

# LMSSC PACKAGING STANDARD

Revision: 0.0

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## STANDARD PACKAGING MATERIAL LIST FOR LMSSC SHIPPING FACILITIES

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### 1.0 SCOPE

- 1.1 This packaging standard identifies the commercial materials that may be called out on packaging designs and instructions at LMSSC Shipping Facilities. This standard is for LMSSC internal use only.

### 2.0 REFERENCES

- 2.1 LMSSC Manufacturing Process Instruction MPI-931051-010, Packaging, Handling, Storage and Transportation (PHST)
- 2.2 LMSSC Manufacturing Process Instruction MPI-931051-020, Packaging and Handling of Contamination-Controlled Hardware
- 2.3 LMSSC Manufacturing Process Instruction MPI-441008, Protection of Electrostatic Sensitive Discharge Sensitive (ESDS) Devices
- 2.4 LMSSC Command Media, N2.3-T1-ProdProt-1.0-S1, Packaging, Handling, Storage and Transportation (PHST) Standard
- 2.5 LMSSC Command Media, N2.3-T1-ProdProt-1.0-G1, Packaging, Handling, Storage and Transportation (PHST) Guidebook

### 3.0 GENERAL REQUIREMENTS

- 3.1 Packaging material restrictions are identified in command media N2.3-T1-ProdProt-1.0-S1 and -G1, as well as Manufacturing Process Instruction MPI-931051-010.
- 3.2 Contracts should be reviewed for Military and NASA packaging restrictions. Contact Product Protection if you are unable to access the Electronic Contracting Environment Database. Material manufacturers may be required to provide a Certificate of Conformance (CoC) if Military or NASA packaging standards are invoked by contract. Military and NASA packaging is typically invoked by MIL-STD-2073 and NPR6000.1. The FBM Program invokes a hybrid of military packaging through OS8244. In these cases, commercial materials will have to be separated from materials bought to a CoC.
- 3.3 Packaging materials for the primary preservation of ESD and contamination sensitive items (visibly clean and precision clean) are not listed in this standard. These preservation methods are usually performed prior to the items arrival in a Shipping Facility and require materials that were bought to the

**4.0 DETAILED PACKAGING INSTRUCTIONS**

- 4.1 Packaging materials approved by this standard are listed in Table I.
- 4.2 Shipping Facilities may carry an inventory of additional materials based on the programs they support and the types of products they package.

**TABLE I – STANDARD PACKAGING MATERIALS FOR SHIPPING FACILITIES**

Env. Friendly	Description	Reference Specification	PMP Database Code
	<b>WRAPPING MATERIALS</b>		
--	Plastic Sheet, Polyolefin	A-A-3174, Type I, Class 1, Grade A	LM-YC10700 Series
X	Wrapping Paper, Chemically Neutral (Non-Corrosive), Flat (Kraft)	MIL-DTL-17667, Type I	LM-YC10571A or B
--	Plastic Film, Cushioning, Flexible, Cellular (Regular Non-Anti-Static Bubble Wrap)	PPP-C-795, Class 1, Thin to Thick (1/4" to 1/2" Thick)	--
--	Sheet, Closed Cell Polypropylene Foam	A-A-59135, Class 1 or 2, Grade A (White), 1/8" to 1/4" Thick)	--
X	Kraft Paper, 3-Ply Flexible (requires leasing a Ran Pak, Paper Plus or similar converter). <u>Note:</u> this is a good substitute for loose fill peanuts.	A-A-59311	--
	<b>WATERVAPOR BARRIER MATERIALS</b>		
--	Barrier Materials, Watervaporproof, Greaseproof, Flexible, Heat-Sealable	MIL-PRF-131, Class 1	LM-YC10685A
--	Barrier		

		CF, Class: Domestic, Variety: Single Wall, Style: RSC, Grade: 44 ECT or 250 Burst, Size: Optional, Color: Optional	--
X	Domestic Corrugated Fiberboard Boxes, Double Wall	ASTM D5118, Type: CF, Class: Domestic, Variety: Double Wall, Style: RSC, Grade: 61 ECT or 350 Burst, Size: Optional, Color: Optional	--
X	Weather Resistant Corrugated Fiberboard Boxes, Single Wall	ASTM D5118, Type: CF, Class: Weather Resistant, Variety: Single Wall, Style: RSC, Grade: V or W grades per ASTM D5118 Table 3, Size: Optional, Color: Optional	--
X	Weather Resistant Corrugated Fiberboard Boxes, Double Wall	ASTM D5118, Type: CF, Class: Domestic, Variety: Double Wall, Style: RSC, Grade: V or W grades per ASTM D5118 Table 3, Size: .48 re f 361.44 533.04 101.88 0.48 re 4 51(iz)-3(e)	

		Style 1	
--	Strapping, Flat Steel, Heavy Duty, 1 1/4" wide x 0.031" thick	ASTM D3953, Type 1, Heavy Duty, Finish A	--
--	Strapping Seals, Snap on or Open, for 1 1/4" wide x 0.031" thick Heavy Duty Strapping		