FOREWORD

This Booklet has not been officially adopted by DoD. It is prepared as an informational guide for familiarization purposes only and is not intended to take the place of contractual requirements, specifications or regulations. The information contained herein is derived from current government packaging documents, pamphlets and technical manuals and is used for instructional purposes only.

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DISTRIBUTION UNLIMITED
CREDITS: SOME PACKAGING & PRESERVATION ILLUSTRATIONS COURTESY OF STU CRYSEL, AMCPSCC, TOBYHANNA PA
Location of Packaging Requirements in Solicitations & Contracts

- Part 1, Section A - Table of Contents
- Section B - Schedule of Supplies & Services
- Section C - Specifications
- Section D - Packaging & Marking
- Section E - Inspection & Acceptance
- Section F - Deliveries & Performance
- Attachments

  - CID’s (Commercial Item Descriptions)
  - Military or Federal Specifications
  - Aperture Cards & Drawings
  - Special Packaging Instructions
  - Master Solicitations & FAR clauses
  - Product Specifications
  - Military Standard Drawings (MS)
  - Industry Standards (ASTM’s)
  - Packaging Requirement Codes
ORDER OF PRECEDENCE

The general order of precedence will be:

1. Laws and Executive Orders
2. Requirements specifically listed in the contract. There is even an order of precedence clause covering which section of the contract takes precedence over other sections. The following clause covers sealed bid contracts and states:

52.214-29 Order of Precedence - Sealed Bidding

Any inconsistency in this solicitation or contract shall be resolved by giving precedence in the following order: (a) the schedule (excluding the specifications); (b) representations and other instructions; (c) contract clauses; (d) other documents, exhibits and attachments; and (e) the specifications.

(end of clause)

3. Detailed Federal Specifications and Standards.

4. General Specifications and Standards

5. Normal Commercial Practice.

The terms and conditions of a contract always supersedes a specification unless written changes to the contract have been obtained from the Contracting Officer.

52.212-4  Contract Terms and Conditions--Commercial Items. and
52.214-29 Order of Precedence--Sealed Bidding.
52.215-8  Order of Precedence – Uniform Contract Format.
HAZARDOUS MATERIALS

In addition to Contractual Requirements - MUST be Packaged in accordance with the appropriate Modal Regulation:

- Title 49 CFR for Land
- IMO for Water
- ICAO/ IATA for Commercial Air
- AFMAN 24-204(I)* for Military Air

*Joint Regulation: DLAI 4145.3 / TM 38-250 / NAVSUP PUB 505 / MCO P4030.19I

Must be marked and labeled in accordance with the appropriate Modal Regulations and if specified, MIL-STD-129.

In case of conflicting information, the appropriate Modal Regulations take precedence.
Items **NOT Going into Stock**

SHALL be packaged in accordance with standard commercial practice as defined in

ASTM D-3951

(Latest Revision is ASTM D3951-10).

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
- Small Parcel Shipments (CONUS), Not for Stock.
- Direct Vendor Deliveries (CONUS)

* "DoD Contracts and Purchase Orders may require additional markings per MIL-STD-129."

* 6 *
DOMESTIC or EXPORT Considerations

• The type of goods – The Fragility Factor

• Type of carrier – Trucks and Trains or Ships and Planes

• Delivery Time – Days and Weeks vs. Weeks and Months

• Types of hazards –
  – On the Ground vs. On the Water or In the Air
  – Extreme Temperatures and Humidity

• Cost factors – Handling and Transportation

• Legal restrictions –
  – Import and Export Documentation
  – After-sale use (What Happens To the Packaging?)
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-2073-1e Levels of Preservation are designed to protect an item during shipment, handling, undetermined storage, and distribution to consignees worldwide.

Military Levels of Packing

LEVEL A

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.

A Level A pack must, in tandem with the applied method of preservation, be capable of protecting material from the effects of direct exposure to extremes of climate, terrain, and operational and transportation environments.

Examples of situations: War Reserve Material, mobilization, strategic and theater deployment and employment, open storage, deck loading and Foreign Military Sales.

