

No. 2345
Date February 27, 1978 2:45 p.m.
Approved: Reinaldo Paniagua Diez
Secretary of State

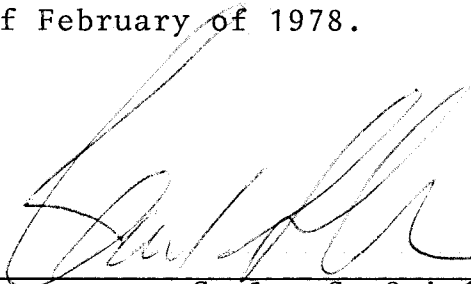
Commonwealth of Puerto Rico
Department of Labor and Human Resources
Occupational Safety and Health Office
Barbosa Avenue 414
Hato Rey, Puerto Rico

RESOLUTION

I, Carlos S. Quirós, Puerto Rico Secretary of Labor and Human Resources pursuant to the authority conferred by Section 8 of the Puerto Rico Occupational Safety and Health Act, Act Number 16 of August 5, 1975 (LPRA) as amended, hereby amend the Puerto Rico Occupational Safety and Health Regulation Number Four (Part 1910) approved on February 1st, 1978 by adopting the revision to Section 1910.309 "National Electric Code" which appears in the Federal Register, Volume 41 Number 246 of December 21, 1976.

This adoption shall be effective immediately after its approval.

Given on this 21 day of February of 1978.



Carlos S. Quirós
Secretary of Labor and Human Resources

§ 1910.309 National Electrical Code.

(c) *Ground-fault protection*—(1) *General.* Notwithstanding the provisions of paragraphs (a) and (b) of this section, the requirement in section 210-7 of the 1971 National Electrical Code (NEPA 70-1971; ANSI C1-1971) that all 15- and 20-ampere receptacle outlets on single-phase circuits for construction sites have approved ground-fault circuit protection for personnel does not apply. In lieu thereof, the employer shall use either ground-fault circuit interrupters as specified in paragraph (c) (2) of this section or an assured equipment grounding conductor program as specified in paragraph (c) (3) of this section, to protect employees on construction sites. These requirements are in addition to any other requirements for equipment grounding conductors.

(2) *Ground-fault circuit interrupters.* All 120-volt, single-phase, 15- and 20-ampere receptacle outlets on construction sites, which are not a part of the permanent wiring of the building or structure and which are in use by employees, shall have approved ground-fault circuit interrupters for personnel protection. Receptacles on a two-wire, single-phase portable or vehicle-mounted generator rated not more than 5kW, where the circuit conductors of the generator are insulated from the generator frame and all other grounded surfaces, need not be protected with ground-fault circuit interrupters.

(3) *Assured equipment grounding conductor program.* The employer shall establish and implement an assured equipment grounding conductor program on construction sites covering all cord sets, receptacles which are not a part of the permanent wiring of the building or structure, and equipment connected by cord and plug, which are available for use or used by employees. This program shall comply with the following minimum requirements:

(i) A written description of the program, including the specific procedures adopted by the employer, shall be available at the jobsite for inspection and copying by the Assistant Secretary and any affected employee.

(ii) The employer shall designate one or more competent persons (as defined in 29 CFR 1926.32(f)) to implement the program.

(iii) Each cord set, attachment cap, plug and receptacle of cord sets, and any equipment connected by cord and plug, except cord sets and receptacles which are fixed and not exposed to damage, 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. Equipment found damaged or defective may not be used until repaired.

(iv) The following tests shall be performed on all cord sets, receptacles which are not a part of the permanent wiring of the building or structure, and cord- and plug-connected equipment required to be grounded:

(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 equipment grounding conductor. The equipment grounding conductor shall be connected to its proper terminal.

(v) All required tests shall be performed:

(A) Before first use;

(B) Before equipment is returned to service following any repairs;

(C) Before equipment is used after any incident which can be reasonably suspected to have caused damage (for example, when a cord set is run over); and

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

(vi) The employer may not make available or permit the use by employees of any equipment which has not met the requirements of this paragraph (c) (3) of this section.

(vii) Tests performed as required in this paragraph shall be recorded. This test record shall identify each receptacle, cord set, and cord- and plug-connected equipment that passed the test, and shall indicate the last date it was tested or the interval for which it was tested. This record shall be kept by means of logs, color coding, or other effective means, and shall be maintained until replaced by a more current record. The record shall be made available on the jobsite for inspection by the Assistant Secretary and any affected employee.