

Subject: Component Part Line Voltage Tolerance

APPROVED BY Manager, Hardware Engineering

STATUS Maintenance Revision

PURPOSE Establishes the acceptable line voltage tolerances of components when those tolerances are not specified on the engineering drawing. L-3 Communications Corporation, Link Simulation & Training Division (hereafter referred to as Link) personnel shall allow components to be used when they meet the requirements of this instruction in respect to voltage tolerance.

AFFECTED FUNCTIONS Hardware Engineering
Manufacturing

REFERENCES None

DEFINITIONS None

INSTRUCTION

1. Requirements

1.1 Voltage Tolerances

- a. When voltage tolerances are specified on the drawing, the parts shall be within those tolerances.
- b. When voltage tolerances are not specified on the drawing, parts rated within the ranges of 108-132 VAC and 187-229 VAC shall be acceptable at any specified voltage rating within the applicable range. For example: the receipt of a part rated at 117 VAC is acceptable even though the drawing specifies 120 VAC or 110 VAC.

NOTE: The line voltage ratings specified above are $\pm 10\%$ of 208/120 VAC service.

- c. These voltage tolerances apply to such parts as circuit breakers, solenoids, motors, generators, transformers, synchros, power supplies, etc.

**UNSIGNED HARDCOPY
NOT CONTROLLED**



Instruction
Hardware Engineering

No. LMS 11-16

2. Quality Assurance Provisions
 - 2.1 The Quality Assurance Organization shall be responsible for assuring that the requirements of this instruction are met.
3. Preparation for Delivery (Not Applicable)