Examples of containers used for Level A packing requirements include, but are not limited to, overseas type wood boxes, and plastic and metal reusable containers.

LEVEL B

Level "B" is the level of packing required for protection of material under moderate (anticipated) worldwide shipment, handling and storage.

A pack designated Level "B" must be designed, in tandem with the applied preservation, to be capable of protecting material not directly exposed to extremes of climate, terrain, and operational and transportation environments.

Examples of Situations: Security Assistance, such as Foreign Military Sales and containerized overseas shipments.

Examples of containers used for Level B packing requirements include, but are not limited to, domestic wood crates, weather resistant fiberboard containers, fast pack containers, weather-resistant fiber drums, and weather resistant paper and multi-wall shipping sacks.
Items Going into the Military Distribution Center will be packaged in accordance with MIL-STD-2073-1E w/CHANGE 1 (dated 7 January 2011)

MIL-STD-2073-1e requirements apply to:

A. Items expected to enter the military distribution system.
B. Items delivered during wartime.
C. Items requiring reusable containers.
D. Items intended for delivery at sea.

*See contractual requirements

APPENDICES

• APPENDIX A - DEVELOPMENT OF MILITARY PACKAGING REQUIREMENTS
• APPENDIX B - FACTORS & FORMULAE ESTABLISHING MILITARY PACKAGING QUP & ICQ
• APPENDIX C - CONTAINERS
• APPENDIX D - DEVELOPMENT OF MILITARY PACKAGING REQUIREMENTS FOR KITS (PARTS & MODIFICATION)
• APPENDIX E - MILITARY PACKAGING DATA FORMS
• APPENDIX F - MILITARY PACKAGING DESIGN VALIDATION PROVISIONS
• APPENDIX G - QUALITY ASSURANCE PROVISIONS
• APPENDIX H - PROCEDURES FOR COMPLIANCE WITH CONTAINER DESIGN RETRIEVAL SYSTEM (CDRS) REQUIREMENTS.
• APPENDIX J - MILITARY PACKAGING REQUIREMENT CODES
## FIVE (5) BASIC METHODS OF MILITARY PRESERVATION

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<td>II</td>
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</table>
Types of items to be preserved Method 10:

Plastic, Ceramics, Glass, Painted Metal, Finished Wood Products.

Unpreserved items shall be provided protection from physical damage and mechanical malfunction. Cushioning materials, dunnage, blocking and bracing shall be applied as required to protect the items and the enclosing media and restrict the movement of the item within the container.
METHOD 20
(Formerly Method I)
Preservative Coating Only (with greaseproof wrap, as required)

BARE METAL

REPAIRABLE

PRESERVATIVE

GREASEPROOF WRAP

PRESERVED METHOD 20
READY FOR PACKING
METHOD 31
(Formerly Sub-Method IC-3)
WATERPROOF BAG, SEALED
Waterproof Enclosure, with Preservative as Required

Preserved (as required)
Wrapped (as required)
Cushioned (as required)

Bag - A-A-3174 Type I or II, Grade A, Class 1
MIL-PRF-22191 Type III
MIL-B-22020 as limited by Mil-I-8574
METHOD 32  
(Formerly Sub-Method IC-2)  
CONTAINER, WATERPROOF BAG, SEALED

1. Preserved (as required)  
2. Wrapped (as required)  
3. Cushioned (as required)  
4. PPP-B-566, PPP-B-665, PPP-B-676 or ASTM-D5118  
5. Bag - A-A-3174 Type I or II, Grade A, Class 1  
   MIL-PRF-22191 Type III
METHOD 33
(Formerly Sub-Method IC-1)

GREASEPROOF-WATERPROOF BAG, SEALED

Waterproof or Waterproof-Greaseproof Enclosure, with Preservative as Required

BARRIER, MIL-B-117
Type I, Class C Style 1,2, or 3
or Type II Class C Style 1.

CUSHIONING
(as Required)

GREASEPROOF WRAP

SLING REMOVED, WRAPPED

PRESERVATIVE ON ALL BARE METAL PARTS

BARRIER WRAPS OR BAGS SHOULD NEVER BE USED AS A STORAGE OR SHIPPING CONTAINER. ALWAYS OVERPACK IN THE APPROPRIATE CONTAINER.

