

AT&T ENGINEERING REQUIREMENT CHANGE NOTIFICATION - ATT-TP76400-002

TO: ALL AT&T ENGINEERING SUPPLIERS

Date: 04-23-07

EFFECTIVE DATE: 5 days from posted date or per supplier's contract

Submitter's Name: Chuck Stahulak

TP: TP76400 Subject: DC Power Reference Table Action: __ Add Modification _ Delete

Section: 8 Section Title: CABLE RACK AUXILARY FRAMING AND LIGHTING SYSTEMS

Section: 5 Section Title: FRAME AND AISLE LIGHTING - FLUORESCENT

Subsection: 5.1 Subsection Title: General

Prior to Change:

- 5.1.2 Network access lighting (lighting placed for the specific purpose of maintaining
- 5.1.3 Network operations or restoral while on protected battery power) shall have battery back-up (either integrated in the lighting fixture or provided via essential AC) or DC ballast powered by associated DC power plant. (See Table 6-4, Section 6)

Post Change:

- 5.1.2 Network access lighting (lighting placed for the specific purpose of maintaining network operations or restoral while on protected battery power) shall have battery back-up (either integrated in the lighting fixture or provided via essential AC) or DC ballast powered by associated DC power plant. (See Table 6-4, Section 6)
- 5.1.3 General building lighting shall be on Essential Power.
- 5.1.4 In some Processor Logic Control (PLC) systems fluorescent lighting is provided as an integral part of the equipment. In such cases, the manufacturer's specifications for lighting shall be followed.
- 5.1.5 All wiring, conduit and fixtures installed in AT&T LEC locations shall meet or exceed the requirements of the National Electrical Code (NEC) and local building codes.
- 5.1.6 For lumen levels see Section 6 of ATT-TP-76400.
- 5.1.7 See Section 13 of ATT-TP-76400 for grounding of equipment in the conduit system.
- 5.1.8 AC lighting in battery, power and engine rooms shall utilize fixtures with protective covers that will reasonably prevent the dislodging or shattering of the light due to activity (e.g., "egg crate" grill or cage assemblies).
- 5.1.9 All fluorescent light fixtures shall be equipped with positively fixed lamp guards.
- 5.1.10 Any 120 Volt AC branch circuit shall be as follows:
 - a) 15 Ampere Fuse/ACB shall not exceed 1440 Watts;
 - b) 20 Ampere Fuse/ACB shall not exceed 1920 Watts.Electrical load for circuits supplying electrical load for fluorescent fixtures shall be calculated by multiplying the lamps wattage by 1.25 (this will compensate for the step-up voltage)
- 5.1.11 Typical arrangements shown on manufacturer's drawings may be varied to meet job requirements. Lighting fixture assemblies, other than those specified on the manufacturer's standard equipment drawings, shall be furnished only with the approval of the AT&T LEC Equipment Engineer.

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Questions relative to this ERCN should be addressed to Laurie Gustin at 310-640-4220

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Access the TP's on the Extranet Site <https://ebiznet.sbc.com/sbcnebs>

Concurred:

Senior Engineering Manager Network, Quality, Midwest
(Chuck Stahulak)

Date: 04-23-07

Release Approved

Project Manager Area Manager, NP&E
(Laurie Gustin)

Date: 04-23-07