

**Seller Packaging, Handling, Storage and Transportability Instructions  
for Direct Shipment of Items to the U.S. Government via Wide Area Work Flow**

REPLACES 16PP225D

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**PM-801**  
**Revision Summary**

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## 1.0 GENERAL

- 1.1 Scope – These instructions supplement the purchase order (“PO”) of which this document is a part, and establish the packaging, packing, marking, handling, transportability and shipping instructions for direct shipments by Seller or Seller’s subtier suppliers at all tiers, to the U.S. Government via Wide Area Work Flow (WAWF) Receiving Report. Seller shall ensure that each of its subtier suppliers making any such shipment to other than Seller shall comply with PM-801 as though it were Seller hereunder. The term “PO” is interchangeable with the word “Contract” as may be used elsewhere in the PO. The term “Buyer” is interchangeable with the term “LOCKHEED MARTIN” as may be used elsewhere in the PO. It is imperative that Seller have access to and an understanding of military packaging standards. Any deviation proposed by Seller requires written approval of Buyer prior to the implementation thereof.
- 1.2 Communication – All communications, data, drawings, messages, and correspondence shall be in the English language. Standards and cost shall be in U.S. units of measure. Packaging drawings shall be dimensioned in inches.
- 1.3 Shipment Routing – For routing guidelines see the Carrier Selection Guide accessible via the Lockheed Martin Aeronautics Material Management home page on the Internet World Wide Web. As of the date hereof, the URL is: <http://www.lockheedmartin.com/aeronautics/materialmanagement/shipping/carrierselectionguide.html>  
Carrier Selection Guide will be the tool for routing guidelines unless notified by the Buyer as Lockheed Martin transitions to a Transportation Management System (TMS)
  - A. Supply Chain Security – Buyer supports the U.S. Customs and Border Protection (CBP) Customs-Trade Partnership Against Terrorism (C-TPAT) initiative. The C-TPAT program is a joint effort between CBP and the trade community to reduce the threat of terrorism by means of protecting the integrity of cargo imported into the United States. To the extent that Seller is a foreign supplier of imported goods, it agrees to scrutinize, based on risk, appropriate security measures to be implemented and maintained throughout the supply chain such as transporters, conveyers, warehousemen, brokers, consolidators, or other elements. Seller agrees to work with these business partners to ensure that pertinent security measures are in place and adhered to and, where necessary, develop sufficient security measures within its own supply chain.

2.0 APPLICABLE DOCUMENTS

The following documents in effect at the time of shipment shall form a part of this shipping instruction to the extent specified herein:

- 2.1 Buyer Document – Appendix VII/D Lockheed Martin Aeronautics Company Supplemental Shipping Instructions forms a part of this document to the extent specified herein.
- 2.2 Specifications/Standards (Latest version in effect)
  - ASTM D3951 Standard Practice for Commercial Packaging
  - MIL-STD-129P Marking for Shipment and Storage
  - MIL-STD-2073-1E Standard Practice for Military Packaging
  - NISPOM National Industrial Security Program Operating Manual, Section 5-408 and 5-409
  - T.O. 00-85B-3 HOW TO PACKAGE AIR FORCE SPARES

3.0 DEFINITIONS

- Consumable An item of supply (except explosive ordnance, major end items of equipment, and repairables) that is normally expended or used up beyond recovery in the use for which it was designed or intended.
- Repairable An Item which, by the application of engineering, economic, and other factors, could be reasonably restored to a serviceable condition through regular repair procedures.
- Unique Identification (UID) A combination of data elements for an Item that is globally unique and unambiguous, ensures data integrity and data quality throughout life of the Item, and supports multi-faceted business applications and users. Unique identifiers rely upon two methods of serialization: (1) Serialization within the enterprise and (2) Serialization within the original part number of the enterprise.

4.0 PRESERVATION, PACKAGING AND PACKING

- 4.1 General - This procedure establishes the requirements for effective preservation, packaging, packing and marking of deliverable assets and those U.S. Government assets under Seller’s control. The design, development, test, and approval of data and packaging shall comply with the requirements, criteria and procedures outlined in MIL-STD-2073-1E, and this document.
- 4.2 Seller Compliance - Seller shall implement and maintain an integrated packaging process based upon compliance with MIL-STD-2073-1E for military packaging and ASTM D3951, or equivalent standard, for commercial packaging. The process, documentation, media, data and metrics shall be made available to Buyer.
- 4.3 Levels of Protection – Unless otherwise stipulated in the Purchase Order of which this PM-801 is a part, military levels of preservation and packing shall be as specified below for the following anticipated destinations and use factors to ensure that Items are not degraded during shipment and storage:

		Levels of Protection			
		MIL-STD-2073-1D		COMMERCIAL (ASTM D3951)	
Item (Line item number, Item name, NSN, part number, etc.) For example: Repairables, Spares, Support Equipment	*QUP	Level of Preservation Military (M)	Levels of Packing (A or B)	Preservation (X)	Packing (X)
Air/Overseas/FMS	1	M	B		
Surface/Overseas/FMS	1	M	B		
Repairables/Spares	1	M	B		
Air/Surface/CONUS Consumables - Storage required	1	M			X
Air/Surface/CONUS Consumables - No Storage required	1			X	X

\*QUP – Quantity per Unit Pack

- 4.3.1 Military Level of Preservation – Preservation designed to protect an Item during shipment, handling, indeterminate storage, and distribution to consignees worldwide.