IDENT

METHOD 33
PRESERVED ITEM
METHOD 41

(Formerly Sub-Method IA-8)

Watervaporproof Bag, Sealed

Greaseproof Wrap

preservative on bare metal

Bag made from MIL-B-131, Class 2 Folded and Sealed on 2 Edges.

Exhaust Excess Air

READY FOR PACKING

BARRIER WRAPS OR BAGS SHOULD NEVER BE USED AS A STORAGE OR SHIPPING CONTAINER. ALWAYS OVERPACK IN THE APPROPRIATE CONTAINER.
METHOD 42
(Formerly Sub-Method IA-14)
Container, Bag, Sealed, Container

Corner flattened to prevent bag puncture

Cushioning

Item packed tight

Inner carton placed in bag, MIL-B-131, Class 2, heat sealed and identified

Outer carton sealed and identified
METHOD 43
(Formerly Sub-Method IA-16)

FLOATING WATERVAPORPROOF BAG, SEALED

1. Preserved (as required)
2. Wrapped (as required)
3. Cushioned (as required)
4. Bag - MIL-E-6060
5. Container
   Not always required
Method 44
Rigid Container (other than metal)

(Formerly Sub-Method IA-13)

1. Preserved (as required)
2. Wrapped (as required)
3. Cushioned (as required)
4. Container
   Sealed, snug fitting, rigid other than all metal
Method 45
Rigid Metal Container, Sealed

(Formerly Sub-Method IA-5)
METHOD 51

(Formerly Sub-Method bvIIc)

Water vaporproof Bag, Sealed
WITH DESICCANT

Greaseproof Wrap

preservative on bare metal

Bag made from MIL-B-131, Class 2
Folded and Sealed on 2 Edges.

Place Desiccant and Humidity Indicator Inside Bag

Exhaust Excess Air

READY FOR PACKING

BARRIER WRAPS OR BAGS SHOULD NEVER BE USED AS A STORAGE OR SHIPPING CONTAINER. ALWAYS OVERPACK IN THE APPROPRIATE CONTAINER.
METHOD 52
(Formerly Sub-Method II-B)
CONTAINER, WATERVAPORPROOF BAG, SEALED, CONTAINER
Watervaporproof enclosure, with Desiccant, with Preservative as Required

INTIMATE WRAP

INNER CARTON

DESICCANT

BARRIER MIL-B-131

VACUUM EXHAUST AIR & HEAT SEAL THE BAG

HUMIDITY INDICATOR (NORMALLY PLACED INSIDE BARRIER BAG)

OUTER CARTON
## MIL-STD-2073-1E Worksheet

**PURPOSE:** To translate packaging requirements from Orders or Contracts which specify Packaging Requirements Codes in accordance with MIL-STD-2073-1E

<table>
<thead>
<tr>
<th>HEADING</th>
<th>DETAIL</th>
<th>TABLE</th>
<th>CODE</th>
<th>REQUIREMENT</th>
</tr>
</thead>
</table>
| QUP         | Hazardous Material               |                | D = Dangerous
N = Non Regulated
| ICQ         | Quantity per Unit Pack           | Page 142       | Para J.4.3 |
| PRES METH   | Method Preservation              |                | J.I or J.Ia|
| CLNG/DRY    | Cleaning and Drying              | J.II           |
| PRESV MAT   | Preservative Material            | J.III          |
| WRAP MAT    | Wrap Material                    | J.IV           |
| Cush/Dunn Mat | Cushioning / Dunnage Material   | J.V            |
| Thkness     | Cushioning Thickness             | J.VI           |
| UC          | Unit Pack Container              | J.VII          |
| IC          | Intermediate Container          | J.VII          |
| UCL         | Unit Container Level             | J.VIII         |
| OPI         | Optional Procedure Indicator     | J.VIIIa        |
| PACK        | Level A Military Packing         | J.IX           |
| PACK        | Level B Military Packing         | J.IXa          |
| PACK        | Minimal Packing                  | J.IXb          |
| Spec Mark   | Special Marking                  | J.X            |
PACKAGING REQUIREMENT CODES (PRC) - MIL-STD-2073-1E

HM (HAZARDOUS MATERIAL) When the item is regulated by Title 49, Code of Federal Regulations or other regulation such as IATA/ICAO or DLAM 4145.3, a code "D" will be annotated in this block. When the item is not regulated, a code "N" will be annotated although in most cases it is left blank.

