



# Packaging



PACKAGING GLOBAL LOGISTICS SUPPORT

*With Excellence*

**DLA**



# Packaging



- Items NOT going into stock shall be packaged in accordance with standard commercial practice as defined in ASTM D-3951 (Latest Revision is 98) Some Items Intended for packaging by ASTM D-3951\* include:
  - Items intended for immediate use
  - Items for not mission capable supply
  - Items intended for depot operational consumption



# Packaging (continued)

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- Small parcel shipments (CONUS), not for stock
- Direct vendor deliveries (CONUS)



# Packaging (continued)



- Items going into the military distribution center
- MIL-STD-2073-1d requirements apply to
  - Items expected to enter the military distribution system
  - Items delivered during wartime
  - Items requiring reusable containers
  - Items intended for delivery at sea



# Levels of Protection



## •Levels of Protection

- A means of specifying the level of Military Preservation and Packing that a given item requires to ensure that it is not degraded during shipment and storage
- MIL-STD-2073-1d Levels of Preservation are designed to protect an item during shipment, handling, undetermined storage, and distribution to consignees worldwide.



# Levels of Protection (continued)



- Level A is the level of packing required for protection of material against the most severe worldwide conditions known or anticipated to be encountered during shipment, handling and storage
- Level B is the level of packing requirement for protection of material under moderate (anticipated) worldwide shipment, handling and storage



# Basic Methods of Military Preservation

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- Physical protection
- Preservative coating only
- Waterproof protection
- Watervaporproof protection
- Watervaporproof protection with desiccant



# Methods

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- Method 10 (Formerly Method III)
  - Physical protection
  - Protection from physical damage and mechanical malfunction
- Types of items to be preserved
  - Plastic, ceramics, glass, painted metal, finished wood products





# Methods (continued)

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- Method 20 (Formerly Method I)
  - Preservative coating only (with Grease proof wrap, as required)
- Method 31 (Formerly Sub-Method IC-3)
  - Waterproof bag, sealed
  - Waterproof enclosure, with preservative as required



# Methods (continued)



- Method 32 (Formerly Sub-Method IC-2)
  - Container, waterproof bag, sealed
- Method 33 (Formerly Sub-Method IC-1)
  - Greaseproof-waterproof bag, sealed
  - Waterproof or waterproof-greaseproof enclosure, with preservative as required



# Methods (continued)

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- Method 41 (Formerly Sub-Method IA-8)
  - Watervaporproof bag, sealed
- Method 42 (Formerly Sub-Method IA-14)
  - Container, bag, sealed, container
- Method 43 (Formerly Sub-Method IA-16)
  - Floating watervaporproof bag, sealed
- Method 44 (Formerly Sub-Method IA-13)
  - Rigid container (other than metal)



# Methods (continued)

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- Method 45 (Formerly Sub-Method IA-5)
  - Rigid metal container, sealed
- Method 51 (Formerly Sub-Method IIc)
  - Watervaporproof bag, sealed with desiccant
- Method 52 (Formerly Sub-Method II-B)
  - Container, watervaporproof bag, sealed, container
  - Watervaporproof enclosure, with desiccant with preservative as required



# Package Markings

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- Identification Markings
  - NSN, cage code and part number, nomenclature, quantity and unit of issue,
- Bar Code Markings
  - NSN & serial number (unit and intermediate pack)
  - NSN, contract number and cage (& serial number) on exterior shipping containers



# Package Markings (continued)



- Address Markings
  - Uses military shipping label, transportation control number, DODAAC of ultimate consignee, and piece number must be bar coded when shipment is destined into the Defense Transportation System
- Special Markings
  - Hazardous material, expiration, inspection or pack date, arrows, fragile, special handling



# Unit & Intermediate Container Label Example



2910004567416

2910-00-456-7416  
CAGE 57685 PN 341  
CARBURETOR  
1 EA  
DAA625-03-C-1056  
M41 02/05

MFD DATE 01/03  
EXP DATE 01/06  
SER NO 1157



1157

\*MFD and EXP Date for Shelf Life Items and Serial Numbers only if Applicable.



# Exterior Container Label Example



2910004567416

2910-00-456-7416  
CAGE 57685 PN 341  
2 EA



DAA62503C1056

DAA625-97-M-1056  
M41 02/01



57685

WT 14

MFD DATE 01/03

EXP DATE 01/06

SER NO 1157

1158



1157



1158





# Military Shipping Label (MSL)

Sample – CONUS Shipment



TCN <b>S1501A4202A453XXX</b>			
From <b>73342</b> ATGM 4700 WEST 10TH ST INDIANAPOLIS IN 46222-3277		TAC / Type Service / Postage <b>FRT LTL</b>	
Piece <b>1 OF 1</b>	Weight (lb.) <b>1210</b>	Date Shipped <b>07/20/04</b>	Project
	Cube (ft.) <b>60</b>	RDD <b>340</b>	FMS Case
Priority <b>3</b>	MSL, Supply & TCMD Data 		
POD			
Ship To / POE	TRANSPORTATION OFFICER DDSP NEW CUMBERLAND FACILITY BUILDING MISSION DOOR 113-143 NEW CUMBERLAND PA 17070-5001		
Ultimate Consignee / Mark For Consignee	TRANSPORTATION OFFICER DDSP NEW CUMBERLAND FACILITY BUILDING MISSION DOOR 113-134 NEW CUMBERLAND PA 17070-5001		
	<b>W25G1U</b>		

