

INFORMATION MEMORANDUM 81-X-40 (REVISED)

TO: All OSH Directors, Supervisors, and Field Personnel

FROM: William M. Lybrand, Director of OSH

SUBJECT: Electrical Standards That May Be Cited for Exposed Live Parts Where Applicable.

DATE: May 1, 1981

Purpose

The purpose of this memorandum is to list certain sections in Article VI, Subpart S that can be used to cite for exposed live parts where applicable.

Background

There has been a few formal hearings where the hearing officer has ruled that citing for exposed live parts of wiring devices such as receptacles, cord connectors, and plug caps under Article VI, Section 1910.303(g)(2)(i) is incorrect. The wording of this article seems to infer that wiring devices are not covered under this particular article. Such equipment as motors, motor starters and controllers, panelboards, switchboards, switchgear, motor control centers, transformers, and similar pieces of electrical apparatus are covered under this article.

Interpretation

The following list of sections in Article VI, Subpart S can be used to cite for exposed live (electrical) parts where applicable to the particular situation:

a. For Sections That Can Be Cited Regardless of Date Installed or Designed:

Section 1910.303(d)	Under the circumstances that combustible materials are involved, exposed arcing parts of electrical equipment, such as starters and controllers, can be cited under this article
Section 1910.303(g)(2)(i)	Can be used to cite for not guarding exposed live parts of electrical equipment to include panelboards, switchboards, motor control centers,

Section 1910.303(g)(2)(ii)	switchgear, transformers, motors, motor starters and motor controllers. Can be used to cite where exposed electrical equipment is subject to physical damage and not guarded by enclosures or guard (barriers).
Section 1910.304(e)(a)(iv)	Can be used to cite for over-current devices exposed to physical damage or in the vicinity of easily ignitable material.
Section 1910.304(e)(1)(v)	Can be used to cite for exposed live parts of fuses and circuit breakers not provided with enclosures or guarded by location

b. For Sections Applicable to Electrical Installations Installed or Modified after March 15, 1972:

Section 1910.303(h)(2)(i) and (ii)	Can be used to cite for exposed electrical equipment operating at over 600 volts where conditions suit.
Section 1910.304(d)(2)(i)	Can be used to cite for guarding of service-entrance conductors over 600 volts only.
Section 1910.305(b)(1)	Can be used to cite where unused openings in boxes, cabinets and fittings are not closed.
Section 1910.305(b)(2)	Can be used to cite for any outlet box without a cover, faceplate, or fixture canopy; and for any pull box, junction box, or fitting without a cover approved for the purpose. All under 600 volts.
Section 1910.305(b)(3)(ii)	Can be used to cite for box covers which contain wiring over 600 volts.
Section 1910.305(e)(1)	Can be used to cite for boxes fittings, outlet boxes, cabinets and panelboards installed in wet locations without weatherproof enclosures.
Section 1910.305(e)(2)	Same as (e)(1) above except for switches, circuit breakers and switchboards.
Section 1910.305(j)(3)(i)	Can be used to cite for Appliances with live parts exposed to employee contact.
Section 1910.305(j)(4)(iv)(a)	Can be used to cite for large motors and controllers having exposed live parts

	where (1), (2) and (3) are practicable or feasible.
Section 1910.306(f)(1)(ii)	Can be used to cite for live parts of disconnect means on x-ray equipment only.
Section 1910.308(a)(3)(ii)	Can be used to cite for guarding of live parts of mobile and portable equipment as may be applicable.
Section 1910.308(a)(4)(iii)	Can be used to cite for guarding of live parts of electrical equipment in tunnel installations only.

Effective Date

This memorandum is effective immediately and supersedes any other directive or memorandum on this particular subject.