QUP (QUANTITY PER UNIT PACK) Para. J.4.3

States the quantity per unit pack in the clear up to 999. BLK will be used for Bulk and ZZZ for Special Requirements listed in supplemental data or drawings

ICQ (INTERMEDIATE CONTAINER QUANTITY) Para J.4.11

When intermediate containers are used, the number of unit packs per intermediate containers up to 100 will be listed in the clear. Other codes may be AAA, XXX or ZZZ.

PRESERVATION Table J.I, & J.Ia

Method of Preservation will be a two (2) digit code derived from the tables. Table J.I information is for the preservation methods and submethods established by Para. 5.2.3 Table J.Ia codes are for packaging procedures which are regularly used and require a more detailed description than allowed by the basic code and yet do not require the use of special packaging instructions. Always check the tables in sequence to avoid errors.

CLEANING & DRYING PROCEDURES Table J.II

This is a one (1) digit code sometimes shown as CLN/DRY or C/D.

PRESERVATIVE MATERIAL Table J.III

A two (2) digit code. Refers to the type of material to be used to coat the item. Table III lists contact preservative material in alphanumeric order.

WRAPS Table J.IV

A two (2) digit code. This is a listing of what the item will be wrapped in after it has been properly preserved.
CUSHIONING AND DUNNAGE  Table J.V

A two (2) digit code. Codes listing the cushioning and dunnage material that will be utilized after the item has been wrapped. This material will usually be placed between the wrapped item and the inside of the unit container.

CUSHIONING THICKNESS  Table J.VI

One (1) digit code listing the minimum thickness that is required between the unit and the unit container in any one direction.

UNIT CONTAINER  Table J.VII

Two (2) digit code listing the type of container into which the item will be placed.

INTERMEDIATE CONTAINER  Table J.VII

Two (2) digit code listing the type of container that is to be used if an intermediate container is necessary.

UNIT CONTAINER LEVEL  Table J.VIII

One (1) digit:

"O" - Denotes the unit container is not an acceptable shipping container.

"A" or "B" - Denotes if the container is an acceptable shipping container and what the highest level of protection will be afforded by this container.

"D" - No container is required.

"M" - Unit container provides minimal packing protection.

"Z" - Indicates that the container requires special considerations (air only, inside storage only, etc.)

OPI (Optional Procedure Indicator)  Table J.VIIIa

"A" is indicated if packaging is in accordance with a specification or a special packaging instruction.

"M" indicates that all packaging data is mandatory for compliance and no substitutions are permitted.

"O" indicates an option can be exercised as to the submethods and packaging materials to used.
MILITARY PACKING  Table J.IX

One (1) digit code. Indicates the type of shipping container for MILITARY packing.

MINIMAL PACKING  Table J.Ixa

One (1) digit code. Indicates the type of shipping container for Minimal packing.

SPECIAL MARKINGS  Table J.X

Two (2) digit code. If more than one code or a combination of codes not included in the table must be specified, "ZZ" will be annotated which indicates that supplemental data is listed elsewhere.

Some contracts will show the following information:

UNIT PACK WEIGHT

Five (5) digit numerical code. It shows the actual unit pack weight in the clear to the nearest on tenth of a pound. The decimal point does not show.

UNIT PACK SIZE

LGTH   WDTH   DPTH

Four (4) digit numerical code. This code shows the outside dimensions in the clear to the nearest tenth of an inch in the order of length, width and depth (or height). The decimal points do not show. (Example: 0035 = 3 1/2”)

UNIT PACK CUBE

WH CUB   1000th

Four (4) digit code for the whole cube and three ( digits in the 1000th column. These numbers indicate the actual cube of the unit pack to the nearest one thousandth of a cubic foot up to 9,999.999 cubic feet.

