

Packaging Requirements Sheet
(Special Packaging Instructions)

NSN: 4320-01-075-9295

- A. Military preservation, packing, and marking for the item identified above shall be accomplished in accordance with the specific requirements identified below, all the applicable requirements of, MIL-STD-2073-1, Revision D, Date 15 Dec 99 and the Special Packaging Instruction contained in the TDP.

PRESERVATION: MILITARY

LEVEL OF PACKING: 1

QUANTITY PER UNIT PACKAGE: 001

SPI NUMBER 4320-01-075-9295

- B. Unitization: Shipments of identical items going to the same destination shall be palletized if they have a total cubic displacement of 50 cubic feet or more unless skids or other forklift handling features are included on the containers. Pallet loads must be stable, and to the greatest extent possible, provide a level top for ease of stacking. A palletized load shall not exceed 4,000 pounds or 54 inches in height and shall allow for two rows of unit loads to be loaded side by side across the width of a standard ISO freight container (ref. ISO 668). The load shall be contained in a manner that will permit safe handling during shipment and storage.
- C. Marking: In addition to any special markings called out on the SPI, all unit packages, intermediate packs, exterior shipping containers, and, as applicable, unitized loads shall be marked in accordance with MIL-STD-129, Revision P, Date 15 Dec 07 including bar coding. The contractor is responsible for application of special markings as discussed in the Military Standard regardless of whether specified in the contract or not. Special markings include, but are not limited to, Shelf-life markings, structural markings, and transportation special handling markings. The marking of pilferable and sensitive materiel will not identify the nature of the materiel.

Contractors and vendors shall apply address markings using a bar coded military shipment label (MSL) for all shipments except contractor to contractor. The MSL will include both linear and 2D bar codes per the standard. The DD Form 250 or the commercial packing list shall have bar coding applied as per Direct Vendor Delivery Shipments in the standard (except for deliveries to DDSP New Cumberland Facility, DDD San Joaquin, Red River Munitions Center and Anniston Munitions Center).

Contractor to contractor shipments shall have the address markings applied to the identification marked side of the exterior shipping container or to the unitized load markings. The following shall be marked "FROM: name and address of consignor and TO: name and address of consignee".

- D. Heat Treatment and Marking of Wood Packaging Materials: All non-manufactured wood used in packaging shall be heat treated to a core temperature of 56 degrees Celsius for a minimum of 30 minutes. The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall be affiliated with an inspection agency accredited by the board of review of the American Lumber Standard Committee. The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall ensure tractability to the original source of heat treatment. Each box/pallet shall be marked to show the conformance to the International Plant Protection Convention Standard. Boxes/pallets and any wood used as inner packaging made of non-manufactured wood shall be heat-treated. The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens; on two sides of the pallet. Foreign manufacturers shall have the heat treatment of non-manufactured wood products verified in accordance with their National Plant Protection Organization's compliance program.
- E. This SPI has been validated and the method of preservation/packing has proven successful in meeting the needs of the military distribution system, including indeterminate storage and shipment throughout the world. Special instructions and/or tailoring of the SPI is detailed in the Supplemental Instructions in Paragraph E below. A prototype package is required to validate the sizes and fit requirements of the SPI. Minor dimensional and size changes are acceptable provided contractor provides the PCO and ACO with notification 60 days prior to delivery. Any design changes or changes in the method of preservation that provide a cost savings without degrading the method of preservation or packing or affecting the serviceability of the item will be considered and responded to within 10 days of submission to PCO and ACO. Government reserves the right to require testing to validate alternate industrial preservation methods, materials, alternate blocking, bracing, cushioning, and packing.

SUPPLEMENTAL INSTRUCTIONS: The software for development of the MSI is called DSI. The software can be downloaded from <http://www.afm-trad.com/dsi/dsi.htm>. Once at the website, go to the DSI statement column and double click on the "See the CATT Tools" link. A laser printer can be used to print the MSI and the associated 2D symbol. The program only prints the linear bar code if the fonts are installed. In order to install the fonts go to start on your windows menu; then go to "settings", then "control panel", click on "fonts", select "file" from top left drop down menu, select "install new font", use drop down menu (left box) to find CATT program, select (double click) the "CATT" program, (a selection of fonts should appear), double click on "select all", once the fonts are selected double click the "ok" button. Follow prompts to accept fonts. The fonts will then be copied to the CATT program. Once they are copied return to the program. The linear bar codes should appear on your screen and should also print out in the appropriate positions.

DELETE MIL-P-116 AND REPLACE WITH MIL-STD-2073-1. DELETE MIL-B-121 AND REPLACE WITH MIL-PRF-121. DELETE MIL-C-5501 AND REPLACE WITH NAS-847. DELETE MIL-B-117 AND REPLACE WITH MIL-DTL-117.