, the serial number. The new requirements will not



apply to delivery orders when the basic contract has not been modified to require MIL-STD-129P. The new MSL replaces former DD Form 1387 and is illustrated in Figures 2a and 2b of MIL-STD-129P. The MSL requires Code 3 of 9 or Code 39 linear bar codes for the Transportation Control Number (TCN), piece number and DOD Activity Address Code (DODAAC) for the ultimate consignee or mark-for address. The 2-D bar code on the MSL must contain the document (requisition) number, NSN, Routing Indicator Code (RIC), Unit of Issue, Quantity, Condition Code, and Unit Price, which are ordinarily included on the DD Form 250 or the DD Form 1348-1A. MIL-STD-129P provides numerous illustrations of what must be bar-coded and the recommended placement of the bar code. When a contract omits any data element required to be bar-coded, the field shall be zero-filled. The DLA Packaging Web Site (<http://www.dscc.dla.mil/offices/packaging/specstdslist.html#STDs>) provides links to MIL-STD-129P, sources for conforming labels, and related information. Questions about these new requirements may be directed to *[insert local point of contact]*.”

Free software to generate labels and other information concerning the new MSL requirements have been made available on-line from several sources. These sites are currently undergoing Government testing to ensure consistency with MIL-STD-129P requirements. Once the testing is complete, J-3731 will identify the conforming on-line sources of labels to the Webmaster for inclusion on the DLA Packaging Web Site.

Although in some cases it will be impossible to avoid modifying work in progress or existing awards, the following guidance is provided to minimize this occurrence:

1. DLA is in the process of implementing the Distribution Planning and Management System (DPMS), which will provide in-transit visibility of shipments of materiel purchased by DLA from contractors. Vendors that are scheduled to begin participating in DPMS on or before February 16, 2005, will be in compliance with MIL-STD-129P when they use the DPMS capability to generate an MSL. (Vendors must download and print the label, and affix the label to the shipment.)
2. Solicitations issued before February 17, 2004, need not be modified, if the total contract period is not expected to exceed 12 months.
3. Existing contracts need not be modified, if the final expiration date is not later than February 16, 2005.
4. Long-term contracts must be modified to include the new marking standards specified in MIL-STD-129P if the final expiration date is after February 16, 2006. Long-term contracts must be considered for modification if the final expiration date is after February 16, 2005.

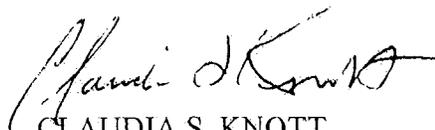
On February 17, 2004, the DLA Systems Integration Office (DSIO-MS) will implement a systems change to SAMMS to revise the marking statement that appears on the schedule page in solicitations and awards (see below). This language updates the language in J-373 memorandum

dated April 21, 2003, and J-3731 will revise the Systems Change Request (SCR) accordingly. (The J-3731 Business Systems Modernization (BSM) Process Owner will also ensure that an SCR is submitted to Accenture, updating SAP to reflect the new MIL-STD-129P requirements in solicitations and awards issued under BSM.)

FOR ALL SHIPMENTS OF PACKAGED MATERIEL TO THE GOVERNMENT, WHICH INCLUDES EITHER DEPOT (DLA-DIRECT) OR DVD (CUSTOMER-DIRECT) SHIPMENTS, BOTH DOD LINEAR AND 2-D BAR CODE MARKINGS ARE REQUIRED ON MILITARY SHIPPING LABELS IN ACCORDANCE WITH MIL-STD-129, REVISION P, DATED DECEMBER 15, 2002. 2-D BAR CODING SHALL BE IN ACCORDANCE WITH ISO/IEC 15438, ISO/IEC 15434 (ANSI MH10.8.3) AND DOD 4500.9-R. MSL LINEAR (CODE 3 OF 9 OR CODE 39) BAR CODING SHALL BE IN ACCORDANCE WITH ISO/IEC 16388. MSL LABEL STOCK QUALITY SHALL MEET MIL-PRF-61002. MSL BAR CODE PRINT QUALITY SHALL MEET ANSI MH10.8-2000 OR ANSI X3.182-1990 (R2000) FOR APPLICABLE 2-D AND/OR LINEAR BAR CODES. ALL DVD SHIPMENTS SHALL MEET ADDITIONAL LINEAR BAR CODING REQUIREMENTS IN DLAD 52.211-9008. WHEN THE CONTRACT/ORDER OMITTS ANY DATA ELEMENT REQUIRED TO BE BAR-CODED, THE FIELD SHALL BE ZERO-FILLED. THESE REQUIREMENTS DO NOT APPLY TO DELIVERY ORDERS WHEN THE BASIC CONTRACT HAS NOT BEEN MODIFIED TO REQUIRE MIL-STD-129P. IF THERE ARE INCONSISTENCIES BETWEEN THE SCHEDULE AND MIL-STD-129P, THE SCHEDULE TAKES PRECEDENCE.

A small number of DLA solicitations and awards issued in the fourth quarter of fiscal year 2003, prematurely included the requirement for MIL-STD-129P. The systems change has been pulled back by DSIO-MS, and we advised the DCMA Packaging Management Program Office (DCMA-OCT) that MIL-STD-129, Revision N continues to apply for DLA. DCMA-OCT advised its personnel not to issue a DD Form 1716, Contract Data Package Recommendation/Deficiency Report, for these awards. These contractors may provide 2-D bar codes at their option, as long as it is at no extra cost. DCMA-OCT also advised that the Defense Depots will not generate a Supply Discrepancy Report (SDR) for these awards due to omission of the 2-D bar coding.

This PROCLTR is effective immediately and expires upon incorporation of the attached coverage into the DLAD. The attached DLAD guidance is effective on February 17, 2004 and will be incorporated into the DLAD on that date. The point of contact for this PROCLTR is Ms. Anne Burleigh, J-3311, (703) 767-1358, DSN 427-1358, or e-mail anne.burleigh@dla.mil.


CLAUDIA S. KNOTT
Senior Procurement Executive

Attachments

APR 21 2003

REPLY
REFER TO J-373

MEMORANDUM FOR DISTRIBUTION

SUBJECT: MIL-STD-129P - Standard Practice for Military Marking for Shipment and Storage

The "P" revision of MIL-STD-129, dated December 15, 2002, establishes the requirement for DoD contractors to provide both linear and 2D bar coding on military shipping labels of packaged materiel. Each Defense Supply Center point of contact for packaging should already be working with their respective procurement counterparts to invoke MIL-STD-129P into your various master solicitation provisions for packaging and marking of contractor shipments. The Defense Supply Center Philadelphia Medical Directorate and Subsistence Directorate need to incorporate the 2-D bar coding requirement into Medical Marking Standard No. 1 and DSCP Form 3556 respectively, based upon the details contained in MIL-STD-129P. The authorized exceptions for package marking are those outlined in PROCLTR 03-03, dated February 26, 2003, bulk fuels and fresh fruit and vegetables. Marking requirements for all other commodities, however, must comply with both linear and 2D bar coding requirements as specified in MIL-STD-129P for all direct vendor delivery shipments to military activities and all deliveries to stock.

Code 39 linear bar codes will continue to be required on interior packages (unit and intermediate packs) for the NSN and, when applicable, the serial number. Code 39 linear bar codes will continue to be required on shipping containers for the NSN, CAGE, Contract Number, and when applicable, the serial number(s). There are many figures in MIL-STD-129P that illustrate what must be bar coded and its recommended placement location.

The new Military Shipping Label (MSL) replaces the former DD Form 1387, and is illustrated in Figures 2a and 2b of MIL-STD-129P. The MSL requires code 39 linear bar codes for the TCN, piece number, and DoDAAC for the ultimate consignee or mark-for address. The 2-D bar code on the MSL must contain the document (requisition) number, NSN, RIC, Unit of Issue, Quantity, Condition Code, and Unit Price, which are ordinarily included on the DD Form 250 or the DD Form 1348-1A.

The DLA Systems Integration Office has been requested to modify the marking statement that currently appears in your master solicitation provisions to read as follows:

DOD LINEAR AND 2D BAR CODE MARKINGS ARE REQUIRED IN ACCORDANCE WITH MIL-STD-129P, DATED DECEMBER 15, 2002 ON MILITARY SHIPPING LABELS. 2-D BAR CODING WILL BE IN ACCORDANCE WITH ISO/IEC 15434 AND ISO/IEC.15418. LINEAR BAR CODING WILL BE IN ACCORDANCE WITH ISO/IEC 16388. IN LIEU OF MIL-STD-129P, PARAGRAPH 4.5 REQUIREMENTS, ALL DVD



SHIPMENTS WILL BE BAR CODED WITH BOTH LINEAR AND 2-D BAR CODING. WHEN THE CONTRACT OMITTS ANY DATA ELEMENT REQUIRED TO BE BAR CODED, LEAVE THE FIELD BLANK.

MIL-STD 129P contains the most significant changes to package markings since the 1982 requirement that military shipping activities and contractors alike provide linear bar codes under the former LOGMARS program. As such, contractors may need additional lead time to develop the capability to provide the new MSLs with the 2-D bar coded information. Therefore, we recommend contractors be permitted at least 120 days from when you invoke the requirement to comply with MIL-STD-129P.

MIL-STD-129P and additional related information may be found on the DSCC Web Page at URL: <http://www.dsccl.dla.mil/offices/packaging/specstdslist.html#STDs>. Other information concerning the 2-D bar code standards and how to obtain free software may be found at www.asset-trac.com.

Our point of contact on this matter is Mr. Joseph C. Maloney, Jr., J-3732, DSN 427-3673



JOSEPH F. LAHUE, Col, USAF, Chief
Distribution Management Division
Distribution and Reutilization Directorate

MIL-STD-129P
w/Change 2

4.2 Address markings. Military (DoD) and contractor- or vendor-originated address markings, to include the military shipping label (MSL) and respective bar code symbols, shall be as specified in DoD 4500.9-R, Part II and as summarized herein. The preferred location for applying address markings to shipping containers is shown in the figures in this section. Exact placement of MSLs may vary slightly from those shown.

4.2.1 Military (DoD) and contractor- or vendor-originated address markings (see Figures 2a and 2b). Unless specifically exempted in the contract, DoD and contractor- or vendor shipping activities will apply address markings using a bar coded MSL. This includes shipments moving within CONUS or OCONUS, from CONUS to OCONUS, or conversely from OCONUS to CONUS.

4.2.2 Military Shipping Label (MSL) (see Figures 2a and 2b). The MSL will be completed in accordance with 4.2.2.5 and attached in accordance with 4.3.2.

