



Culture



2009 LAND & MARITIME SUPPLY CHAINS BUSINESS CONFERENCE & EXHIBITION

17 – 19 August 2009, presented by Deborah Thompson on behalf of the DSCC-VSP Packaging Office, Columbus



PACKAGING



- Military Packaging/Preservation & Marking
- MIL-STD-2073(D) (Packaging Codes Standard)
- ASTM D-3951 "Commercial Packaging"
- MIL-STD-129(P)(4) (Marking Standard)



MIL-STD-2073



- Coded Packaging data for items going into the Military distribution cycle
- Information contained on solicitations and awards specifying the packaging coded data required to protect item through life cycle (Section B, on solicitations & awards)
- Determined by item characteristics (fragility factors, destination considerations, etc.)



Example of Requirements



- Quantity Unit Pack (QUP) CODE 001
- Preservation Method CODE 41
- Cleaning and Drying Procedures CODE 1
- Preservative Material CODE 00
- Wrapping Material CODE CA
- Cushioning and Dunnage Material CODE JC
- Cushioning and Dunnage Thickness CODE X



MIL-STD-2073, Continued



- Unit Container CODE **D3**
- Optional Procedure Indicator CODE **Q**
- Intermediate Container CODE **EC**
- Intermediate Container Quantity CODE **024**
- FOR DLA STOCK: Pack CODE **U**
(page 175 of standard 2073)
- FOR FMS Shipments: Pack CODE **Q**
(page 173 of standard 2073)



Preservation Methods



- Method 10 Physical protection only
- Method 20 Preservative coating requirement
- Method 30 Waterproof protection
- Method 40 Watervapor proof protection
- Method 50 Watervapor proof with desiccant

- Examples found:

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



Special Preservation



Table J.Ia, SPECIALIZED PRESERVATION CODES (MIL-STD-2073, pages 143-148)

Codes used for packaging procedures that cannot be conveniently or adequately described without amplification of the basic method and material symbols.

“AE” means seal/plug all openings & preserve Method 10

“BL” means seal/plug all openings & preserve Method 20

“GX” means preserve Method 41 with ESD & electromagnetic protection

“HM” means package and mark I/A/W applicable hazmat regulation



ASTM D-3951



- **FOR NON-FMS AND NON-STOCK ORDERS FOR CONUS DELIVERY AND OCONUS PRIORITIES 1 THRU 8: MARKED AND PACKAGED STANDARD COMMERCIAL IAW ASTM D 3951 AND BAR CODED IAW AIM BC1.**
- Document may be ordered from:
http://www.astm.org/DIGITAL_LIBRARY/index.shtml



ASTM D-3951, Continued



- Items Intended for Immediate Use
- Items not for Mission Capable Supply
- Items Intended for Depot Operational Consumption
- Small Parcel Shipments (CONUS), Not for Stock
- Direct Vendor Deliveries (CONUS)



Reports of Discrepancies



Common types of non-compliances:

- Heat treated wood requirements I/A/W DLA contract clause: 52.247-9012 REQUIREMENTS FOR TREATMENT OF WOOD PACKAGING MATERIAL (WPM) (FEB 2007) (P215)
- Marking problems, elements of MIL-STD-129 missing or incorrectly labeled
- Preservation and packing non-conformances
- Listing of all types of discrepancies:
<http://www.dsccl.dla.mil/Offices/Packaging/TypicalPkgDisc.html>



QUP vs UNIT OF ISSUE



- Quantity per Unit Pack & Intermediate Pack determination is specified on contract, (and criterion referenced on pages 65-68 in MIL-STD-2073)
- Unit of Issue considerations (example BX, PG, RL, FT, EA, etc.)
- Quantity and Unit of Issue. (5 EA, as an example) A non-definitive unit of issue shall be accompanied by a quantitative expression such as "1 RO (100 FT)".



Quantity Per Unit Pack



MILITARY PACKAGING QUP & ICQ

- **QUP of ONE:**

Repairables, Items \$50 or more, Method 50 items, irregular, delicate or fragile items, pairs, sets and kits.

- **QUP more than ONE:**

Formulas based upon item weight, dimensions, cost, and Method of Preservation

- **Intermediate Container Quantity**

Maximum of 100 unit packs, 40 pounds or 1.5 cubic feet with at least two dimensions not exceeding 16 inches.



