



**PROTEK
SECURITY, INC.**

Safety Program

**”Assured Equipment
Grounding Conductor Test“**

Year 20____

ASSURED EQUIPMENT GROUNDING CONDUCTOR PROGRAM

1.1 Purpose:

Protek Security, Inc. policy is to provide and to assure its employees have a safe working environment. To insure this goal, the company has established the "Assured Equipment Grounding Conductor Test Program." This program is designed to reinforce with the employee, that power tools and power cords used have an effective, working grounding conductor for electrical safety and shock protection. Protek Security, Inc. will test and inspect all tool and power cords in accordance with the following procedures.

1.2 Requirements:

This written program and the testing record log shall be available for inspection and copying by the director or any affected employee with notice.

1.3 Designated Competent Person:

To implement this program, Protek Security, Inc. will designate a qualified person, one familiar with the construction and the operation of the equipment and the hazards involved.

1.4 Use of Cords and Cord Connected Tools:

Cords and equipment previously described shall not be available or permitted for use until testing as described has occurred.

1.5 Testing Required:

- A. For all cord sets and receptacles not part of a building's or structure's permanent wiring.
- B. For all cord and plug connected equipment required to be grounded.

1.6 Testing Frequency:

- A. Before first time.
- B. Before equipment or cord is returned to service following repairs.
- C. Before equipment is used after any incident which can be reasonably suspected to have caused damage [i.e. a cord set being run over.]

1.7 Test Procedure:

- A. All equipment grounding conductors shall be tested for continuity, and shall be electrically continuous.
- B. Each receptacle and attachment cap or plug shall be tested for correct attachment of the grounding conductor. The grounding conductor shall be connected to its proper terminal.
- C. All test results shall be kept in a log in the workplace and available for inspection with proper and reasonable notice.

1.8 Testing Identification:

All cords and power tools shall have a color-coded taped band approximately one foot from the tool or male cap end showing the last time the cord was inspected.

The colors shall be:

First Quarter - Red Second Quarter - Yellow Third Quarter - Blue

Fourth Quarter - Brown.

1.9 Before Each Day's Use:

Visually inspect all cord sets, attachment cap, plug and receptacle of cord sets and any equipment connected by cord and plug for:

- A. External defects, deformed or missing blades of pins.
- B. External insulation damage.
- C. Indicators of possible internal damage.
- D. Equipment found damaged or defective shall not be used until repaired and tested.

2.0 REFERENCES

2.1 Utah State Safety Codes:

- A. 34A-6-101 "Utah Occupational Safety and Health Act"