MIL-STD-129P
w/Change 2

- a. The MSL will include clear-text entries applicable to the shipment.
- b. The MSL will include linear (Code 39) bar code symbols formatted in accordance with this standard in reference to ISO/IEC 16388. Three linear (Code 39) bar codes are required including the Transportation Control Number (TCN), piece number without leading zeros, and Ultimate Consignee /Mark For DoDAAC.
 - (1) Deleted.
 - (2) Deleted.
 - (3) Deleted.
 - (4) Deleted.
- c. The MSL will include a 2D (PDF417) symbol in accordance with ISO/IEC 15438, formatted in accordance with 4.2.2.6 and Table IV of this standard, with reference to DoD 4500.9-R, Part II. The 2D (PDF417) symbol will contain Table IV specified human readable information from the printed MSL, Table IV specified DoD 4500.9-R, Part II, TCMD data (only selected data), and Table IV specified line item supply data (DD Form 1348-1A or requisition information). The applicable 2D (PDF417) symbol Data Identifier (DI) formats can be found in Table IV of this standard. ISO/IEC 15434 and ANSI MH10.8.2 are the references for Table IV.
 - (1) The 2D (PDF417) symbol shall contain the clear-text information on the MSL as provided for in 4.2.2.6. For contractor or vendor shipments, the TCMD information, when required, shall be coordinated between the contractor or vendor and the contracting office or administrative contracting office, per the FAR 47.305-10 and the DFARS 247.305-10 and 247.371, and applied by the contractor per FAR 52.247-52. The TCMD may contain coded information that shall be converted to in-the-clear text for printing on the MSL, for example, deletion of leading zeros from pieces, weight, cube, length, width, height, TCMD data, and conversion of alpha numeric pieces, weight, cube, and TCMD codes to numeric digits. Each shipment unit in a unitized load shall be marked with a 2D (PDF417) MSL.
 - (2) The 2D (PDF417) symbol line item supply data for MILSTRIP transactions is sourced from DD Form 1348-1A information as noted in Table IV. The MSL 2D (PDF417) symbol on each piece of a shipment unit will have the same line item information. For contractor or vendor shipments, this information, as available, and the DFARS 247.305-10 minimum requirements, shall be coordinated between the contractor or vendor and the contracting office or administrative contracting office. For non-MILSTRIP transactions, the available information will be limited. Ammunition shipments may also include DODIC and lot number information. For factors that determine the amount of available data to be recorded on the 2D (PDF417) symbol, see 4.2.2.6c.

MIL-STD-129P
w/Change 2

4.2.2.1 MSL size. The recommended size for the MSL is 4 inches by 6 inches. The labels and bar codes in the figures have been reduced in size for ease of publication.

4.2.2.2 MSL stock quality. The quality of the MSL will be such that labels are suitable for ink printing without feathering or spreading. The MSL must withstand normal handling and shipping conditions and remain securely in position. For general bar code label requirements see 5.1.2. For HAZMAT label requirements see Title 49 CFR.

4.2.2.3 MSL format. The in-the-clear data and bar code entries shall meet required standards and shall comply with 4.2.2.4 through 4.2.2.8 and Table IV detailed format requirements. The in-the-clear data and linear (Code 39) bar code HRI shall be easily human readable. The linear (Code 39) bar codes and the 2D (PDF417) bar code symbol shall be easily machine readable. A specific MSL format is not required except for the location of the TCN (see 4.2.2.4c). Since various commodities shipped have unique data requirements, different data content will be printed on the MSL, such as for generic cargo and unit move shipments. The MSL format shall retain the applicable block titles associated with the data content (see 4.2.2.5). Figures 2a and 2b show examples of acceptable MSL formats that may be used as guidelines in producing a label. ANSI MH10.8.1 is the referenced standard for developing a DTR compliant MSL.

MIL-STD-129P
w/Change 2

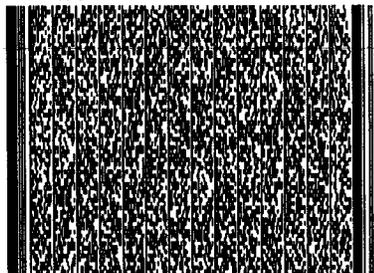
TCN SW81238350D001XXX			
			
From SW8123 In-the-clear Address 3 Lines Max, 35 Characters Per Line XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX		TAC / Type Service / Postage SZZZ Frt LTL	
Piece 1 Of 1	Weight (lb.) 7760	Date Shipped 1090	RDD 999
	Cube (ft.) 385	Project 9BU	Priority 1
Ship To / POE DOV In-the-clear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

FIGURE 2a. Generic Cargo.

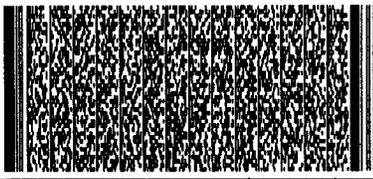
TCN AWS1EAA\$0D00340XX			
			
Equipment Description HELICPR CARGO MH-60K		Serial Number / Package ID 123456789012	
Model 12345ASDFG	Bumper Nm HQ-123	ULN 1234567	UIC WS1EAA
From AWA2UC In-the-clear Address 3 Lines Max, 35 Characters Per Line XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX		NSN 123456789012345	
Piece 1 Of 1	Weight (lb.) 14000	Length (in.) 12345	TAC YZZZ
	Cube (ft.) 1200	Width (in.) 12345	Project 9BU
	Height (in.) 12345	RDD 999	
Ship To / POE DOV In-the-clear Address 5 Lines Max, 35 Characters Per Line Abcdefg Hijklmno Pqrstuv Wxyz Abcdefg Hijklmno Pqrstuv Wxyz XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX			
POD RMS	MSL / TCMD / Unit Move Information 		
Commodity/SH VD			
W44TYH 		Ultimate Consignee / Mark For Consignee Ultimate / Mark For Consignee Address 5 Lines Max, 35 Characters Per Line Abcdefg Hijklmno Pqrstuv Wxyz Abcdefg Hijklmno Pqrstuv Wxyz XXXXXXXXXX1XXXXXXXXXX2XXXXXXXXXX3XXXXX	

FIGURE 2b. Unit Move.

(Recommended label size is 4 inches by 6 inches).

FIGURE 2c. MSL with Express Service bar codes. Deleted.

MIL-STD-129P
w/Change 2

4.2.2.4 Completing the MSL for address marking. The MSL shall be completed as follows to include in-the-clear text or descriptive information, linear (Code 39) bar codes with HRI, and a 2D (PDF417) symbol.

- a. Linear (Code 39) bar code labels or 2D (PDF417) symbol labels with HRI may be affixed to the MSL as an alternative to direct printing on the MSL.
- b. Data identifier (DI) codes shall not be used in conjunction with the linear (Code 39) bar codes.
- c. The MSL unique transport unit identifier shall be the TCN and it shall be encoded and printed as the uppermost bar code on the top of the label. Information on TCN construction for the various types of shipments is detailed in DoD 4500.9-R, Part II, Cargo Movement, Appendix L.
- d. Linear (Code 39) bar codes or 2D (PDF417) bar code symbols shall not be positioned in the same linear plane and the label layout should provide as much vertical spacing as available between the bar code symbols to reduce the possibility of scanning interference.
- e. The text for all entries, except as noted below, shall be no smaller than 10 lines per 1 inch (approximately a 7 point font). The preferred font size is 10 to 14 points.
 - (1) The "Ship To" address character height shall be no smaller than the "From" address character height and should be distinctive in appearance, for example, larger, bolder, different color, etc. The "Ship To" address shall be located below or to the right of the "From" address.
 - (2) The transportation priority numeral shall be bold text and shall be 3/4 inch high (approximately a 72 point font).

4.2.2.5 Data content of the MSL (see Figures 2a and 2b). The data content of the MSL and the instructions for completion are summarized below.

- a. The MSL shall contain the following information:
 - (1) TCN. Enter the 17-character (alphanumeric) TCN using a 1/2-inch-high linear (Code 39) bar code with HRI as the uppermost bar code on the top of the label. For consolidated shipments, place a lead TCN in this block. The lead TCN shall not duplicate any internally packed TCNs.
 - (2) Transportation Account Code (TAC)/Postage. Enter the TAC or the postage data. For other than mail shipments, enter the TAC applicable to shipments moving from POE to POD, otherwise leave blank. For mail shipments, use one of the following:
 - (a) For metered mail, attach the stick-on metered postage values to or near this block.

MIL-STD-129P
w/Change 2

- (b) For permit imprint mail, enter the appropriate service/agency mail authorization.

Example: First Class Mail
Postage and Fees Paid
Defense Logistics Agency
Permit No. G-53

- (3) From. Enter the Consignor DoDAAC/CAGE and in-the-clear address (up to 3 lines of 35 characters) of the shipping activity. For mail include the ZIP code.
- (4) Type Service. In-the-clear text (for example, Frt LTL, Air Expss, Expss Mail, TGBL UB, DPM HHG) for the type of transportation service to the "Ship To" address. The in-the-clear text may be derived from the TCMD Mode/Method code for the Generic Cargo MSL. Should be blank for unit move shipments.
- (5) Ship to/POE. Enter the three digit air/water Port of Embarkation (POE) code, if applicable, and an in-the-clear address (three characters and 5 lines of up to 35 characters).
- (6) Priority. Enter the applicable transportation priority (TP). TP 1, 2, 3, or 4 (deferred air freight) should be clearly identified in the priority block of the MSL using bold text that is 3/4 inch high. Should be blank for unit move shipments.
- (7) POD. Enter three-digit air/water Port of Debarkation (POD) port designator, if applicable. In-the-clear location name may be included. Blank for classified unit move shipments. Blank for mail shipments.
- (8) Project Code. Enter project code, if applicable.
- (9) Ultimate Consignee/Mark For Consignee. Enter the in-the-clear complete address(s) (up to 5 lines of 35 characters) and the 1/2-inch-high linear (Code 39) bar code DoDAAC with HRI. Blank for classified unit move.
- (10) Weight (lbs). Enter actual gross weight (numeric value of this piece). Round to next whole digit and do not zero fill.
- (11) RDD. Enter the Required Delivery Date (RDD) code specified by the requisitioner, if appropriate. Blank for classified unit move.
- (12) CUBE (ft). Enter the actual cube (numeric value of this piece). Round to next whole digit and do not zero fill.
- (13) Charges. No known requirement. Leave Blank.

MIL-STD-129P
w/Change 2

- (14) Date Shipped. Enter an in-the-clear date (for example YDDD, YYYYDDDD, DD/MM/YY, or DD-MMM-YYYY. Blank for unit move. Do not use the Date Shipped Code from DoD 4500.9-R, Part II, Appendix RR.
 - (15) FMS Case Number. Enter as FMS case identifier as appropriate.
 - (16) Piece Number. Enter the piece number (numeric value assigned to this piece) of the cargo documented by the TCN for this shipment unit and a ½-inch-high linear (Code 39) bar code. Do not zero fill. Piece Number may be expressed as "Piece Number of Total Pieces" to save space on the label -- only the Piece Number has a linear (Code 39) bar code; the word "of" and the total number of pieces are not shown in the linear (Code 39) bar code.
 - (17) Total Pieces. Total number (numeric value) of pieces documented by the TCN for this shipment unit. Total Pieces may be expressed as "Piece Number of Total Pieces" to save space on the label -- the Total Pieces value is not shown in the Piece Number linear (Code 39) bar code. Do not zero fill.
 - (18) 2D (PDF417) symbol. Includes MSL in-the-clear text data, selected TCMD data, and selected supply/unit information per 4.2.2.6.
 - (19) Deleted.
 - (20) Deleted.
 - (21) Deleted.
- b. For Unit moves, in addition to the requirements in 4.2.2.6, data for the following elements, as applicable, shall be shown on the MSL:
- (1) Unit Line Number (ULN)
 - (2) Length, Width, Height (this piece)
 - (3) Unit Identification Code (UIC)
 - (4) Commodity/Special Handling Code (air or water)
 - (5) Vehicle Serial Number
 - (6) Equipment Description
 - (7) Bumper Number (Army/Navy only)
 - (8) Model Number (Army/Navy only)
- c. Additional information. Optional marking includes equipment serial number, NSN, and commercial tracking number and/or bar code.

