

TABLE I–4—RUBBER INSULATING EQUIPMENT, VOLTAGE REQUIREMENTS—Continued

Class of equipment	Maximum use voltage <sup>1</sup> AC rms	Retest voltage <sup>2</sup> AC rms	Retest voltage <sup>2</sup> DC avg
4 .....	36,000	40,000	70,000

<sup>1</sup>The maximum use voltage is the ac voltage (rms) classification of the protective equipment that designates the maximum nominal design voltage of the energized system that may be safely worked. The nominal design voltage is equal to the phase-to-phase voltage on multiphase circuits. However, the phase-to-ground potential is considered to be the nominal design voltage if:

- (1) There is no multiphase exposure in a system area and the voltage exposure is limited to the phase-to-ground potential, or
- (2) The electric equipment and devices are insulated or isolated or both so that the multiphase exposure on a grounded wye circuit is removed.

<sup>2</sup>The proof-test voltage shall be applied continuously for at least 1 minute, but no more than 3 minutes.

TABLE I–5—RUBBER INSULATING EQUIPMENT, TEST INTERVALS

Type of equipment	When to test
Rubber insulating line hose.	Upon indication that insulating value is suspect and after repair.
Rubber insulating covers	Upon indication that insulating value is suspect and after repair.
Rubber insulating blankets.	Before first issue and every 12 months thereafter; <sup>1</sup> upon indication that insulating value is suspect; and after repair.
Rubber insulating gloves	Before first issue and every 6 months thereafter; <sup>1</sup> upon indication that insulating value is suspect; after repair; and after use without protectors.
Rubber insulating sleeves.	Before first issue and every 12 months thereafter; <sup>1</sup> upon indication that insulating value is suspect; and after repair.

<sup>1</sup> If the insulating equipment has been electrically tested but not issued for service, the insulating equipment may not be placed into service unless it has been electrically tested within the previous 12 months.

[79 FR 20629, Apr. 11, 2014]

**§ 1910.138 Hand protection.**

(a) *General requirements.* Employers shall select and require employees to use appropriate hand protection when employees' hands are exposed to hazards such as those from skin absorption of harmful substances; severe cuts or lacerations; severe abrasions; punctures; chemical burns; thermal burns; and harmful temperature extremes.

(b) *Selection.* Employers shall base the selection of the appropriate hand protection on an evaluation of the performance characteristics of the hand protection relative to the task(s) to be performed, conditions present, duration of use, and the hazards and potential hazards identified.

[59 FR 16362, Apr. 6, 1994; 59 FR 33911, July 1, 1994]

**§ 1910.139 [Reserved]**

**§ 1910.140 Personal fall protection systems.**

(a) *Scope and application.* This section establishes performance, care, and use criteria for all personal fall protection systems. The employer must ensure that each personal fall protection sys-

tem used to comply with this part must meet the requirements of this section.

(b) *Definitions.* The following definitions apply to this section:

*Anchorage* means a secure point of attachment for equipment such as lifelines, lanyards, or deceleration devices.

*Belt terminal* means an end attachment of a window cleaner's positioning system used for securing the belt or harness to a window cleaner's belt anchor.

*Body belt* means a strap with means both for securing about the waist and for attaching to other components such as a lanyard used with positioning systems, travel restraint systems, or ladder safety systems.

*Body harness* means straps that secure about the employee in a manner to distribute the fall arrest forces over at least the thighs, pelvis, waist, chest, and shoulders, with a means for attaching the harness to other components of a personal fall protection system.

*Carabiner* means a connector generally comprised of a trapezoidal or oval shaped body with a closed gate or similar arrangement that may be opened to attach another object and,