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## PACKAGING OF MAGNETIC TAPES

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### 1.0 SCOPE

This standard provides a method for the packaging of computer magnetic tapes.

### 2.0 REFERENCES

#### 2.1 LMSC DOCUMENTS

2.1.1 LPS 40-001, LMSC Packaging Standard, "General Requirements Specification"

#### 2.2 GOVERNMENT/MILITARY DOCUMENTS

2.2.1 MIL-E-17555G, "Electrical and Electrical Equipment, Accessories and Repair Parts: Packaging and Packing of"

2.2.2 W-D-001663 (GSA-FSS) "Disk-Pack, for Data Storage (Magnetic Recording, 14-inch, 11 Disks)"

2.2.3 W-T-001553 (GSA-FSS) "Tape, Recording, Instrumentation, Magnetic Oxide-Coated"

2.2.4 W-T-001572 (GSA-FSS) "Tape, Recording, Audio, 1/4-Inch Magnetic Oxide-Coated"

### 3.0 REQUIREMENTS

#### 3.1 GENERAL

3.1.1 The requirements of LPS 40-001 shall be met in addition to provisions of this Packaging Standard.

3.1.2 The quantity per unit package shall be one (1) each. Items shall be clean and free of foreign matter/contaminants injurious to their function/performance.

3.1.3 Containers/packages shall be of good quality consistent with acceptable commercial standards and workmanship.

3.1.4 Magnetic tapes shall not be subjected to x-rays, electrical and/or magnetic fields.

#### 3.2 UNIT PACKAGING

3.2.1 Place each magnetic tape in a two part plastic or end-loading plastic cartridge (see Figure 1).

3.2.2 Place each cartridge in a close-fitting heat sealable plastic bag, 2 to 4 mils thick minimum. A folded and taped closure is permitted if heat sealer is not available.

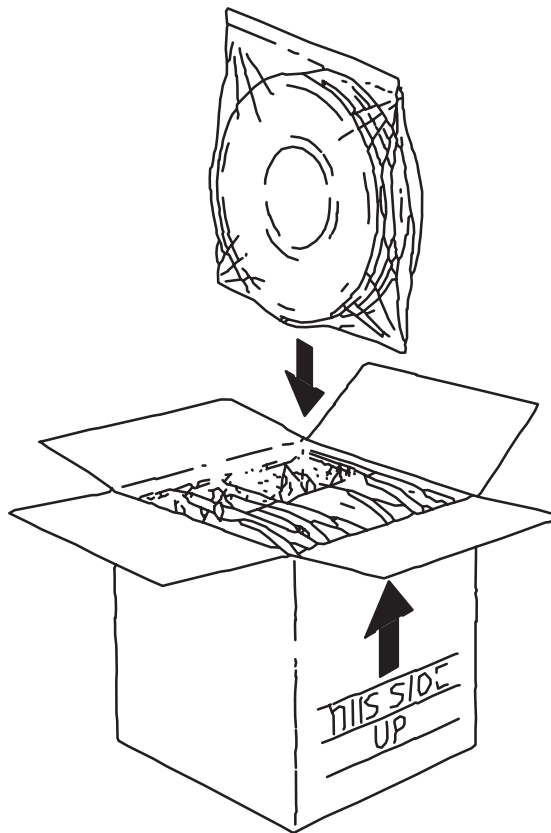
#### 3.3 INTERMEDIATE PACKAGING

3.3.1 Pack unit packages containing identical items uniformly into fiberboard containers with sufficient cushioning of dunnage to prevent damage. Gross weight/ dimensions of each container shall not exceed its design specification.

**CAUTION:** Damage to tapes may occur when they are packed, shipped, and/or stored for extended (over 90 days) periods of time on their sides. It is recommended that they be packed, shipped and stored standing up (see Figure 1).

3.3.2 Fill all voids with suitable dunnage, blocking or bracing to prevent damage during handling/shipment.

**NOTE:** Cushioning or dunnage should be used to protect tapes from being damaged.



NOTE

CUSHIONING OR DUNNAGE SHOULD BE USED TO PROTECT TAPES FROM BEING DAMAGED.

Figure 1.

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3.4 PACKING

- 3.4.1 Pack any number of intermediate containers uniformly into each shipping container and comply to 3.4.2.
- 3.4.2 Shipping containers as packed, shall protect each item and package during handling and shipping and shall meet the minimum requirements of the common carriers for safe transportation at the lowest rate to the point of delivery.
- 3.4.3 Intermediate containers which meet requirements of Paragraph 3.4.2 may be used as shipping containers.
- 3.4.4 Enclose or attach a copy of packing slip to the shipping container.

3.5 MARKING

- 3.5.1 Unit Packaging Marking – Unless otherwise specified, apply pressure-sensitive label(s) to each individual package. Marking shall be clear and legible.

If markings are legible when read through heat sealable plastic bag, then they don't need to be reapplied.

Label must show part number per contracting document, manufacturer's name (may be abbreviated but logo is not acceptable) and lot date code (LDC), if applicable. Additional markings may be specified in the item detail specifications, drawing or purchase order.

Apply special labels if applicable (i.e., "DO NOT X-RAY," "THERMAL CONTROL" per P-201, "DO NOT OPEN UNTIL READY FOR USE OR INSPECTION," etc.

- 3.5.2 Intermediate Packaging Marking – Label or mark each intermediate package in a clear and legible manner to show part number per contract document, manufacturer's name (may be abbreviated but logo is not acceptable) and quantity within the intermediate package. Apply special labels if applicable.

3.5.3 Shipping Container Marking – Label or mark each container to show part number per contracting document, supplier’s name, total quantity within shipping container, LMSC contracting document number and destination.

Special precautionary and handling markings (e.g., “THIS SIDE UP”) shall be applied if required.

#### **4.0 QUALITY ASSURANCE**

4.1 Packages, materials or marking which does not conform to the requirements of this standard are subject to rejection and return to supplier at his expense.

#### **5.0 NOTES**

##### 5.1 REFERENCES

<b><u>Commodity</u></b>	<b><u>Military/Commercial Specifications</u></b>
Bags, Plastic, Polyethylene (General Purpose)	PPP-B-28
Box, Fiberboard	PPP-B-636
Cushioning, Cellulosic	PPP-B-843
Cushioning, Free Flow	MIL-C-23734
Cushioning, Polyurethane	MIL-P-26514
Sheet, Plastic	L-P-378, Type I Flexible