MIL-STD-129P
w/Change 2

- d. Local Processing Data. Shippers may add local internal processing information to the label, such as DLA distribution information, as long as it is clearly marked and does not interfere with the orientation and placement of MSL data. Additional data may be required by the contract or added based on trade agreements.

4.2.2.6 MSL 2D (PDF417) symbol coding requirements. Each MSL 2D (PDF417) symbol shall contain the data elements from the applicable figure in Table IV for encoding MSL text, TCMD data, and supply line item information.

- a. The data elements include MSL information, header TCMD data (T_0 through T_3) and the respective trailer data (T_5 through T_9) for the labeled shipment unit, and the line item contents of the single shipment unit for generic cargo. Table IV-A provides data descriptions, format, and data sources for the ANSI MH10.8.2 DIs used in the 2D (PDF417) symbol and for the data element identifiers (DEI) that identify DOD unique data elements from DoD 4500.9-R and DoD 4000.25-1-M. Tables IV-B and IV-C provide the content of the data streams for sustainment cargo and unit move MSLs.
- b. All shipment unit data and line item data in the MSL 2D (PDF417) symbol replicates data from the three sources noted below. If the data is available and a corresponding DI or DEI is shown in the applicable Table IV-B or IV-C, the data shall be entered into the 2D (PDF417) symbol. Blank data fields are not to be encoded. When multiple sources for a data element are identified, the sources are prioritized as follows (TCMD source has priority if it exists):
 - (1) Source 1: Header TCMD data. Format 07 DEI 34 (Table IV-A) shall be used to identify the Document Identifier Code of header TCMD data being documented in the 2D (PDF417) symbol.
 - (2) Source 2: Supply documentation (DD Form 1348-1A bar code data) or contract data for each supply line item packaged within the shipment unit.
 - (3) Source 3: Shipment information entered in-the-clear on the MSL.
- c. The MSL 2D (PDF417) symbol can only contain limited amounts of data (about 1,000 characters). The following factors shall be considered when determining the amount of available data to record in the 2D (PDF417) symbol.
 - (1) A consolidated shipment unit containing multiple internal shipment units shall be documented by encoding only the header TCMD data and its respective trailer TCMD information. The MSL 2D symbol shall not be populated with TCMD information from the internal shipment units. Each shipment unit in a unitized shipment must be marked with a 2D (PDF417) MSL. The MSL 2D (PDF417) symbol does not contain enough capability to consistently record the internal shipment unit prime TCMD data (T_4) and the respective trailer data.

MIL-STD-129P
w/Change 2

- (2) The 2D (PDF417) symbol for a consolidated shipment unit of multiple shipment units, or a mix of line items and multiple shipment units, shall not contain any line item information and shall be marked with an in-the-clear text message that shall be entered at the bottom of the 2D (PDF417) symbol stating "NO LINE ITEM DATA" and it shall be entered into the Format 07 DEI 35 (free text comment) area of the MSL 2D (PDF417) symbol for reprinting purposes. If line item data is still desired for a shipment, it should be included on an alternate form of high capacity AIT media.
 - (3) It may not be possible to document the supply line items of an entire multipack or consolidated shipment. If the AIT media can't store all of the line item data required to document the shipment unit, the line item information shall be eliminated from the 2D (PDF417) symbol. An in-the-clear text message shall be entered at the bottom of the 2D (PDF417) symbol stating "NO LINE ITEM DATA" and it shall be entered into the Format 07 DEI 35 (free text comment) area of the MSL 2D (PDF417) symbol for reprinting purposes.
 - (4) In order to provide space for multiple line item supply data in the 2D (PDF417) symbol of the Generic Cargo MSL, the in-the-clear address data shall only be printed in the 2D (PDF417) symbol of a Generic Cargo MSL for single line item shipments or when no line item data is printed in the bar code. Most multi-piece shipments derive from a single line item document; therefore, the addressing data will usually be available in the 2D (PDF417) symbol for reprinting MSLs when a transshipper needs to split a multi-piece shipment. The in-the-clear address data shall be printed in the 2D (PDF417) symbol of the Unit Move MSL.
- d. When an MSL 2D (PDF417) symbol is generated in accordance with Table IV-B (Generic Cargo) or Table IV-C (Unit Move), it does not need to include DIs that are blank. Metric units of measure may be used in the 2D (PDF417) symbol for selected DIs/DEIs as noted in Table IV-A.

4.2.2.7 MSL bar code symbol printing standards (see Figures 2a and 2b). The three linear bar codes and 2D (PDF417) symbol shall be printed in accordance with this standard with reference to ANSI MH10.8.1, ISO/IEC 16388, and ISO/IEC 15438 for further explanation. ISO/IEC 15416 defines print quality for linear bar codes. ISO/IEC 15415 defines print quality for two-dimensional symbols. Printed symbols will conform to "B" quality standards as defined in the appropriate standard. The requirements are summarized as follows:

- a. Linear (Code 39) bar codes.
 - (1) The minimum bar height shall be 1/2 inch.
 - (2) The minimum narrow element dimension (X-dimension) shall not be less than 0.01 inch.

MIL-STD-129P
w/Change 2

- (3) The wide to narrow ratio of the elements should be 3:1. The measure ratio shall be between 2.4:1 and 3.2:1.
- (4) The leading and trailing quiet zones shall be not less than 0.25 inches.
- (5) The linear bar codes should be presented on shipment units with the bar codes horizontal (picket fence orientation). See paragraph 4.3.2.4 for cylinder applications.
- (6) The label should be designed so that two bar codes and/or symbols are not in the same linear plane unless the label is wide enough to reduce the possibility of interference with successful bar code and/or symbol scanning.
- (7) The quality of the printed bar code shall meet a grade requirement of 2.5 (B) at the point of production when measured in accordance with ISO/IEC 15416 with a measurement aperture of 0.25 mm and an inspection wavelength of 660 ± 10 nm.

b. 2D (PDF417) symbol. For technical details, see Table IV.

4.2.2.8 Human readable interpretation (HRI). The HRI of the TCN, piece number, and consignee DoDAAC should appear above, below, or in line with the linear bar code. When in line, a 0.25 inch quiet zone shall be provided.

4.2.3. DoD shipments sent through the U.S. Postal Service and commercial parcel services (Fed-Ex). Shipments originated by DoD activities and sent through the U.S. Postal Service and by commercial parcel services must comply with the U.S. Postal Service domestic mail and commercial carrier requirements.

4.3 Placement of identification and address markings.

4.3.1 Placement of identification markings on unit packs and intermediate containers (see Figure 1). Identification markings on unit packs and intermediate containers shall be so located as to allow the markings to be easily read and to ensure that the markings will not be destroyed when the pack or container is opened for inspection or until its contents have been used. The marking surface of a unit pack shall be the outermost wrap, bag, or container of the unit pack. When a barrier bag is used within another unit container, both the bag and the outermost container must be marked. Bundled items should be marked with a tag or by affixing a paper label under one of the bundled ties. The required markings should be placed so that they are not obscured by any strapping or closure tape.

MIL-STD-129P
w/Change 2

4.3.2 Placement of identification and address markings on exterior shipping containers and unpacked items (see Figures 3 thru 14).

- a. The exact location of the identification markings may vary slightly. They shall be applied to the upper left two-thirds of the side of the container having the greatest overall, usable marking surface. Specific requirements for the placement of the identification markings on various containers are discussed in the following paragraphs. The required markings shall not be obscured by cleats, strapping or closure tape. Unless otherwise specified in the contract or solicitation or when required by the carrier, such as parcel post, one end and the top and bottom of every external container shall be free of markings. Marking materials used shall meet the requirements specified in Section 5. Unless otherwise specified by the cognizant activity, the size of the identification marking lettering shall be as specified in 5.1.9.
- b. Address labels should be affixed at a suitable location where there is minimum risk of damage and in accordance with the provisions of 4.3.2. If a label location is not specifically identified in this standard, shippers are referred to ANSI MH10.8.1 for additional guidance.
 - (1) Required address markings shall be placed on the identification-marked side of exterior shipping containers. If a container is too small to accommodate the address markings on the identification-marked side, the address markings/label shall be applied on the opposite side or attached to a paper shipping tag (see 5.1.3) or marking board/panel (see 5.1.8). When the surface of the shipping container or material such as pipe, steel, or wood does not lend itself to direct application of the MSL, or the MSL obscures other required markings on a shipping container, the label shall be attached to a paper shipping tag, marking board or marking panel. The tag shall be large enough to accommodate the label without folding. Separate tags shall be used for identification and address markings.
 - (2) Stencil marking alone is not an appropriate alternative for address marking of shipments because stenciling cannot accommodate the bar code requirements.

4. GENERAL REQUIREMENTS

4.1 Identification markings. Figure 1 shows an example of the content and approximate placement of the identification markings on unit packs and intermediate and exterior containers. Unless specifically exempted in the contract or solicitation, these markings shall be applied to all DoD and contractor- or vendor-originated shipments. Marking materials, methods and size of markings should comply with 5.1. The exact placement of identification and bar code markings on specific containers may vary in configuration and format from those shown in the figures. Ammunition and explosives shall be marked as specified in 5.6 of this standard or as specified by the contract or solicitation. Hazardous items shall be marked with identification markings as specified herein and in 5.5. Bar code markings are required as specified in 4.4.

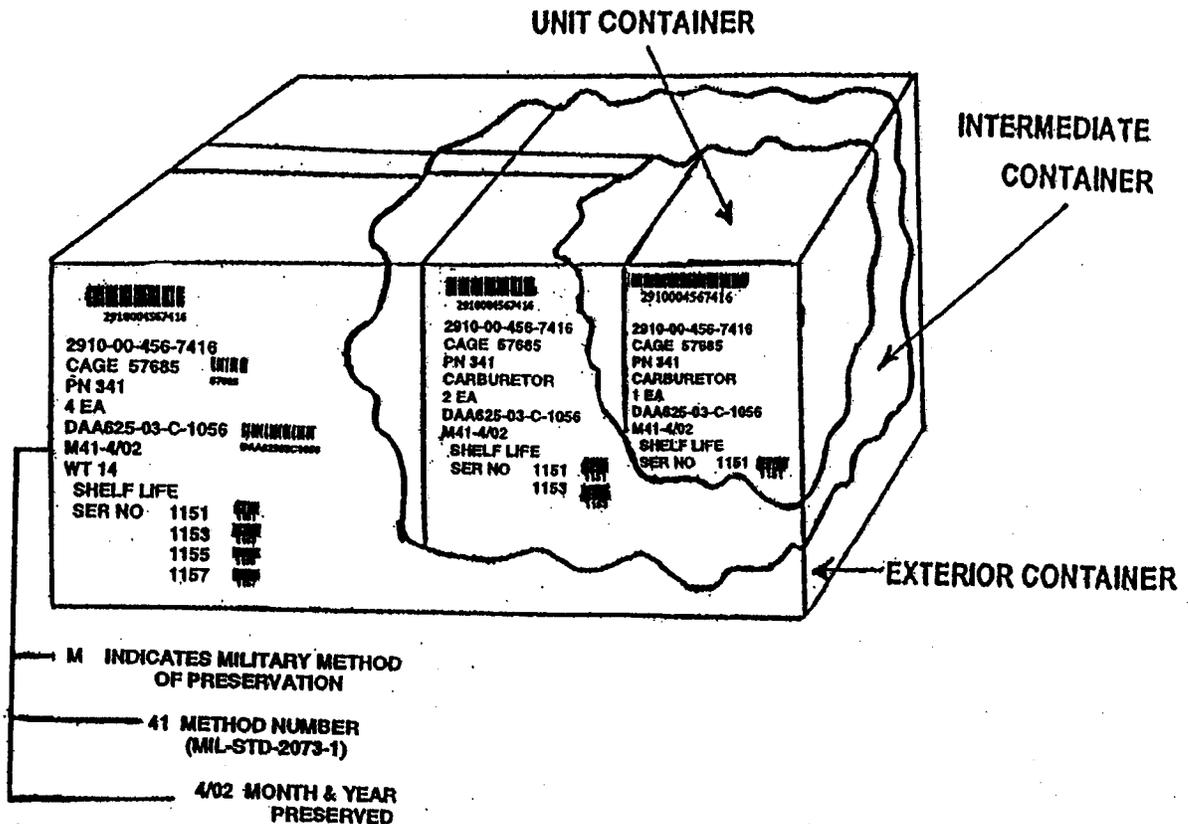


FIGURE 1. Example of unit pack, intermediate and exterior container identification markings (including an example of bar code markings).