Packaging Code Lookup Tool

http://www.palm.saic.com
MIL-STD-2073

Paragraph 5.7 Quality Assurance Provisions. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all quality assurance requirements as specified in Appendix G

Quality Assurance Provisions

Appendix G

Preservation Inspections

Visual Preservation Examinations

Leakage Test
  Vacuum Retention Technique
  Submersion or Immersion Technique
  Pneumatic Pressure Technique
  Hot Water Technique
  Squeeze Technique

Heat Sealed Seam Test
Preservation Inspection Provisions

Table G.1

Some of the included visual inspection is for:

- Item contaminated by handling after cleaning.
- Contaminated wiping cloths or compressed air used.
- Preservative not as specified.
- Excessive Preservative.
- Wrap not as specified.
- Cushioning material or thickness not as specified.
- Interior unit container corners not blunted.
- Excessive looseness in unit container.
- Weight & cube of unit pack exceeds maximum allowable.
- Incorrect QUP
- Marking omitted, incorrect or illegible.

When a box or container is used to effect the unit pack of Method 31, 32, 41 and 51, unit pack markings of MIL-STD-129 shall be applied to the barrier bag as well as the box specified to effect the unit pack.
PACKAGE MARKINGS

Four types of Basic Markings

1. Identification Marking

- NSN - (National Stock Number)
- CAGE Code and PN - (Part #)
- Nomenclature
- Quantity and unit of issue
- Contract number (on unit & intermediate containers)
- Military Method and date of unit pack preservation
- Shelf Life Information (if applicable)
- Serial Numbers (if applicable)
- Gross Weight (on exterior containers)

2. Bar Code Markings

- NSN (& Serial Number) for unit and intermediate packs
- NSN, Contract number, CAGE, CLIN, Shipment Number (& Serial Number) on exterior shipping containers

3. Address Markings

- Uses Military Shipping Label (MSL).
- Transportation Control Number (TCN), DODAAC of Ultimate Consignee, and Piece Number must be bar coded when shipment is destined into the Defense Transportation System
- 2D Bar Coding of MSL Information, TCMD data and line item supply data.

4. Special Markings

- Hazardous Material
- Set Marking, Project Code
- Warranty, Manufactured, Cured or Assembled Date
- Expiration, Inspection or Pack Date
- Arrows, Fragile, Special Handling, etc.
- UID and RFID
Unit & Intermediate Container Label Example.

2910-00-456-7416
CAGE 57685
PN 341
CARBURETOR
1 EA
DAA625-03-C-1056
M41 02/08

MFD DATE 01/08
EXP DATE 01/09
SER NO 1157

*Application of the linear bar codes is not required when the 2D (PDF417) identification symbol is used.

ID DATA
INCLUDES UII(s)
(if required)
Unit & Intermediate Containers with linear (Code 39) bar codes

#1 - IDENTIFICATION MARKINGS
- National Stock Number
- Cage Code
- Part Number
- Item Description
- Quantity and Unit of Issue
- Contract Number & Lot Number
- Military Method & Date of Unit Preservation
- Serial Number (When Assigned)

#2 - BAR CODES
- National Stock Number (NSN)
- Serial Number (When Assigned)

*For units without UII

---

#1 - IDENTIFICATION MARKINGS
- National Stock Number
- Cage Code
- Part Number
- Item Description
- Quantity and Unit of Issue
- Contract Number & Lot Number
- Military Method & Date of Unit Preservation
- Serial Number

#2 - 2D (PDF417) Symbol Data with (Data Identifiers)
- National Stock Number (N)
- Serial Number (S)
- Unique Item Identifier (255)

*For units with UII
Exterior Container Label Example.

