(b) **Criteria for protective eye and face devices.** (1) Protective eye and face protection devices must comply with any of the following consensus standards:
   (i) ANSI Z87.1–2003, "American National Standard Practice for Occupational and Educational Eye and Face Protection," which is incorporated by reference in §1915.5;
   (ii) ANSI Z87.1–1989 (R-1998), "American National Standard Practice for Occupational and Educational Eye and Face Protection," which is incorporated by reference in §1915.5; or

   (2) Eye and face protection devices that the employer demonstrates are at least as effective as protective as eye and face protection devices that are constructed in accordance with one of the above consensus standards will be deemed to be in compliance with the requirements of this section.

[61 FR 26352, May 24, 1996, as amended at 74 FR 46358, Sept. 9, 2009]

§ 1915.154 Respiratory protection.


§ 1915.155 Head protection.

(a) **Use.** (1) The employer shall ensure that each affected employee wears a protective helmet when working in areas where there is a potential for injury to the head from falling objects.

(2) The employer shall ensure that each affected employee wears a protective helmet designed to reduce electrical shock hazards where there is potential for electric shock or burns due to contact with exposed electrical conductors which could contact the head.

(b) **Criteria for protective helmets.** (1) Head protection must comply with any of the following consensus standards:
   (i) ANSI Z89.1–2003, "American National Standard for Industrial Head Protection," which is incorporated by reference in §1915.5;
   (ii) ANSI Z89.1–1997, "American National Standard for Industrial Head Protection," which is incorporated by reference in §1915.5; or

(2) Head protection devices that the employer demonstrates are at least as effective as head protection devices that are constructed in accordance with one of the above consensus standards will be deemed to be in compliance with the requirements of this section.

[61 FR 26352, May 24, 1996, as amended at 74 FR 46358, Sept. 9, 2009]
§ 1915.159 Personal fall arrest systems (PFAS).

The criteria of this section apply to PFAS and their use. Effective January 1, 1998, body belts and non-locking snaphooks are not acceptable as part of a personal fall arrest system.

(a) Criteria for connectors and anchorages. (1) Connectors shall be made of drop forged, pressed, or formed steel or shall be made of materials with equivalent strength.

(2) Connectors shall have a corrosion-resistant finish, and all surfaces and edges shall be smooth to prevent damage to the interfacing parts of the system.

(3) D-rings and snaphooks shall be capable of sustaining a minimum tensile load of 5,000 pounds (22.24 K.N.).

(4) D-rings and snaphooks shall be proof-tested to a minimum tensile load of 3,600 pounds (16 K.N.) without cracking, breaking, or being permanently deformed.