

## APPENDIX D

# ASSURED EQUIPMENT GROUNDING CONDUCTOR PROGRAM

**1. PROGRAM OVERVIEW.** An assured equipment grounding conductor program consists of a written procedure for documented inspection and testing to assure equipment grounding conductors for all cord sets, receptacles that are not a part of the permanent wiring of the building or structure, and equipment connected by cord and plug are installed and maintained to protect employees on construction sites. An assured equipment grounding conductor program shall be continuously implemented at the construction site.

**2. REMOVING EQUIPMENT.** Equipment found damaged or defective or which fails any of the prescribed inspections or tests may not be used until repaired or replaced.

**3. VISUAL INSPECTIONS.** The following shall be visually inspected before each day's use for external defects (such as deformed or missing pins or insulation damage) and for indication of possible internal damage:

- a. Cord sets,
- b. Attachment caps,
- c. Plug and receptacle of cord sets, and
- d. Any equipment connected by cord and plug (except cord sets and receptacles that are fixed and not exposed to damage).

**4. CONTINUITY TESTING.** Equipment grounding conductors on the following shall be tested for continuity and shall be electrically continuous:

- a. All cord sets,

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b. Receptacles that are not a part of the permanent wiring of the building or structure, and

c. All plug-connected equipment required to be grounded.

**5. GROUNDING CONDUCTOR TESTING.** Each receptacle and plug of the following shall be tested for correct attachment of the equipment-grounding conductor and the equipment-grounding conductor shall be connected to its proper terminal:

a. All cord sets,

b. Receptacles that are not a part of the permanent wiring of the building or structure, and

c. All plug-connected equipment required to be grounded.

**6. TEST FREQUENCY.** All required tests shall be performed with the following frequency:

a. Before the first use;

b. Before equipment is returned to service following any repairs;

c. Before equipment is used after any incident that can be reasonably suspected to have caused damage (e.g., when a cord set is run over); and

d. At intervals not to exceed 3 months, except that cord sets and receptacles that are fixed and not exposed to damage shall be tested at intervals not to exceed 6 months.

**7. RECORDKEEPING.** All inspections and tests shall be documented to identify each receptacle, cord set, and cord- and plug-connected equipment that passed the inspection or test, the date of inspection or test, and the individual responsible for the inspection or test.