

**HARDCOPY
NOT CONTROLLED**



communications
Link Simulation & Training

Instruction
Hardware Engineering

No. LMS 4-3

SUBJECT: Electrostatic Discharge Sensitive (ESDS) Devices

APPROVED BY Manager, Hardware Engineering

STATUS Original

PURPOSE This Link Manufacturing Standard (LMS) establishes mandatory requirements for the protection of Electrostatic Discharge Sensitive (ESDS) Devices and assemblies containing these devices where such requirements have been identified and noted on the engineering documentation.

AFFECTED FUNCTIONS Hardware Engineering
Quality Assurance

REFERENCES Link Quality Instruction **6-3-134, "Electrostatic Discharge Control Program"**
MIL-STD-1285, "Marking of Electrical and Electronic Parts"
MIL-HDBK-263, "Electrostatic Discharge Control Handbook"
MIL-STD-1686, "Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts"

FORMS USED None

DEFINITIONS Assemblies - Refers to Link designed subassemblies and assemblies.
Assemblies are up to, but not including, the equipment level.

Electrostatic Discharge - A transfer of electrostatic charge between bodies at different potentials caused by direct contact or induced by an electrostatic field

Electrostatic Discharge Sensitive Items - Electrical and electronic parts, assemblies and equipment that are susceptible to damage from ESD voltages

Items - Refers to parts, assemblies and equipment

Parts - Electrical and electronic parts used in Link designs

GENERAL

06-19-09

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Items so noted as being ESDS items are to be protected from electrostatic discharge during all phases of manufacturing, assembly, test, receiving stocking and shipping.

REQUIREMENTS

1. Vendors who supply goods and services to Link shall establish and follow an Electrostatic Discharge Control Program under the guidance of MIL-HDBK-263 and in accordance with MIL-STD-1686. ESDS items furnished shall be marked per the requirements of MIL-STD-1285.
2. When the goods and services are provided by Link, the requirements of Link Quality Work Instruction [6-3-134](#) shall be met.