MIL-STD-129 Marking



- Page 176 in MIL-STD-2073 complete listing of all Special Marking Codes
- Mandatory for all locations both Conus (Continental United States) and OConus (Outside of Continental United States)
- Including MSL (Military Shipping Label) and RFID requirements
- Latest revision MIL-STD-129(P)(4) P Revision; 4 is change notice

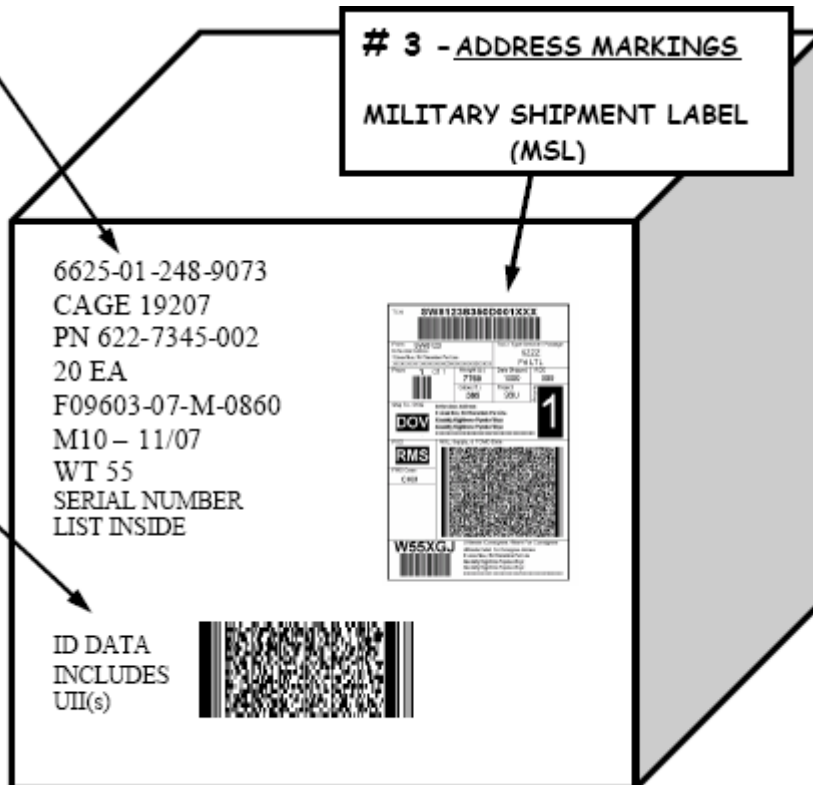


Example of Markings



- # 1 - IDENTIFICATION MARKINGS**
- NATIONAL STOCK NUMBER
 - CAGE CODE
 - PART NUMBER
 - QUANTITY AND UNIT OF ISSUE
 - CONTRACT NUMBER & LOT NUMBER
 - MILITARY METHOD & DATE OF UNIT PRESERVATION
 - WEIGHT (LBS)
 - SERIAL NUMBER(S)

- # 2 - 2D (PDF417) Symbol Data with (Data Identifiers)**
- NATIONAL STOCK NUMBER (N)
 - CONTRACT NUMBER (8K)
 - CAGE CODE (17V)
 - CONTRACT LINE ITEM NUMBER (4K)
 - CONTRACTOR SHIPMENT NUMBER (5K)
 - SERIAL NUMBER(s) (S)
 - UNIQUE ITEM IDENTIFIER (25S)





Questions?



- If there is anything I have not covered in my presentation or something you want further clarification on....
- If not, the link below provides the ICP packaging Points of Contacts and their email address; Columbus is broken down by Federal Stock Class assignments:
- <http://www.dscc.dla.mil/Offices/packaging/DLApoc.html>



Resources



- Thomas Register Search
- <http://www.thomasnet.com/prodsearch.html?cov=NA&which=prod&what=Military+Packaging+houses&navsec=search>
- DLA Packaging Website
- <http://www.dscc.dla.mil/Offices/packaging/packfaq.html>
- Deborah.D.Thompson@dla.mil Packaging Manager



Resources, Continued



- RFID Supplier Site
- A Supplier Guide that contains information that details requirements for compliance is located at www.dodrfid.org/suppliernguide.htm
- (MIL-STD-2073 packaging code interpreter)
http://www.palm.saic.com/code_lookup.nsf/codecheck
- ANSI Quick Search
<http://assist.daps.dla.mil/quicksearch>