

WEEKLY SAFETY MEETING

FOR THE CONSTRUCTION INDUSTRY

SAFETY MEETING OUTLINES Box 700, Frankfort, IL 60423 815-464-0200 No. 26 Vol. 21 Week of 6/26/2023

Company Name _____ Job Name _____ Date _____

ASSURED EQUIPMENT GROUNDING CONDUCTOR PROGRAM

OSHA requires employers to provide ground fault protection on construction sites to help protect employees from electrocution. The employer may choose to use Ground-Fault Circuit Interrupters (GFCI's or GFI's), or an Assured Equipment Grounding Conductor Program. Today we'll focus on the requirements of the latter.

There must be a written description of your company's Assured Equipment Grounding Conductor Program available at the jobsite at all times. The description should include a test schedule and specific procedures for testing and record keeping. The program will cover all cord sets, all equipment which requires grounding and is connected by cord and plug, and all receptacles which are not part of the structure's permanent wiring system. The program must be implemented by one or more competent persons.

There are two tests that must be performed. The first is a continuity test to ensure that the equipment grounding conductor is electrically continuous — that is, that electricity can flow through it without interruption. All equipment grounding conductors must be tested for continuity; all cord sets, cord-and-plug connected equipment, and all wiring and receptacles that are not part of the structure's permanent wiring system must be tested. The second test verifies that the grounding conductor is actually connected to the proper terminal. This test must be performed on all receptacles, attachment caps, and plugs. Any item that does not pass must be removed from service until it has been repaired and does pass the test or tests.

Each item must be tested: 1) before first use, 2) following any repairs, 3) after any incident which could reasonably be expected to have caused damage, and 4) at least every three months. Note that cord sets and receptacles which are fixed and not exposed to damage, need only be tested every six months. There are record keeping requirements also. Examples of acceptable documentation include color coding the items after testing, and keeping a log of each item's serial or identification number, the date of testing, and the test results.

Proper implementation of an Assured Equipment Grounding Conductor Program will help prevent electrocutions, accidents, and damaged equipment. It will also help identify faulty equipment so that it can be repaired or replaced.

SAFETY REMINDER

**All electrical equipment should be
visually inspected before use each day.**

Special Topics For Your Project _____

Employee Safety Recommendations _____

Reviewed MSDS # _____ Subject _____

Meeting Attended By _____

Supervisor's Signature _____

These instructions do not supersede local, state, or federal regulations.