

APPENDIX D

ASSURED EQUIPMENT GROUNDING CONDUCTOR PROGRAM

1. PROGRAM OVERVIEW. If an Assured Equipment Grounding Conductor Program (AEGCP) is used in place of ground-fault circuit interrupters (GFCIs) for ground-fault protection, the AEGCP shall consist of written procedures for equipment inspections, tests, test schedule and results 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. AEGCP must be in compliance with OSHA, NESC and NEC requirements.

a. These procedures shall be made available when requested to GDA and affected persons. An AEGCP shall be continuously implemented and enforced at the site by one or more designated persons.

b. One or more competent persons shall be designated to implement and enforce the AEGCP.

2. VISUAL INSPECTIONS. Visually inspect all cord sets, attachment caps, plugs and receptacles, and any equipment connected by cord and plug before each day's use for external damage (i.e., deformed or missing pins, damaged insulation) and for indication of possible internal damage. Ensure flexible cords are being inspected and those arriving onsite between tests are identified and tested.

3. REMOVING EQUIPMENT. Equipment found to be damaged or defective or which fails any of the prescribed inspections or tests shall not be used until repaired or replaced.

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4. TESTING. Perform two required tests on all electrical equipment: a continuity test and a terminal connection test. Tests are required:

- a. Before first use;
- b. Before placing back in 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.

5. RECORDKEEPING. All inspections and tests shall be documented to identify all equipment that passed the inspection or test, the date of inspection or test, and the individual responsible for the inspection or test.