- 4.3.2 Military Levels of Packing – Levels of packing specify how the contents will be protected. There are two military levels of packing. Level A packing meets the most severe worldwide shipment, handling, and storage conditions. Examples of containers used for Level A packing requirements include, but are not limited to, overseas type wooden boxes, and plastic and/or metal reusable containers. Level B packing meets moderate worldwide shipment, handling, and storage conditions. 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.
- 4.3.3 Amended Shipping Instructions - Items shipped in response to Amended Shipping Instructions (ASIs) shall be preserved, packaged, and packed in accordance with the requirements detailed in the ASI. Changes in cost resulting from ASIs shall be identified and processed according to applicable Purchase Order provisions, provided by Buyer.
- 4.4 Use of Existing Packaging Requirements – Seller shall access SPIRES (Special Packaging Instruction Retrieval & Exchange System) to retrieve existing special packaging instructions for repairable and serviceable spare parts. As of the date hereof, the URL is: <https://spires.wpafb.af.mil/index.cfm> . If adequate military packaging requirements have already been developed for the Item, Seller shall use these requirements.
- 4.5 Containers – Seller shall select unit, intermediate and exterior containers in accordance with MIL-STD-2073-1E.
- 4.5.1 Containers made from Regulated wood packaging materials (WPM) – Seller shall process or treat coniferous and non-coniferous raw wood in accordance with the current version of the International Standard for Phytosanitary Measures (ISPM) No.15 - “Guidelines for Regulating Wood Packaging Material in International Trade”. This document can be found at: <https://www.ippc.int/IPP/En/default.htm>. In conjunction with ISPM 15, Seller shall obtain certification from an accredited agency recognized by the Seller’s National Plant Protection Organization (NPPO). (United States - Animal and Plant Health Inspection Service (APHIS) – [http://www.aphis.usda.gov/import\\_export/plants/plant\\_exports/wpm/index.shtml](http://www.aphis.usda.gov/import_export/plants/plant_exports/wpm/index.shtml))
- 4.5.2 Containers made from Non-Regulated WPM – Plywood, particle board, and oriented strand board or veneers are exempt from the requirements of paragraph 4.5.1 above.



- 4.5.3 Reusable Containers - Seller shall use reusable containers for spares and Items subject to recycling for repairs, overhaul, or other technical order compliance. Below are examples of reusable containers in the order of precedence:
- Multi-Application Containers - Containers designed to protect a variety of components within a given fragility and size range. Short life multi-application containers include “fast packs,” consisting of a family of standard size cushioned fiberboard shipping containers of four types. A complete list of fast pack containers is in MIL-STD-2073-1D and is fully described in commercial standard PPP-B-1672. Packaging tests are not required when fast packs are selected. Seller is encouraged to use fast pack containers for the low labor costs of insertion and removal of Items.
  - Short Life Containers (10 trips minimum) - Containers capable of being reused a limited number of times and fabricated from wood, plywood, fiberboard or similar material that has limited life.
  - Specialized Containers - Containers (i.e., dual-function) fabricated from ferrous, non-ferrous, or thermoplastic materials, or combinations requiring engineering drawings for control of materials, dimensional tolerances, form fabrication and assembly. These specialized containers will be used only when necessary to protect the component and when cost justifiable and agreed upon by Buyer and Seller.
- 4.6 Military Preservation and Packaging Data (P/P Data) Requirements - Seller shall comply with the detailed Preservation and Packaging data (P/P Data) when provided by Buyer or the U.S. Government. Seller shall not develop P/P Data without authorization from Buyer, and will be advised by Buyer when such data development is required. If Seller is not required to submit data, and data is not furnished by Buyer or the U.S. Government, Items will be packaged as specified herein, and Seller shall not be entitled to reimbursement of any developmental data costs.
- 5.0 Hazardous Materials
- 5.1 Hazardous Material Packaging - Seller shall package hazardous materials IAW MIL-STD-2073-1E, table J.Ia, code “HM”.
- 5.2 Hazardous Material Package Testing – Seller shall test hazardous material packaging IAW MIL-STD-2073-1E, Appendix F.
- 5.3 Hazardous Material Shipment Documentation – Seller shall include documentation for all hazardous materials IAW MIL-STD-2073-1E.

