Avaya Inc.
Bell Labs Innovations

Addendum 555-233-103, Issue 1 Date: May 1998
Off-Premises Circuit Protection
DEFINITY Enterprise Communication R6 documents
Comcode108291303

This addendum provides important information.

The packet of addendum information enclosed with this cover memo, includes the necessary replacement pages to DEFINITY Enterprise Communications Server R6 documents. Incorporating this addendum, where applicable, updates your copy of this document to current status.

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Avaya Inc. formed as a result of Lucent's planned restructuring, designs builds and delivers voice, converged voice and data, customer relationship management, messaging, multi-service networking and structured cabling products and services. Avaya Labs is the research and development arm for the company.

ADDENDUM Description

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When you have incorporated the addendum, insert the addendum description into your document behind the title page to serve as a record that the document has been updated.

Document Changes

Off-Premises Circuit Protection

Protection from hazardous voltages and currents is required for all off-premises (out of building) trunks, lines, and terminal installations. Both over-voltage protection (lightning, power induction, and so forth), and sneak current protection are required. Sneak current protectors must be either UL listed/CSA certified, or must comply with local safety standards.

Sneak current protectors must have a maximum rating of 350 mA, and a minimum voltage rating of 600V, or as required by local regulations.
The following devices protect the system from over-voltages:

- Analog trunks use the 507B sneak protector or equivalent. Over-voltage protection is normally provided by the local telephone company.
- Analog voice terminals use one of the following types of combined over-voltage and sneak current protection, or equivalent:
  - Carbon block with heat coil for UL code 4B1C
  - Gas tube with heat coil for UL code 4B1E-W
  - Solid state with heat coil for UL code 4C1S
- DCP and ISDN-BRI terminals use the solid state 4C3S-75 with heat coil protector, or equivalent
- DS1 /E1/T1 circuits require isolation from exposed facilities. This isolation may be provided by a CSU (T1), LIU (E1), or other equipment that provides equivalent protection

Please make the above changes/additions to the following manuals:

- *System Description Pocket Reference*, 555-230-211 - direct replacement for Chapter 1, Site Requirements, System Protection, Over-voltage Protection section.

- *Installation and Test for Multi-Carrier Cabinets*, 555-230-112 - Insert in Chapter 2, Install Telecommunications Cabling, Installation Requirements section, prior to Sneak Fuse Panels and Emergency Transfer Units.
- I*nstallation and Test for Single-Carrier Cabinets*, 555-230-894 - Insert in Chapter 2, Install Telecommunications Cabling, Installation Requirements section, prior to Sneak Fuse Panels and Emergency Transfer Units.
- *Installation and Test for Compact Modular Cabinets*, 555-230-128 - Insert in Chapter 1, Install and Cable the Cabinets, Install Equipment Room Hardware section, prior to Install Sneak Fuse Panels.
- *Installation and Upgrades for CSCC*, 555-230-124 - Insert in Chapter 2, Install Telecommunications Cabling, Equipment Room Hardware section, prior to Install Sneak Fuse Panels.

Removing AC Power from a Compact Modular Cabinet

Because there is no AC switch to remove AC power from the compact modular cabinet, you must unplug the power cord from the cabinet to avoid possible injury or electrical shock.

Please make the indicated changes to the following manuals:

- *Installation and Test for Compact Modular Cabinets*, 555-230-128. Replace the caution under 650A Power Supply with the following:

  CAUTION:
  The latch only removes DC power from the cabinet. Unseating the power supply removes AC power from the power supply, but not from the cabinet. To remove AC power from the cabinet, pull the AC power cord from the AC appliance connector on the rear of the cabinet.

- *Maintenance for R6csi Compact Modular Cabinets*, 555-230-129. In the DEFINITY Audix System Power Procedures section, Power Down AUDIX System, replace step 8 with the following:

  To remove power from the cabinet, pull the AC power cord from the AC appliance connector at the rear of the cabinet.