MIL-STD-129P
w/Change 2

are listed in Title 49 CFR, 172.101, latest revision, and in AFMAN 24-204/TM 38-250/NAVSUP PUB 505/MCO P4030.19/DLAI 4145.3, Attachment 4. NA numbers are not authorized for international shipments. The applicable international modal document shall be used to determine the UN PSN and identification number for international shipments.

5.5.3 Marking and labeling of multipacks containing HAZMAT. When a multipack contains HAZMAT, the PSNs, with applicable ID numbers, shall be marked on each applicable container in the multipack. They shall also be listed on the identification-marked side of the multipack. Applicable HAZMAT classification warning labels for each class of material contained in the multipack shall also be applied on the outside surface.

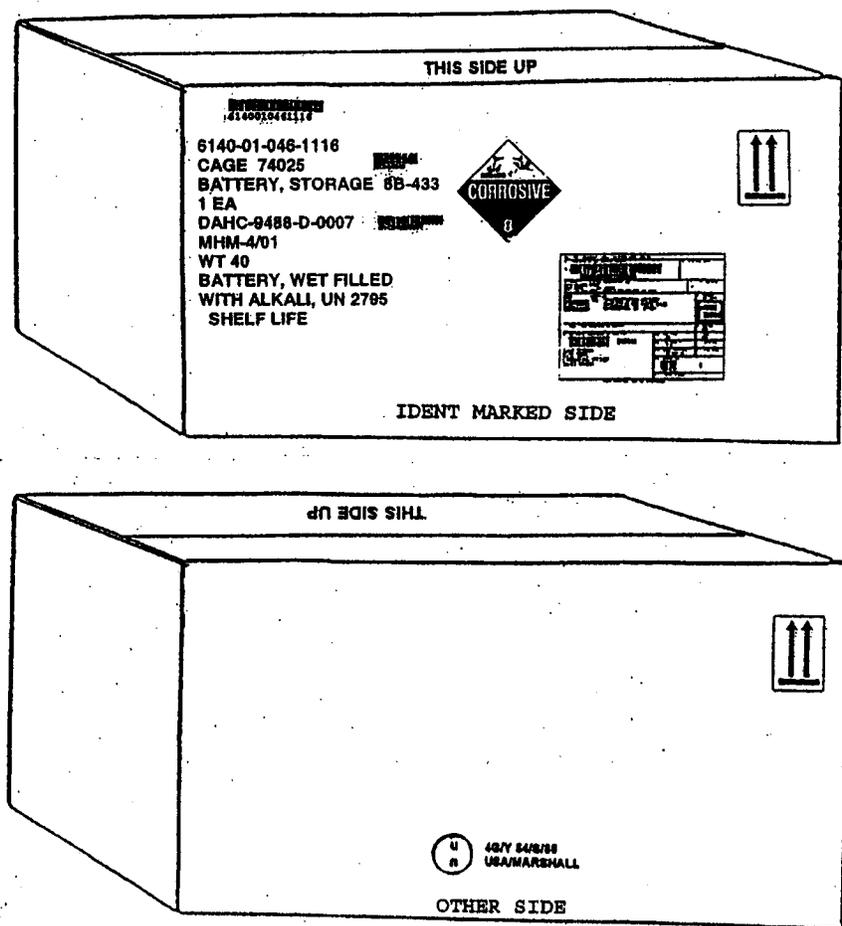


FIGURE 40. Example of exterior container HAZMAT marking and labeling requirements.

DSCR

DLA's Lead Center For Aviation Support

DEFENSE SUPPLY CENTER RICHMOND

MASTER SOLICITATION

Fiscal Year 2004

TABLE OF CONTENTS

FOREWORD**✓SECTION 1 - CLAUSES, PROVISIONS AND NOTICES ✓****SECTION 2 - QUALITY ASSURANCE PROVISIONS (QAPs)****SECTION 3 - FORM P41 GENERAL SHIPPING INSTRUCTIONS****SECTION 4 - PROCUREMENT AUTOMATED CONTRACT EVALUATION (PACE) PURCHASES****SECTION 5 - CONTRACT DATA REQUIREMENTS LIST (CDRL) DD FORM 1423****✓SECTION 6 - SPECIAL PACKAGING INSTRUCTIONS (SPI) ✓****SECTION 7 - INDIVIDUAL REPAIR PARTS ORDERING DATA (IRPOD)**

October 07, 2003

Webmaster

Section D - Packaging and Marking

CLAUSES INCORPORATED BY FULL TEXT

(D4K) 52.211-9G73 PACKAGING AND MARKING REQUIREMENTS (JUL 2002) DSCR

(a) Unless stated otherwise, commercial packaging in accordance with ASTM-D-3951 is required for CONUS shipments from the contractor directly to the customer. Commercial packaging and marking is not sufficient for vendor shipments requiring movement through the Defense Transportation System (also referred to as the Military Distribution System or DLA Depot) as the shipment could ultimately be moved via Military Air.

(b) Higher level packaging in accordance with MIL-STD-2073 is mandatory for all shipments that meet the below criteria:

Movement through the Defense Transportation System including shipments to a Military Distribution facility or depot.

OCONUS shipments

FMS shipments

Hazardous material, as cited in the AID or in the Quality Requirements Matrix.

(c) Materials not considered as HAZMAT for CONUS or OCONUS commercial air shipments may be considered HAZMAT for MILAIR shipments OCONUS. As such, contractors/shippers shall ensure that material meeting HAZMAT definitions in DLAI 4145.3, *Preparing Hazardous Materials for Military Air Shipment*, is packaged in accordance with that instruction when the consignee is OCONUS and the shipment will be moved through the Defense Transportation System. DLAI 4145.3 is available on the internet at: www.dsccl.dla.mil/downloads/packaging/dlai4145_3.pdf.

(d) All items shall be marked in accordance with MIL-STD-129. Hazardous items and shelf life items, as cited in the AID or in the Quality Requirements Matrix, shall be marked in accordance with MIL-STD-129 and the appropriate clauses cited in the appendix to the matrix and the contract. The contractor is required to package material in accordance with Quantity Unit Pack (QUP), specified in MIL-STD-2073 and the Unit of Issue (UI), specified in each delivery order. A packing slip shall be located in a plastic pouch on the outside of the package. For HAZMAT destined OCONUS, a hard copy of the Material Safety Data Sheet (MSDS) must also be included.

(e) In the event of deployments, this clause may be invoked when shipments originally destined for a CONUS location are diverted to OCONUS destinations thereby necessitating movement of the material through the Defense Transportation System. In such an event, contractors will be notified by the Contracting Officer and an equitable adjustment will be made in the contract price as deemed appropriate.

NOTE: Applicable to negotiated solicitations. Offers that do not comply with the packaging and marking requirements as specified in Section D of this solicitation may be subject to rejection as being technically unacceptable.

(End of Clause)

F8 52.211-9G22 DSCR PALLETIZATION FOR
MIL-STD-2073 IN ACCORDANCE WITH
D001450000 REVISION C (03290)
DSCR (NOV 2003)

(a) Palletization.

(1) When the total number of containers going to the same destination is 250 pounds or greater (excluding pallet) or a volume of 20 cubic feet or greater, then palletization IAW MIL-HDBK-774 is required.

(2) When the total number of containers going to the same destination is less than 250 pounds (excluding pallet) and is less than 20 cubic feet, then palletization is not required IAW MIL-HDBK-774.

(3) Except as otherwise provided in this clause, shipping containers shall be palletized IAW the guidance cited in MIL-HDBK-774 (formerly MIL-STD-147D). All references to MIL-STD-147D are covered in MIL-HDBK-774. Special palletization instructions may be further specified under other preparation for delivery instructions in this order/contract. In the case of any inconsistency between such special palletization instructions in the requirements cited in this clause, the special palletization instructions shall take precedence.

(4) All pallets shall be new and unused and shall be seasoned softwood or hardwood as required by the applicable pallet specification. Pallets required for use, shall conform to ASME MH1.8, Pallet, Material Handling Wood, Stringer Construction, 2-way and 4-way (partial), 40" deep by 48" wide, either soft-wood (preferred) or hardwood. Maximum weight of the load is 3,000 pounds. See Mil HDBK 774, Type 2 and 4 for examples of pallet construction.

NOTEUse of nonstandard commercial pallets is forbidden unless cited in the contract/purchase order.

(i) The following commercial heat treatment process has been approved by the American Lumber Standards Committee (ALSC) and is required for all Non-Manufactured Wood Packaging Material (NMWPM) entering a European country or destined for a Container Consolidation Point (CCP) or an aerial or water port of embarkation: All wooden pallets and wood containers produced entirely or in part of non-manufactured softwood species shall be constructed from Heat Treated (HT to 56 degrees Centigrade for 30 minutes) coniferous material and certified accordingly by an accredited agency recognized by the American Lumber Standards Committee (ALSC) in accordance with Non-manufactured Wood Packing Policy and Non-manufactured Wood Packing Enforcement Regulations both dated May 30, 2001. All wooden pallets and containers produced entirely of non-manufactured hardwood species shall be identified by a permanent marking of "NC," 1.25 inches or greater in height, accompanied by the CAGE code of the contracted manufacturer and the month and year of the contract. On pallets, the marking shall be applied to the

stringer or block on opposite sides and ends of the pallet and be contrasting and clearly visible. On containers, the marking shall be applied on a side other than the top or bottom, contrasting and clearly visible.

(ii) Oak and chestnut wood shall be bark free and square edged so that none of the natural rounded surface tissues remain, or be bark free and have a moisture content no greater than 20%. The contractor is responsible for performing an inspection of each shipment to assure compliance with this requirement.