2910-00-456-7416
CAGE 57685
PN 341
3 EA
DAA625-07-M-1056
M41 02/08
WT 30

*Application of the linear bar codes is not required when the 2D (PDF417) identification symbol is used.
Exterior Containers with linear (Code 39) bar codes

# 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 - LINEAR BAR CODES
- NATIONAL STOCK NUMBER
- CONTRACT NUMBER
- CAGE CODE
- CONTRACT LINE ITEM NUMBER (CLIN)
- CONTRACTOR SHIPMENT NUMBER
- SERIAL NUMBER (List inside)

# 3 - ADDRESS MARKINGS
MILITARY SHIPMENT LABEL (MSL)

6625-01-248-9073
CAGE 19207
PN 622-7345-002
20 EA
F09603-07-M-0860
M10 - 11/07
WT 55
SERIAL NUMBER
LIST INSIDE

*For containers without UII

Exterior Containers with 2D (PDF417) symbol*

# 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 (N)
- CAGE CODE (17V)
- CONTRACT LINE ITEM NUMBER (4K)
- CONTRACTOR SHIPMENT NUMBER (8K)
- SERIAL NUMBER(S) (8)
- UNIQUE ITEM IDENTIFIER (15S)

# 3 - ADDRESS MARKINGS
MILITARY SHIPMENT LABEL (MSL)

6625-01-248-9073
CAGE 19207
PN 622-7345-002
20 EA
F09603-07-M-0860
M10 - 11/07
WT 55
SERIAL NUMBER
LIST INSIDE

ID DATA
EXCLUDES
LIFE

*For containers with UII
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
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

Method 50

Electrostatic Discharge (ESD) Sensitive

Unit Pack

Intermediate and Exterior Pack
Special Markings

Expedited Handling

NMCS
Special Markings

DOT Hazardous Materials

- Proper Shipping Name
- UN Number
- Hazard Labels

UN Performance Specification

Example of a Single or Combination Marking:

\[ u \quad 4G \quad / \quad Y \quad 7.4 \quad / \quad S \quad /99/USA \quad /DOD \]

- (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 "U", Solid or Inner Packings
- (f) Year of Manufacture or Assembly
- (g) State (Country) authorizing mark
- (h) Symbol of Manufacturer/Certifier

Cargo Aircraft Only Label

Package Orientation Marking
HEAT TREATED
Wood Packaging Material

Required for all Wood Packaging Material (WPM). WPM is defined as wood pallets, skids, load boards, pallet collars, wooden boxes, reels, dunnage, crates, frames, and cleats.

(a) Trademark Symbol, logo or name of the accredited agency.
(b) Mill Identification product manufacturer name, brand or assigned mill number
(c) Heat Treated Mark
(d) Country Code - The two letter ISO country abbreviation
(e) Approved International Symbol for compliant non-manufactured wood packing.
(f) Indication that dunnage has been treated.

MUST – 56 degree Celsius (132 F) Core Temp for 30 Minutes
KD19HT – Kiln Dried, 19% Moisture Content, Heat Treated but not sufficient.
Unique Item Identification (UID) of Parts

DFARS Clause 252.211-7003 Item Identification and Valuation
Mandated to be in all solicitations where it will apply as of January 1, 2004. Mandatory requirement—no exceptions or waivers.

UID is required for items valued at $5000 or more, or otherwise specifically required in the contract.

Remember to mark the UID Serial Number placed on the outside of the Unit, Intermediate and Exterior Pack per MIL-STD-129P(3).

www.acq.osd.mil/dpap/UID/
Radio Frequency Identification RFID (Passive)

- DFARS Clause 252.211-7006
- Latest Revision Dated 12 February 2007
- Class 1 Generation 2 tags only after 1 Mar 2007.
- Currently cases/pallets shipped from suppliers – eventually UID items (Phase 3)
- Captures shipment/order data

Official Website  www.dodrfid.org
Contains Policy, Business Rules, Implementation Plan and Supplier Guide
Radio Frequency Identification RFID (Passive)

• Create Number:
  • Size of Tag, - 64 or 96 Bit
  • Type of Object - Case, Pallet or UID Item
  • CAGE - Prime or 3rd Party
  • Serial Number - up to 16,522,293 or 68,719,476,736

• Converted to Binary Code, then Hexadecimal and Electronically Placed on Tag (e.g. 2F02032533139342DFDC1C35)

• Input “Hex” Number into WAWF Advanced Shipping Notice (ASN)

• Hex Number must be exactly 16, 24, 32, or 64 Characters in Length.