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)

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

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

• 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)

- 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)

• 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)

- **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

• 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

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

*MFD and EXP Date for Shelf Life Items and Serial Numbers only if Applicable.
Exterior Container Label Example

2910-00-456-7416
CAGE 57685  PN 341
2 EA
DAA625-97-M-1056
M41  02/01
WT  14
MFD DATE 01/03
EXP DATE 01/06
SER NO 1157
1158

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

9GF

Special Handling

FRAGILE
Special Markings (continued)

Method 50

METHOD 50
FORMERLY METHOD II PACKAGE

PACKAGED WITH DESICCANT
DO NOT OPEN
UNTIL READY FOR USE OR INSPECTION
Expedited Handling

Image of special markings: 999 and NMCS.
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:

\[ u \text{ n } 4G / Y 7.4/ S /99/USA /DOD \]

(a) The United Nations Symbol
(b) Type of Packaging Code
(c) Packing Group:
   \[ X = \text{PG I, II and III} \]
   \[ Y = \text{PG II and III} \]
   \[ Z = \text{PG III Only} \]
(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

http://www.dscc.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.