(5) Unless otherwise specified in the contract or purchase order hazardous material containers, except cylinders and 55 gallon drums (see paragraph 5(i) thru (iv)), shall be palletized IAW Load Type VI of MIL-HDBK-774. Pallets used shall be as cited above. "Hazardous Material" for the purpose of this clause, means any material considered hazardous under the Department of Transportation Hazardous Material Regulations, 49 CFR 171-79, IATA, IACO, IMDG, unless otherwise specified.

NOTE Shrink wrap is not authorized for use with Hazardous Materials.

- (i) 55 gallon drums for domestic delivery shall be palletized 3 per pallet IAW with load type 3a bonding method G (stretch wrap) or 4 per pallet IAW load type VI of Mil HDBK 774 (placing an inverted wood cap under and over the load secured by metal strapping).
- (ii) 55 gallon drums for export delivery shall be palletized 4 per pallet IAW load type VI of Mil HDBK 774 (placing an inverted woodcap under and over the load secured by metal strapping).
- (iii) Cylinders for domestic delivery shall be palletized vertically IAW load type IX of Mil HDBK 774 or horizontally using metal strapping IAW HDBK 774 bonding method D (figure 56) and notched wood spacers (storage aid #25, figure 49) to assure the stability of the load.
- (iv) Cylinders for export delivery shall be Palletized (vertically) IAW load type IX of Mil HDBK 774.

(6) The use of stretch-wrap, shrink film or nonmetallic strapping for bonding is not authorized for "Export Shipments".

(7) Stretch-wrap, when utilized, shall be Accomplished mechanically with a (machine or hand held tool that based on the weight of items being palletized, maintains sufficient tension to assure secure bonding of the items to the pallet during transportation).

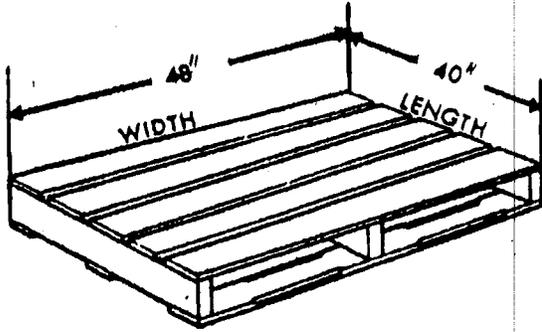
(8) Unless otherwise specified in the contract or Purchase order, all polyethylene/plastic containers for

domestic delivery with or without fiberboard over pack shall be palletized IAW load type 3a bonding method G (stretch wrap) or IAW Load "Type VI of MIL-HDBK 774 to ensure stacking support during transportation and storage. All polyethylene/plastic containers for export delivery with or without fiberboard over pack shall be palletized IAW Load Type VI of MIL-HDBK-774.

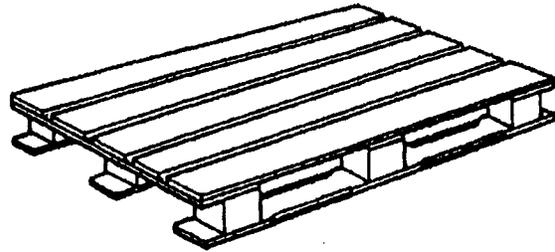
(b) Loading: Five-gallon tight head pails shall be Loaded on pallets IAW Load Type III or IIIA of MIL-HDBK-774, except that a triple layer or course may be used for a total not to exceed 42 pails.

(c) Unitization: Supplies that do not lend themselves to the use of MIL-HDBK-774 palletization due to size, weight, configuration, etc. shall be unitized by securely blocking, bracing, or anchoring the load on a skid base or commercial type pallet in a manner that assures safe delivery.

MIL-STD-147D

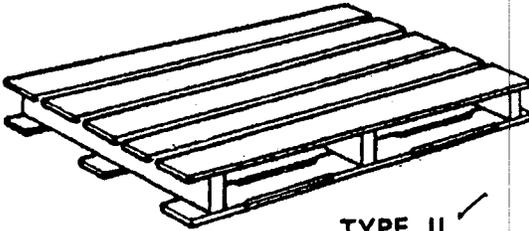


TYPE I (2-WAY ENTRY)

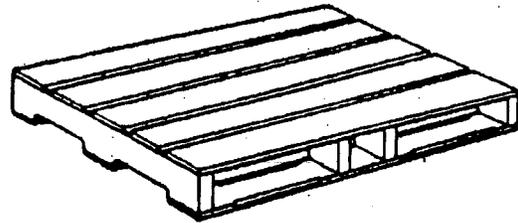


TYPE I (4-WAY ENTRY)

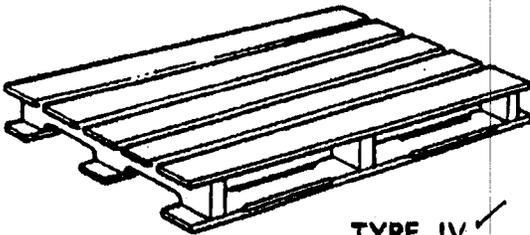
(See 4.2.6)



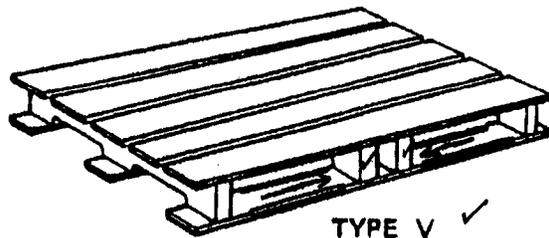
TYPE II ✓



TYPE III



TYPE IV ✓



TYPE V ✓

FIGURE 1. Types of pallets.

(See 5.2.6)

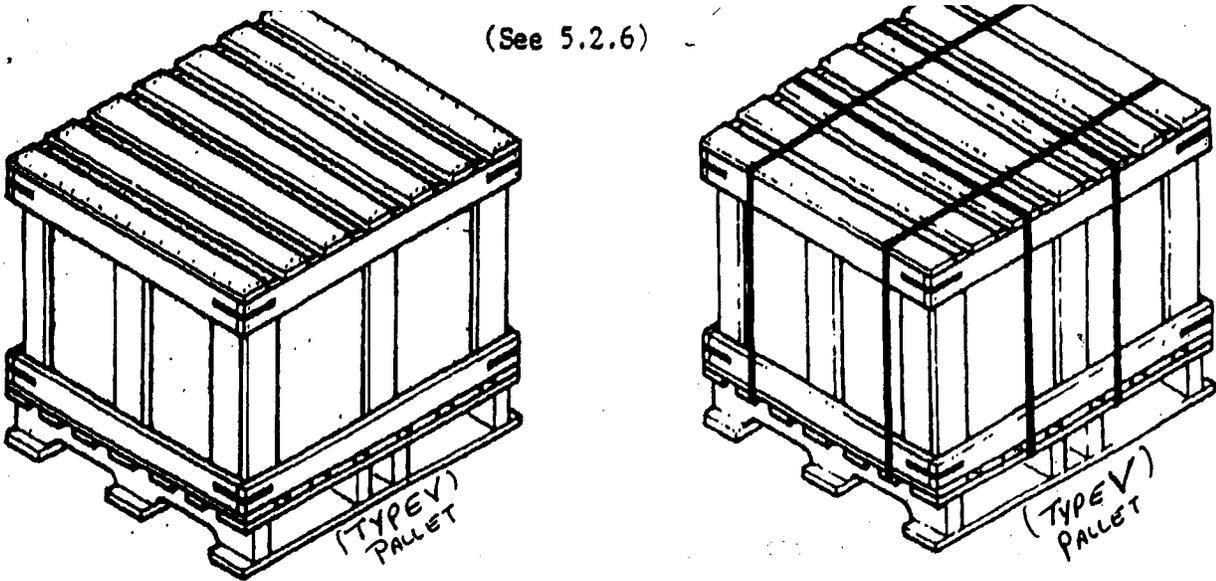


FIGURE 11. Load type VI (unstrapped and strapped).
(HAZMAT)

IAW MIL-HDBK-774 the amount of material to be loaded on a pallet should exceed 250 pounds (excluding the pallet) or a volume of 20 cubic feet. The maximum weight of a load for domestic, intercoastal, or overseas shipment shall not exceed 3,000 pounds per single pallet load. Shipments to NATO forces shall not exceed 2,500 pounds. Unless otherwise specified, these unit loads shall not exceed 43 inches in length, 42 inches in width, and 54 inches in height. Pallet load dimensions include the pallet, bonding, storage aids, and not merely to the stacked units. The top level surface of the pallet load shall be made level or made level for stacking purposes.



DEFENSE LOGISTICS AGENCY
HEADQUARTERS
8725 JOHN J. KINGMAN ROAD, SUITE 2533
FORT BELVOIR, VIRGINIA 22060-6221

J-33
IN REPLY REFER TO PROCLTR 02-17

DEC 24 2002

MEMORANDUM FOR PROCLTR DISTRIBUTION LIST

SUBJECT: Revision to Defense Logistics Acquisition Directive (DLAD) 47.305-1(c)(90)
Regarding European Union (EU) Restrictions Involving Non-Manufactured Wood
Packaging (NMWP) and Pallets

This PROCLTR supercedes PROCLTR 01-15. Revised guidance at DLAD 47.305-1(c)(90) clarifies marking requirements that must be met when wooden pallets and containers are used to ship materiel to Europe. The revised guidance also adds additional Defense Transportation System (DTS) entry points where these procedures apply. As stated in PROCLTR 01-15, these requirements are a result of the Commission of the European Communities (CEC) Emergency Measure that became effective October 1, 2001.

The attached DLAD guidance provides additional marking clarification for use in solicitations and awards where wooden pallets and containers may be used to ship materiel to U.S. forces and to Foreign Military Sales customers in Europe via freight forwarders. In addition to the DTS entry points previously identified in DLAD 47.305-1(c)(90), this guidance also applies to the Army Prepositioned Ship (APS 3) Upload Site in Charleston, SC (DODAAC: W81X89 and W81YUK), and the Marine Corps Blount Island Command in Jacksonville, FL 32226-3404. Solicitations and contracts must be amended or modified to reflect this requirement.

In the future, minor technical revisions to wood packaging and palletization guidance will be disseminated by posting on the Non-Manufactured Wood Packaging Material (NMWPM) web page, which can be accessed at <http://www.dsccl.dla.mil/Offices/Packaging/NMWPMnotice.html>. J-3311 will provide notice to the PROCLTR DISTRIBUTION LIST when such changes are made. The Defense Logistics Agency (DLA) contracting activities will be directed to obtain the new requirements from the web page, and to ensure the requirements are appropriately reflected in solicitations and awards. The DLAD guidance at 47.305-1(c)(90) will also be revised to reflect such changes. PROCLTRs will not be issued to implement minor technical and administrative revisions to this guidance in the future, unless the revision is determined to constitute a policy change.

To publicize the new dissemination policy, DLA activities will publish the following notice in FedBizOps and Procurement Gateway. The notice should be published indefinitely, until the NMWPM requirements have become a standard process and the EU restrictions have been finalized. The packaging guidelines are expected to continue to evolve until at least June 2003.

“Future Non-Manufactured Wood Packaging Material (NMWPM) requirements, interim revisions, and changes to DLAD 47.305-1(c)(90) regarding European Union (EU) restrictions involving NMWPM and pallets will be disseminated by posting on the DLA Packaging web site’s NMWPM web page: www.dsc.dla.mil/Offices/Packaging/NMWPMnotice.html. DLA organizations and contractors are instructed to review this web page for the latest revisions, illustrations, and guidance related to all DLA contractual packaging requirements for shipments to the cited locations (requiring NMWPM). Note that information on this website provides clarification and illustrations, but does not replace or supersede the terms and conditions that appear in solicitations and awards to invoke any applicable wood packaging and palletization requirements. Questions regarding changes in NMWPM requirements can be directed to: dlapackaging@hq.dla.mil.”