- 5.4 Submission of Material Safety Data Sheet (MSDS) – Seller shall prepare an MSDS for every Item categorized as a restricted article or hazardous material. Seller shall ensure that the format complies with the Occupational Safety and Health Administration’s (OSHA) Hazard Communication Standard, 29 CFR 1910.1200. In order for the MSDS to be valid, Seller shall ensure that all information required by Article 1910.1200(g) of the Standard appears on the form.
  - 5.5 Classification for Explosives or other Dangerous Items – Seller shall submit to Buyer and/or Buyer’s Packaging Engineering Address the Department of Transportation (DOT) approved explosive and dangerous articles classification data.
  - 5.6 Certifications/Exemptions/Permits – Seller shall include Buyer and the U.S. Government as parties to all such certifications and permits. The manufacturing certification shall be applied to the container and referenced on shipment documentation at the time of shipment.
  - 5.7 Emergency Response/Hazard Communication – Emergency response information and hazard communication shall be provided by Seller with the shipment per the requirements of 49 CFR, Subpart G, and 29 CFR 1910.1200.
- 6.0 Marking Requirements
- 6.1 Military Marking Requirements – Seller shall mark all unit, intermediate and exterior packs in accordance with current version of MIL-STD-129. Interior bags or containers, when enclosed within another container to complete a unit pack, shall also be marked by Seller as specified for unit pack identification in the current version of MIL-STD-129.
  - 6.2 Address and Special Marking Requirements – Seller shall apply address markings to include the military shipping label (MSL) and respective bar code symbols, which shall be as specified in DOD 4500.9-R, Part II, Chapter 208 and as summarized in MIL-STD-129. Special marking requirements shall be applied by Seller when required by the Purchase Order of which this PM-801 is a part or an Appendix thereto.
- 7.0 Shipment Documentation
- 7.1 Preparation and Distribution of WAWF Receiving Report – Seller shall prepare and distribute WAWF Receiving Report in compliance with Appendix F, Department of Defense (DOD) Federal Acquisition Regulation (FAR) Supplement and Appendix VII/D, and such Supplement Shipping Instructions as are furnished by Buyer. Accurate preparation of this document is crucial since it supports payment to Seller.

- 7.2 Submit WAWF Receiving Report electronically – Seller shall submit receiving report electronically via WAWF (Wide Area Work Flow). As of the date hereof, the URL is: <https://wawf.eb.mil/FuncInfo.html>
- 7.3 Forward copy of WAWF Receiving Report – Seller shall forward a copy of the submitted WAWF Receiving Report to Buyer. The submitted copy (e-mail or fax) will allow the Buyer to pay Seller.
- 7.4 Correction of the WAWF Receiving Report – Seller shall promptly prepare a corrected copy of the WAWF Receiving Report when correction is required due to errors or omissions, or when requested by Buyer in writing. Seller shall ensure that the corrected document will receive the same distribution as the document it replaces.
- 8.0 Classified Shipments
- 8.1 Prepare and Ship Classified Materials – Seller shall prepare and ship classified materials in compliance with the National Industrial Security Program Operating Manual (NISPOM) and the applicable NATO Security Regulation.
- 9.0 Transportability
- 9.1 Transportability Criteria – Where Item design factors or configuration inhibit transportability, Seller shall prepare and submit, to Buyer’s Packaging Engineering Address, a transportability report describing the shipment. The report can be in accordance with Seller’s format. For the purpose of this specification, design factors or configuration shall be regarded as inhibiting transportability when:
- Dimensions exceed 8 feet in height, 8 feet in width, or 32 feet in length, and/or gross weight is in excess of 11,200 pounds (domestic)  
or
  - Dimensions exceed 7 feet in height, 6.5 feet in width, or 18.5 feet in length, and gross weight is in excess of 10,000 pounds (international)  
or
  - An Item requires temperature, pressure, shock, or vibration isolation in containers and fixtures  
or
  - An unusual and/or abnormal Item configuration exists

Buyer’s Packaging Engineering Address:  
Lockheed Martin Aeronautics Company – Fort Worth  
P.O. Box 748  
Fort Worth, TX 76101  
Attn: Packaging Engineering  
Mail Zone: 6888

Lockheed Martin Aeronautics Company – Marietta  
86 South Cobb Drive  
Marietta, GA 30063  
Attn: Packaging Engineering  
Mail Zone: 0664

10.0 Transportation

10.1 General – Shipments originating within the continental United States which are eligible for U. S. Government Transportation. Seller shall ship in compliance with DOD 4500.32-R Military Standard Transportation and Movement Procedure (MILSTAMP) using either a Commercial Bill of Lading (CBL), or the Defense Transportation System (DTS). Commercial collect shipments are made only when authorized by Buyer in writing or directed by the Purchase Order of which this PM-801 is a part.

10.2 Commercial Bills of Lading (CBLs) – Seller shall make shipments in accordance with DOD 4500.32-R Military Standard Transportation and Movement Procedure. Control of CBLs rests with the resident U.S. Government Transportation Officer having appropriate delegated authority. Ultimate control will remain with the cognizant Transportation Officer for the Prime Contract.

11.0 Shipping System and Records

11.1 Shipping System – Seller shall maintain a shipping system and supporting procedures to ensure that all requirements of this specification are met. Upon request by Buyer, Seller shall make available records of examinations and tests made by Seller regarding packaging integrity.

11.2 Direct Shipment Authorization (DSA) – Seller shall not direct ship any U.S. Government assets unless it has first obtained written Direct Ship Authorization (DSA) from Buyer. Approval by Buyer requires the U.S. Government Representative's written approval.