The label contains Address Markings

The 2D Bar Code contains Address Markings and Inventory Control Information  
FOB Destination TCN uses letter “X” and the five digit CAGE Code, Four Digit Julian Date, first letter of the company name, last three digits of Shipment Number from DD 250, Suffix Number, Partial Shipment Code and Split Shipment Code (Usually “XXX”)



# Special Markings



- Shelf-life
- Project Code
- Fragile/ Delicate
- Method 50
- Expedited Handling
- Hazardous Materials
- Oxygen Cleaned
- ESD





# Special Markings



- **Shelf Life**

- Shown below identification data on unit, intermediate and exterior containers

**Type I (non-extendable):**

**MFD DATE 10/01**

**EXP DATE 10/06**

**Type II (extendable):**

**ASSEMBLED DATE 10/01**

**INSP/TEST DATE 10/04**

**Rubber or ELASTOMER (Type I or II):**

**CURED DATE 4Q01**

**INSP/TEST DATE 4Q05**



# Special Markings



## Project Code



## Special Handling

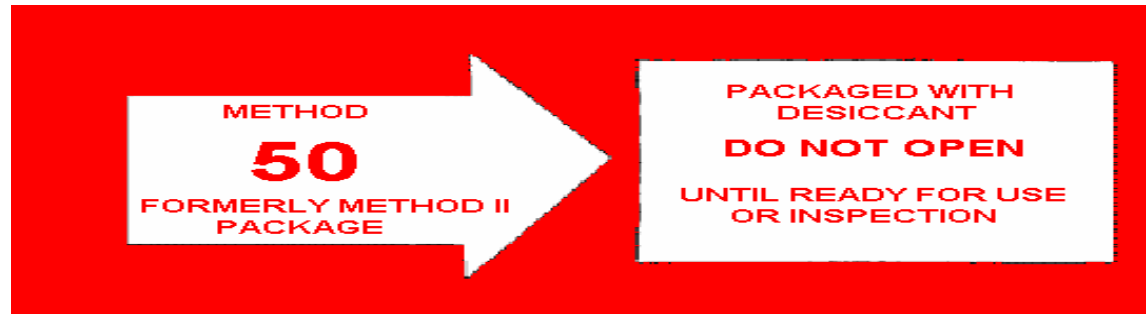




# Special Markings (continued)



## Method 50





# Special Markings (continued)



## Expedited Handling



# NMCS

NSN 7540-00-139-4835  
5084-102

OPTIONAL FORM 84 (REV. 2-84)  
PREVIOUS EDITION NOT USABLE



# Special Markings (continued)



## Electrostatic Discharge (ESD) Sensitive



**Unit Pack**



**Intermediate and Exterior Pack**



# Special Markings (continued)



## DOT Hazardous Materials

- Proper Shipping Name
- UN Number
- Hazard Labels







# Special Markings (continued)



## UN Performance Specification

Example of a Single or Combination Marking:

a            b            c            d            e            f            g            h

**u**  
**n**            **4G / Y 7.4 / S /99/USA /DOD**

- (a) The United Nations Symbol
- (b) Type of Packaging Code
- (c) Packing Group:

X = PG I, II and III  
Y = PG II and III  
Z = PG III Only

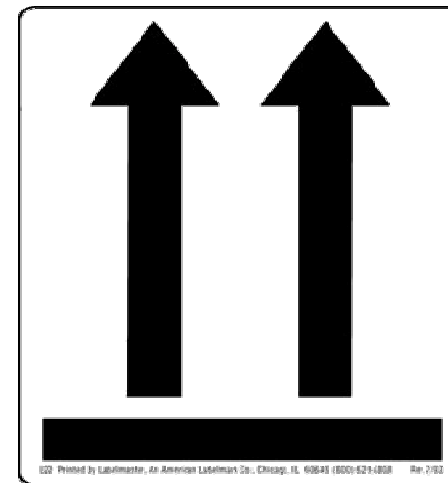
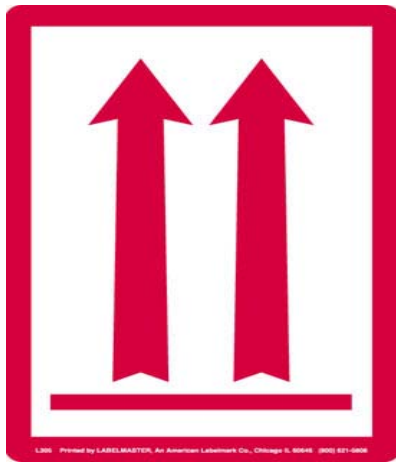
- (d) Maximum Gross Mass (In Kilograms)
- (e) Letter "S" , Solid or Inner Packagings
- (f) Year of Manufacture or assembly
- (g) State (Country) authorizing mark
- (h) Symbol of Manufacturer/Certifier



# Other Marking and Labels



## Package Orientation Marking





# Other Markings and Labels

(continued)



- Cargo Aircraft Only Label
- DD 1387-2 Special Handling Form



# DSCC Packaging Web Site

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<http://www.dsccl.dla.mil/Offices/Packaging>

➤ Please visit our booth for any additional information you may need and to get an on-line demonstration of our web site.