This PROCLTR is effective immediately and shall remain in effect until incorporated into the DLAD 4105.1. The point of contact for this PROCLTR is Mr. Joe Maloney (J-3732) at (703) 767-3673, DSN 427-3673, or e-mail: joe_maloney@hq.dla.mil.


for CLAUDIA S. KNOTT
Executive Director
Acquisition, Technical, and Supply

Attachment

PART 47

TRANSPORTATION

SUBPART 47.3 TRANSPORTATION IN SUPPLY CONTRACTS

47.305-1 Solicitation requirements.

© (90) Compliance with European Union (EU) Restrictions Involving Non-Manufactured Wood Packing (NMWO) and Pallets

The following requirement must be included in all solicitations and awards where wooden pallets and containers may be used to ship material to U.S. forces and for Foreign Military Sales customers in Europe, in order to comply with the Emergency Measure adopted by the Commission of the European Communities (CEC) that became effective on October 1, 2001. Membership in the CEC includes Austria, Belgium, Denmark, Finland, France, Germany, Greece, Italy, Luxembourg, Ireland, The Netherlands, Portugal, Spain, Sweden and the United Kingdom. This requirement includes all shipments moving through the Container Consolidation Points at the Defense Distribution Depots in Susquehanna, PA and San Joaquin, CA, the Container Freight Station in Norfolk, VA, **the Army Prepositioned Ship (APS 3) Upload Site in Charleston, SC (DODAAC: W81x89 and W81YUK), the Marine Corps Blount Island Command in Jacksonville, FL 32226-3404**, and the aerial ports of embarkation at Dover Air Force Base, DE; Travis Air Force Base, CA; Naval Air Station, Norfolk, VA; and Charleston Air Force Base, SC to the affected countries. **The Non-Manufactured Wood Packaging Material (NMWPM) web page contains the latest information on EU restrictions and related requirements, and is a valuable source of information. This web page can be accessed at <http://www.dsc.dla.mil/Offices/Packaging/NMWPMnotice.html>. When future changes of a minor technical or administrative nature are posted to this website, an e-mail will be sent to the PROCLTR Distribution List; and this DLAD coverage will be revised accordingly.**

The requirement may be added by incorporation into local palletization clauses, palletization sheets, packaging requirements, or the SAMMS/CTDF, as appropriate. At such time when the requirement is incorporated into MIL-STD-2073-1, its inclusion in local palletization clauses, packaging requirements, etc. will no longer be necessary for solicitations and awards that include MIL-STD-2073-1. Buying activities must continue to ensure this requirement is incorporated in solicitations and awards that do not include MIL-STD-2073-1 where wooden pallets and containers may be used to ship material to U.S. forces and Foreign Military Sales customers.

“All wooden pallets and wood containers produced entirely or in part of non-manufactured softwood species shall be constructed from Heat Treated (HT to 56 degrees Centigrade for 30 minutes) coniferous material and certified accordingly by an accredited agency recognized by the American Lumber **Standard Committee, Incorporated** (ALSC) in accordance with the latest revision of ALSC Non-manufactured Wood Packing Policy, and Non-manufactured Wood Packing Enforcement Regulations (see URL: <http://www.alsc.org>). All wooden pallets and containers produced entirely of non-manufactured hardwood species shall be identified by a permanent marking of “NC-US,” 1.25 inches or greater in height, accompanied by the CAGE code of the **pallet/container** manufacturer and the month and year of the contract. On pallets, the marking shall be applied to the stringer or block on **diagonally** opposite sides of the pallet and be contrasting and clearly visible. On containers, the marking shall be applied on a side other than the top or bottom, contrasting and clearly visible.”

47.305-3.1 F.O.B. origin solicitations. ***

Non-Manufactured Wood Packing Material Notice and FAQs

NOTICE TO DEFENSE SUPPLY CENTER VENDORS

Effective October 1, 2001, European countries are restricting shipments of material in or on Non-Manufactured Wood Packaging Material (NMWPM) (i.e., pallets, boxes, crates, etc.) that do not meet the following requirements adopted by the Commission of the European Communities (CEC):

All wooden pallets and wood containers produced entirely or in part of non-manufactured softwood species shall be constructed from Heat Treated (HT to 56 degrees Centigrade for 30 minutes) coniferous material and certified accordingly by an accredited agency recognized by the American Lumber **Standard Committee, Incorporated**(ALSC) in accordance with Non-manufactured Wood Packing Policy and Non-manufactured Wood Packing Enforcement Regulations (**see URL: <http://www.alsc.org>**). All wooden pallets and containers produced entirely of non-manufactured hardwood species shall be identified by a permanent marking of '**NC-US,**' 1.25 inches or greater in height, accompanied by the CAGE code of the **pallet** manufacturer and the month and year of the contract. On pallets, the marking shall be applied to the stringer or block on **diagonally** opposite sides and ends of the pallet and be contrasting and clearly visible. On containers, the marking shall be applied on a side other than the top or bottom, contrasting and clearly visible.

All contracts and orders where NMWPM may be used to ship material to U.S. forces and Foreign Military Sales customers in Europe are subject to these requirements. This includes all shipments moving through the Container consolidation Points at the Defense Distribution Depots in Susquehanna, PA and San Joaquin, CA, the Container Freight Station in Norfolk, VA, **Army Prepositioned Ship (APS 3) Upload Site in Charleston, SC (DODAAC: W81X89 and W81YUK), and the Marine Corps Blount Island Command in Jacksonville, FL 32226-3404**, and the aerial ports of embarkation at Dover, DE; Travis Air Force Base, CA; Naval Air Station, Norfolk, VA; and Charleston Air Force Base, SC to the affected countries.

The following are NMWPM Frequently Asked Questions (FAQs) we have recently received. If you have any other questions, please contact our office at (614) 692-3345 or 3757 or 4227 or E-mail us at: DSCC.packaging@dla.mil. We will research your question and add it to our FAQ web page.

OVERVIEW

- **What is Non Manufactured Wood Packaging Materials (NMWPM) [Soft Wood Packaging Material, SWPM]?**

'Non-manufactured wood packing [Soft Wood Packaging Material, SWPM] is defined as wood packing other than that comprised wholly of wood-based products such as plywood, particle board, oriented strand board, veneer, wood wool, etc., which have been created using glue, heat and pressure or a combination thereof¹.' Examples of products produced from non-manufactured wood packing material [Soft Wood Packaging Material, SWPM] may include, but not limited to: For the purpose of the European Union's

- emergency measures NMWP [SWPM] includes coniferous pallets, crating, packing blocks, drums, cases, load boards, pallet collars, skids, etc., but not dunnage. 'Wood packing material made entirely of processed manufactured wood (plywood, particle board, Oriented strand board, veneer) is exempt from the standard².'

[Reference: American Lumber Standard Committee, Non-Manufactured Wood Packing Enforcement Regulations, dated May 30, 2001, paragraph 1.4¹ and International Standards for Phytosanitary Measures Approved Guidelines for Regulating Wood Packaging Material in International Trade²]

- **Are the terms Soft Wood Packaging Material (SWPM) and Non Manufactured Wood Packing Materials (NMWPM) the same?**

Yes, both NMWPM and SWPM have the same treatment requirements. The UN Guidelines use the term 'SWPM' within their documents. All countries applying these requirements will use the SWPM term. Therefore, this web page will eventually convert the term NMWPM to SWPM in order to comply with the UN Guidelines terminology.

[Reference: DLA HQ Guidance and UN Guidelines]

- **Are there any requirements for Dunnage?**

According to the European Union, any Dunnage must be stripped of its bark, and shall be free from grub holes that are larger than 3 mm across, and shall have a moisture content of less than 20%.

[Reference: [USDA APHIS web site](#)]

- **Why did the European Union impose the Non-Manufactured Wood Packing Material [Soft Wood Packaging Material, SWPM] requirements?**

The Commission of the European Communities adopted emergency measures requiring the treatment and marking of all new and used coniferous (e.g. pine, spruce, fir) non-manufactured wood packing material (NMWP) [Soft Wood Packaging Material, SWPM] originating in the United States, Canada, China, or Japan and departing on or after October 1, 2001, to prevent the introduction of the pinewood nematode. Hardwoods are exempt from the EU emergency measure. The pinewood nematode is a microscopic eelworm which has caused extensive mortality in pines in Japan and China.

- **What countries are part of the European Union?**

The European Union (EU) is comprised of the following fifteen countries: Belgium, Germany, France, Italy, Luxembourg, Netherlands, Denmark, Ireland, United Kingdom, Spain, Portugal, Austria, Finland, Greece, and Sweden. To view a map of the EU countries, visit: [Member States of the European Union](#).

- **Does the above NMWPM requirement apply to specific DLA shipments or all DLA shipments?**

Yes, the NMWPM [Soft Wood Packaging Material, SWPM] requirement applies to specific shipments with a **final destination** (Freight Shipping Address) **within Europe**. It applies to the the following shipments either '**shipped to**' or '**moving through**':



**DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER RICHMOND
8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5100**

IN REPLY
REFER TO

DSCR-CEC

May 17, 1999

MEMORANDUM FOR RECIPIENTS OF PROCUREMENT INFORMATION MEMORANDUMS

**SUBJECT: Additional Bar Coding Requirements for Direct Vendor Delivery (DVD) Shipments
Procurement Information Memorandum 99-17**

When a depot processes a shipment to one of our military customers, that shipment includes a DD-Form 1348-1A which identifies data necessary for receipt processing. It has been brought to our attention that our customers cannot use their automated systems to process receipt of DVD shipments because our contracts do not provide for bar coding of this data. Accordingly, a provision has been developed to address this need, 52.211-9G69, Bar Coding Requirements for Direct Vendor Delivery Shipments, DPACS D5, (Attachment 1). This bar coding requirement differs from the bar coding requirement for stock buys as this requires bar coded data be placed on the shipment document (i.e., DD Form 250 or commercial document) not on the containers/unit of issue.

Effective immediately, this requirement shall be incorporated in all new and open solicitations that provide for DVD. For open solicitations, consideration should be given to the circumstance of the individual procurement (e.g., urgency, etc.). If this requirement is not incorporated into an open solicitation, the contract file shall be documented with the circumstances/supporting rationale.

In addition, all existing long-term contracts with 2 or more years remaining shall be modified to incorporate the bar coding requirement. This should be accomplished at the earliest possible date but may be negotiated at time of exercise of option, however it should not delay option exercise. Modification of these LTCs shall be accomplished no later than one year from the issuance of this memorandum.

If the contractor (for existing LTCs) or the anticipated best value awardee indicate they will be unable to comply, the buyer shall contact DSCR-CEC for further instruction.

All solicitations/contracts specifically awarded for E-Mail are excluded from this requirement.

This procurement information memorandum is effective immediately and shall remain in effect until rescinded. If you have any questions regarding these procedures, please contact Teresa Gabbert, ext 6788.

