

**STANDARDS PRESENTATION  
TO  
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 2320.2 to read:

§2320.2. Energized Equipment or Systems.

(a) Work shall not be performed on exposed energized parts of equipment or systems until the following conditions are met:

- (1) Responsible supervision has determined that the work is to be performed while the equipment or systems are energized.
- (2) Involved personnel have received instructions on the work techniques and hazards involved in working on energized equipment.
- (3) Suitable personal protective equipment and safeguards (i.e., approved insulated gloves or insulated tools) are provided and used.

EXCEPTION: The use of ~~A~~approved insulating gloves or insulated tools or other protective measures are not required when working on exposed parts of equipment or systems energized at less than 50 volts provided a conclusive determination has been made prior to the start of work by a qualified person that there will be no employee exposure to electrical shock, electrical burns, explosion or hazards due to electric arcs.

(A) Rubber insulating gloves shall meet the provisions of the American Society for Testing Materials (ASTM) D 120-95 02a, Standard Specification for Rubber Insulating Gloves, and be maintained in accordance with ASTM F 496-02a, Standard Specification for In-Service Care of Insulating Gloves and Sleeves, which ~~is~~ are hereby incorporated by reference.

NOTE: The ASTM F 496-02a standard contains provisions regarding the care, inspection, testing and use of insulating gloves and sleeves. Among other requirements, this standard provides that electrical retests shall not exceed 6 months for insulating gloves and 12 months for insulating sleeves and that insulating gloves and sleeves that have been electrically tested but not issued for service shall not be placed into service unless they have been electrically tested within the previous twelve months.

(B) Insulated tools shall meet the provisions of the American Society for Testing Materials (ASTM) F 1505-94 01, Standard Specification for Insulated and Insulating Hand Tools, which is hereby incorporated by reference.

- (4) Approved insulated gloves shall be worn for voltages in excess of 250 volts to ground.
- (5) Suitable barriers or approved insulating material shall be provided and used to prevent accidental contact with energized parts.
- (6) Suitable eye protection has been provided and is used.
- (7) Where required for personnel protection, suitable barricades, tags, or signs are in place.
- (8) Each employee who is exposed to the hazards of flames or electric arcs wears apparel that, when exposed to flames or electric arcs, does not increase the extent of injury that would be sustained by the employee. This subsection prohibits clothing made from the following types of fabrics, either alone or in blends, unless the employee can demonstrate that the fabric has been treated with flame retardant: acetate, nylon, polyester, and rayon.

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(b) After the required work on an energized system or equipment has been completed, an authorized person shall be responsible for:

- (1) Removing from the work area any temporary personnel protective equipment, and
- (2) Reinstalling all permanent barriers or covers.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.