/s/

L. E. VADALA
Captain, SC, USN
Executive Director, Procurement

Attachment

52.211-9G69 (DPACS D5)

BAR CODING REQUIREMENTS FOR DIRECT VENDOR DELIVERY (DVD) SHIPMENTS
(May, 1999)

(a) This bar coding requirement is applicable **only** to shipment of material to a location other than a DLA Distribution Depot (i.e., direct vendor delivery (DVD)).

(b) In addition to other marking requirements in this contract, the following separate lines of bar coded data, with Human Readable Interpretation (HRI) printed directly below the element, shall be provided:

- (1) Document number and suffix.
- (2) National Stock Number (NSN) (in absence of the NSN, the CAGE and Part Number).
- (3) ICP Routing Identifier Code (RIC), Unit of Issue, quantity, followed by an "A" and eight zeros.

(c) These bar code markings shall either be placed on or printed on labels affixed to either the DD Form 250/250c or the commercial packing list. If used on DD Form 250/250c, it should be in blocks 15, 16, 17, etc. In either case, these documents shall be furnished in Packing List Envelopes affixed to the **outside** of the shipping container.

(d) The bar code symbology shall be Code 3 of 9 (Code 39) in accordance with *ISO/IEC-16398*.

NOTES:

In bar code **element 1** above, the Document Number above consists of a 14-character (15 characters when a suffix is included) alphanumeric code. It may be listed on a contract/award as the Requisition Number, Transportation Control Number (TCN), etc.

In bar code **element 2** above, the NSN will appear as a 13-digit code without the dashes.

In bar code **element 3** above:

The RIC is S9G.

The appropriate unit of issue (U/I) will appear as a two digit alpha character.

The quantity will appear as a five-position code, including zero fillers **left** of the number.

The above will be followed by an "A" and eight zeros, (e.g., "A00000000").

NO SPACES SHALL SEPARATE THE INDIVIDUAL DATA ELEMENTS.

MATERIAL INSPECTION AND RECEIVING REPORT

Form Approved
OMB No. 0704-0248

Public reporting burden for this collection of information is estimated to average 35 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 this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0248), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES

1. PROC. INSTRUMENT IDEN. (CONTRACT)		(ORDER) NO.		6. INVOICE NO./DATE		7. PAGE OF		8. ACCEPTANCE POINT	
2. SHIPMENT NO.		3. DATE SHIPPED		4. IML 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					
16. ITEM NO.	18. STOCK/PART NO. <small>(Indicate number of shipping containers - type of container - container number.)</small>	DESCRIPTION		17. QUANTITY SHIP / REC'D*	18. UNIT	19. UNIT PRICE	20. AMOUNT		
	 FB204791520041  6850004059312  S9GTUP0048A00000000								
21. CONTRACT QUALITY ASSURANCE					22. RECEIVER'S USE				
A. ORIGIN <input type="checkbox"/> CQA <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. DESTINATION <input type="checkbox"/> CQA <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.		Quantities shown in column 17 were received in apparent good condition except as noted.				
DATE			DATE		DATE RECEIVED		SIGNATURE OF AUTH GOVT REP		
SIGNATURE OF AUTH GOVT REP			SIGNATURE OF AUTH GOVT REP		TYPED NAMED AND OFFICE				
TYPED NAMED AND OFFICE			TYPED NAME AND OFFICE		* 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 enclose.				
23. CONTRACTOR USE ONLY									



DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER RICHMOND
8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5100

IN REPLY
REFER TO

DSCR-KLC

MEMORANDUM FOR RECIPIENTS OF PROCUREMENT INFORMATION MEMORANDUMS

SUBJECT: MIL-STD-129P, Standard Practice for Military Marking for Shipment and Storage - Procurement Information Memorandum 04-04

This PIM provides Defense Logistics Acquisition Directive (DLAD) coverage in accordance with Procurement Letter (PROCLTR) 03-20, dated November 14, 2003, on the Standard Practice for Military Marking for Shipment and Storage. The "P" revision of MIL-STD-129, dated December 15, 2002, established the requirement for Department of Defense (DoD) contractors to provide both linear and 2-D bar coding on the Military Shipping Label (MSL) of packaged materiel. In accordance with this provision, marking requirements must comply with both linear and 2-D bar coding requirements as specified in MIL-STD-129P for all Direct Vendor Delivery (DVD) shipments to military activities and all deliveries to stock.

The new Military Shipping Label (MSL) replaces the former DD Form 1387, and requires Code 3 of 9 or Code 39 linear bar codes for the Transportation Control Number (TCN), piece number, and Department of Defense Activity Address Code (DoDAAC) for the ultimate consignee or mark-for address. The 2-D bar code on the MSL must contain the document (requisition) number, NSN, Routing Identifier Code (RIC), Unit of Issue, Quantity, Condition Code, and Unit Price, which are ordinarily included on the DD Form 250 or the DD Form 1348-1A.

The following guidance applies to long-term contracts and is to be used when determining if a modification is necessary:

- a. Contracts with vendors currently using the Distribution Planning and Management System (DPMS) do not need to be modified because the MSL is MIL-STD-129P compliant.
- b. Solicitations issued before February 17, 2004, do not need to be modified, if the total contract period does not exceed 12 months.
- c. Existing contracts, with a final expiration date that does not exceed February 16, 2005, do not need to be modified.

A new contract clause, Military Shipping Label Requirements - MIL-STD-129P, is added at DLAD 52.211-9010. This clause applies to stock buys in addition to Direct Vendor Deliveries (DVDs). The clause at DLAD 52.211-9008, Bar Coding Requirements for Direct Vendor Delivery (DVD) Shipments - DD Form 250/250c/Commercial Packing List, is revised to clarify that it requires linear bar codes only; and to include a reference to ISO/IEC-16388, which has replaced AIM BC1. The name of the clause is changed to clarify that it applies only to the packing list. Guidance at DLAD 11.290 has been

reformatted to accommodate the addition of the new clause. New guidance at DLAD 12.301(f)(102) authorizes use of both clauses in acquisitions of commercial items conducted using FAR Part 12.

The marking statement that appears in the master solicitation provisions has been updated to read as shown on Attachment 1.

This PIM became effective February 17, 2004, and shall remain in effect until it is incorporated into the on-line DSCAP. The point of contact for this PIM is Brenda Christian, x6150.

/s/
WALTER H. MELTON
Captain, SC, USN
Director, Supplier Operations

Attachment

ATTACHMENT

The current wording is as follows:

DoD Bar Code Marking required in accordance with MIL-STD-129 (latest revision) marking and bar coding in accordance with AIM BC1.

The new wording is as follows:

For all shipments of packaged materiel to the government, which includes either depot DLA-direct) or DVD (customer-direct) shipments, both DoD linear and 2-D bar code markings are required on military shipping labels in accordance with MIL-STD-129, revision P, dated December 15, 2002. 2-D bar coding shall be in accordance with ISO/IEC 15438, ISO/IEC 15434 ANSI MH10.8.3) and DoD 4500.9-R. MSL linear (code 3 of 9 or code 39) bar coding shall be in accordance with ISO/IEC 16388. MSL label stock quality shall meet MIL-PRF-61002. MSL bar code print quality shall meet ANSI MH10.8-2000 or ANSI X3.182-1990 (R2000) for applicable 2-D and/or linear bar codes. All DVD shipments shall meet additional linear bar coding requirements in DLAD 52.211-9008. When the contract/order omits any data element required to be bar-coded, the field shall be zero-filled. These requirements do not apply to delivery orders when the basic contract has not been modified to require MIL-STD-129P. If there are inconsistencies between the schedule and MIL-STD-129P, the schedule takes precedence.

CONTINUATION SHEET

Solicitation Number:
SP0451-02-X-8670

PAGE 2 OF 3 PAGES

SECTION B

PR: YPG02197000363
NSN: 5995-01-422-5680

ITEM DESCRIPTION:
CABLE ASSEMBLY, SPEC
DSCR DOES NOT CURRENTLY HAVE AN APPROVED
TECHNICAL DATA PACKAGE AVAILABLE FOR THIS NSN.
PLEASE DO NOT SUBMIT REQUEST TO DSCR-VABA.
KVH INDUSTRIES INC
MIL-STD-130K, DATED 15 JAN, 2000.
IDENTIFICATION MARKING OF U.S. MILITARY PROPERTY
CAGE 72197
P/N 32-0371

I/A/W QAP 13873 QAP-001
BASIC DTD 1999 JAN 02
AMEND NR DTD 20
TYPE NUMBER:

ITEM	PR	PRLI	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	YPG02197000363	0001	1	EA	\$ _____	\$ _____

DELIVER FOB: See Clause
QTY VARIANCE: PLUS See Clause MINUS See Clause
INSP/ACCEP POINT: See Clause

PREP FOR DELIVERY:

* PKGING DATA - QUP 001:
* SHALL BE PACKAGED STANDARD COMMERCIAL IN ACCORDANCE WITH ASTM D 3951.

* DOD BAR CODE MARKING REQUIRED IN ACCORDANCE WITH MIL-STD-129 (LATEST REVISION) MARKING AND BAR CODING IN ACCORDANCE WITH AIM BCI.

PARCEL POST/FREIGHT ADDRESS:

* W81ETW
XR RRAD WEAPON SYSTEM STAGING PT
RED RIVER ARMY DEPOT
PACKAGE PROCESSING POINT WHSE 594
TEXARKANA TX 75507-5000

CONTINUED ON NEXT PAGE

• Comm/Asm
• DEPOT

CONTINUATION SHEET

Solicitation Number:
SP0451-02-Q-RC63

PAGE 2 OF 4 PAGES

SECTION B

PR: YPG02135000656
NSN: 6150-01-382-2544

ITEM DESCRIPTION:
WIRING HARNESS, BRAN
TECH DATA PACKAGE AVAILABILITY:
AN UNRESTRICTED TECHNICAL DATA PACKAGE IS
AVAILABLE AT DSCR FOR THIS NSN. TO OBTAIN A
COPY, SUBMIT REQUEST TO DSCR VIA INTERNET,
INTERNET ADDRESS IS:
HTTP://WWW.DSCR.DLA.MIL/TDMD (ALL LOWERCASE,
PLEASE).

I/A/W DRAWING NR (19207)12322586 REV -
BASIC DTD 1986 AUG 05
AMEND NR DTD 20
TYPE NUMBER: P/N 12322586

I/A/W QAP 13873 QAP-002
BASIC DTD 1995 NOV 01
AMEND NR DTD 20
TYPE NUMBER:

I/A/W DRAWING NR DSCR TDPL-013822544-02066
BASIC DTD 2002 MAR 07
AMEND NR DTD 20
TYPE NUMBER:

TEM	PR	PLLI	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001	YPG02135000656	0001	62	EA	\$ _____	\$ _____

DELIVER FOB: See Clause
QTY VARIANCE: PLUS See Clause MINUS See Clause
INSP/ACCEP POINT: See Clause

CONTINUED ON NEXT PAGE

- MILITARY PACKAGING
- DRAWING
- MIL-STD 2073-1D
- DEPOT

CONTINUATION SHEET

Solicitation Number:
SP0451-02-Q-RC63

PAGE 3 OF 4 PAGES
3 4

SECTION B

*** PREP FOR DELIVERY:**

PKGING DATA - MIL-STD-2073-1D, 15 DEC 1999
 QUP = 001; PRES MTHD = 31; CLNG/DRY = 1; PRESV MAT = 00;
 WRAP MAT = XX; CUSH/DUNN MAT = XX; CUSH/DUNN THKNSS = X;
 UNIT CONT = ~~XX~~ OPI = O;
 INTRMDTE CONT = D3; INTRMDTE CONT QTY = AAA;
 PACK CODE = U;
 MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-129.
 SPECIAL MARKING CODE: 00 - NO SPECIAL MARKING.
 PALLETIZATION SHALL BE IN ACCORDANCE WITH D001450000 REV B
 DATED 1290

*** SUPPLEMENTAL INSTRUCTIONS -**
 FOR ALL DIRECT DELIVERIES PACKAGE IAW
 ASTM-D-3951 REQUIREMENTS TO INCLUDE
 MIL-STD-129 MARKINGS. FOR ALL OTHER
 DELIVERIES PACKAGE IAW MIL-STD-2073
 REQUIREMENTS.

SEE CLAUSE 52.211-9G22, SECTION F, CODE F8,
 FOR D001450000 PALLETIZATION REQUIREMENTS.

DOD BAR CODE MARKING REQUIRED IN ACCORDANCE WITH
 MIL-STD-129 (LATEST REVISION) MARKING AND BAR
 CODING IN ACCORDANCE WITH AIM BC1.

PARCEL POST ADDRESS:

W25G1U
 XU TRANSPORTATION OFFICER
 DDSP NEW CUMBERLAND FACILITY
 BUILDING MISSION DOOR 113 134
 NEW CUMBERLAND PA 17070-5001

FREIGHT SHIPPING ADDRESS

W25G1U
 TRANSPORTATION OFFICER
 DDSP NEW CUMBERLAND FACILITY
 BUILDING MISSION DOOR 113-134
 NEW CUMBERLAND PA 17070-5001

NON-MILSTRIP RDD 11/08/2002 PROJ

NEM	PR	PRLI	QUANTITY	UNIT	UNIT PRICE	AMOUNT
002	YPG02135000656	0002	40	EA	\$ _____	\$ _____

DELIVER FOB: See Clause
 QTY VARIANCE: PLUS See Clause MINUS See Clause

CONTINUED ON NEXT PAGE

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	NSN: 5940-01-263-7115	3,923	Each	\$0.79	\$3,099.17
	TERMINAL,LUG FFP				
	TERMINAL,LUG FEDERAL MOGUL CAGE PN/CN: US		01212 P/N	728207	
	DWG NR: No				
	PURCHASE REQUEST NUMBER: 0010113901				
				NET AMT	\$3,099.17

Intermediate Container Quantity AAA

FOB: Destination
Weight Unit: Pound

ITEM(S) 0001 - ADDITIONAL INFORMATION 0001

AMPN: Approved Manufacturer Part Number - Cage: Approved Manufacturer
AMPN: 728207 - Cage: 01212

Critical Part Indicator = N
Quality Control Code = DAB
Start_of_MILPACK_Data
PACKAGING DATA - MIL-STD 2073-1D, 15 DEC 1999 ✓
End_of_MILPACK_Data
CLNG/DRY = 1
CUSH/DUNN THICKNESS = X
CUSH/DUNN MAT = XX
INTRMDTE CONT = XX
INTRMDTE CONT QTY = AAA
OPI = O
PACK CODE = U
PRESV MAT = XX
PRES MTHD = 10
QUP = 010
SPECIAL MARKING CODE = 00
UNIT CONT = A1
WRAP MAT = XX
Start_of_Barcode_Data
DOD BAR CODE MARKING REQUIRED IN ACCORDANCE WITH
MIL-STD-129 (LATEST REVISION) MARKING AND BAR CODING IN
ACCORDANCE WITH AIM BC1.
End_of_Barcode_Data

CLAUSES INCORPORATED BY FULL TEXT

BSM



Defense Supply Center Columbus

Taking the Lead in Land, Maritime, and Missile Support



DLA Packaging

[Offices](#) | [Packaging](#) | [Contacts](#) | [Forms](#) | [Feedback](#) | [FAQs](#) | [Resources](#) | [News](#) | [Site Map](#) | [MSDS Requests](#)

Site search:

[DSCC Home](#)

[Buying from DSCC](#)

[Selling to DSCC](#)

[Detailed Searches](#)

[Library](#)

[News](#)

[Links](#)

[Contact Us](#)

IMPORTANT NOTICES!

- [Requirements for Non-Manufactured Wood Packing Material](#)
- [Importance of Packaging and Marking Supporting OCONUS Shipments](#)
- [Military Packaging Awareness](#)
- [Military Packaging Tips for New Contractors](#)
- [MIL-STD-129 Issues](#)

Welcome to the official DLA Packaging web site for packaging consolidated data and support.

The DLA Packaging Team is committed to streamlining processes, reducing administrative costs, and assisting contractors on the road to success by providing the most economical and optimum performance packaging designs to our customers to support DOD missions. Our diverse, unified, and proactive team of 24 Packaging Specialists and 4 Packaging Support personnel are here to help you in your military packaging endeavors. DLA Packaging Specialists have been trained and certified by the School of Military Packaging Technology and the National Institute of Packaging, Handling and Logistics Engineers. As a result of our staff's commitment excellence and innovative efforts, they have gathered numerous accolades and prestigious awards, such as the DoD Packaging Excellence Award, the NIPHLE Packaging Achievement Award, the DoD Citation for Meritorious Achievement, and the Packaging Hall of Fame.



Our Packaging Specialists are available to answer any questions regarding military packaging requirements, report of discrepancy actions, unit of issue challenges, packaging of hazardous materials, and evaluate any proposals of which commercial packaging would jointly benefit the contractor, DLA, and meet our customers military requirements.

All inquires regarding the use of commercial packaging in lieu of military requirements are welcomed. If you would like the Packaging Team to evaluate your proposal, please contact the appropriate Center:

★ **For One-Stop-DLA Packaging Support, visit our [Feedback web page](#)**

- **Defense Supply Center Columbus**

- Corporate Phone Numbers: (614) 692-3345, 4227, or 3757
- Fax: (614) 692-1901
- E-mail: DSCC.packaging@dla.mil 
- **Defense Supply Center Philadelphia**
 - Phone & Fax Numbers
 - E-mail: DSCP.packaging@dla.mil 
- **Defense Supply Center Richmond**
 - Corporate Phone Numbers: (804) 279-4454
 - Fax: (804) 279-6608
 - E-mail: DSCR.packaging@dla.mil 

Please note, commercial packaging proposals are evaluated on an individual basis. We do not guarantee acceptance in every case due to the unique requirements and characteristics of some items managed by our Inventory Control Points.

Content Inquiries: vswebteam@dsc.dla.mil 

Help

[Privacy & Security](#) [External Links](#) [Accessibility](#) [Viewers](#)
Toll Free Customer Support: 1-877-352-2255 (1-877-DLA-CALL)
Date of Last Update: 30 October 2003

/

**DEFENSE SUPPLY CENTER RICHMOND (DSCR)
PRODUCT CENTER PACKAGING SPECIALISTS – July 2003**

Supervisory Packaging Specialist

Thomas W. McElwee, Jr. DSN 695/Commercial (804)279-4788

E-Mail: Thomas.McElwee@dla.mil

Product Center 1 (Helicopter Airframe and Aerospace Products)

Jonathan Turner DSN 695/Commercial (804) 279-5545

E-Mail: Jonathan.Turner@dscr.dla.mil

1270, 1280, 1560, 1610, 1615, 1620, 1630, 1650, 1660, 1670, 1680, 1730, 2620

Product Center 2 (Electrical Cable Assembly and Electrical Power Products)

Angela Wharton DSN 695/Commercial (804) 279-5414

E-mail: Angela.Wharton@dscr.dla.mil

5995, 5210, 5220, 5280, 5800, 5826, 5831, 5841, 5821, 5995, 6150, 6320, 6340, 7105, 7110, 7125, 7195, 7220, 7230, 7240, 7290, 7420, 7430, 7435, 7460, 7490, 7510, 7520, 7530, 7540

Product Center 3 (Aircraft Engines Components & Accessories)

Fred Boyd | DSN 695/Commercial | (804) 279-5551

E-mail: Fred.Boyd@dscr.dla.mil

2810, 2835, 2840, 2845, 2915, 2925, 2935, 2945, 2950, 2995

Product Center 4 (Packaged Petroleum, Industrial Gases & Chemicals)

Berthel Miller DSN 695/Commercial (804) 279-4291

E-mail: Berthel.Miller@dscr.dla.mil

3655, 3740, 4235, 4250, 5365 ending 66-99, 6810, 6820, 6830, 6840, 6850, 8140, 9150

Morris Scruggs DSN 695/Commercial (804) 279-5219

E-mail: Morris.Scruggs@dscr.dla.mil

3655, 3740, 4235, 4250, 5365 ending 00-65, 6810, 6820, 6830, 6840, 6850, 8140, 9150

Product Center 5 (Electro-mechanical Products and Batteries)

Barbara Baskerville DSN 695/Commercial (804) 279-5544

E-Mail: Barbara.Baskerville@dscr.dla.mil

5940, 5970, 5975, 5977, 6105, 6110, 6115, 6117, 6125, 6130, 6135, 6140, 6160, 6310, 6320, 6340, 6350

Product Center 6 (Bearings)

Fred Boyd DSN 695/Commercial (804) 279-5551

E-mail: Fred.Boyd@dscr.dla.mil

3110, 3120, 3130

Product Center 7 (Gauges, Instrumentation and Miscellaneous Weapons Hardware)

Fred Boyd DSN 695/Commercial (804) 279-5551

E-mail: Fred.Boyd@dscr.dla.mil

5342, 6605, 6610, 6615, 6620, 6635, 6645, 6650, 6655, 6660, 6665, 6670, 6680, 6685, 6695

**Product Center 8 (Industrial Machinery Products and Maintenance
And Repair Support Items)**

Carolyn Washington DSN 695/Commercial 804-279-4011

E-Mail: Carolyn.Washington@dscr.dla.mil

2020, 2030, 2040, 2050, 2060, 2090, 3210, 3220, 3230, 3405, 3408, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3417, 3418, 3419, 3422, 3424, 3426, 3431, 3432, 3433, 3436, 3438, 3439, 3441, 3442, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3455, 3456, 3460, 3460, 3465, 3470, 3605, 3610, 3611, 3615, 3620, 3625, 3630, 3635, 3640, 3645, 3650, 3660, 3670, 3680, 3685, 3690, 3693, 3694, 3695, 3750, 4010, 4030, 5110, 5120, 5133, 5136, 5140, 5180, 5345, 5350, 5640

Product Center 10 (Cargo Airframe and Aerospace Products)

Jonathan Turner DSN 695/Commercial (804) 279-5545

E-mail: Jonathan.Turner@dscr.dla.mil

1270, 1280, 1560, 1610, 1620, 1630, 1650, 1660, 1670, 1680, 1730, 1820, 1830, 1840, 1850, 1860, 2620

Product Center 11 (Fighter Airframe and Aerospace Products)

Jonathan Turner DSN 695/Commercial (804) 279-5545

E-Mail: Jonathan.Turner@dscr.dla.mil

1270, 1280, 1560, 1620, 1630, 1650, 1660, 1670, 1680, 1730, 2620
