

components, or other faulty or defective components, shall either be immediately marked in a manner that readily identifies them as defective, or be tagged with "Do Not Use" or similar language, and shall be withdrawn from service until repaired.

(17) Fixed ladders with structural defects, such as, but not limited to, broken or missing rungs, cleats, or steps, broken or split rails, or corroded components, shall be withdrawn from service until repaired. The requirement to withdraw a defective ladder from service is satisfied if the ladder is either:

(i) Immediately tagged with "Do Not Use" or similar language,

(ii) Marked in a manner that readily identifies it as defective;

(iii) Or blocked (such as with a plywood attachment that spans several rungs).

(18) Ladder repairs shall restore the ladder to a condition meeting its original design criteria, before the ladder is returned to use.

(19) Single-rail ladders shall not be used.

(20) When ascending or descending a ladder, the user shall face the ladder.

(21) Each employee shall use at least one hand to grasp the ladder when progressing up and/or down the ladder.

(22) An employee shall not carry any object or load that could cause the employee to lose balance and fall.

[55 FR 47687, Nov. 14, 1990; 56 FR 2585, Jan. 23, 1991, as amended at 56 FR 41794, Aug. 23, 1991]

#### §§ 1926.1054–1926.1059 [Reserved]

#### § 1926.1060 Training requirements.

The following training provisions clarify the requirements of § 1926.21(b)(2), regarding the hazards addressed in subpart X.

(a) The employer shall provide a training program for each employee using ladders and stairways, as necessary. The program shall enable each employee to recognize hazards related to ladders and stairways, and shall train each employee in the procedures to be followed to minimize these hazards.

(1) The employer shall ensure that each employee has been trained by a competent person in the following areas, as applicable:

(i) The nature of fall hazards in the work area;

(ii) The correct procedures for erecting, maintaining, and disassembling the fall protection systems to be used;

(iii) The proper construction, use, placement, and care in handling of all stairways and ladders;

(iv) The maximum intended load-carrying capacities of ladders used; and

(v) The standards contained in this subpart.

(b) Retraining shall be provided for each employee as necessary so that the employee maintains the understanding and knowledge acquired through compliance with this section.

#### APPENDIX A TO SUBPART X OF PART 1926—LADDERS

This appendix serves as a non-mandatory guideline to assist employers in complying with the ladder loading and strength requirements of § 1926.1053(a)(1). A ladder designed and built in accordance with the applicable national consensus standards, as set forth below, will be considered to meet the requirements of § 1926.1053(a)(1):

- Manufactured portable wood ladders: American National Standards Institute (ANSI) A14.1–1982—American National Standard for Ladders—Portable Wood-Safety Requirements.

- Manufactured portable metal ladders: ANSI A14.2–1982—American National Standard for Ladders—Portable Metal-Safety Requirements.

- Manufactured fixed ladders: ANSI A14.3–1984—American National Standard for Ladders—Fixed-Safety Requirements.

- Job-made ladders: ANSI A14.4–1979—Safety Requirements for Job-Made Ladders.

- Plastic ladders: ANSI A14.5–1982—American National Standard for Ladders—Portable Reinforced Plastic-Safety Requirements.

#### Subpart Y—Diving

AUTHORITY: Sections 4, 6, and 8 of the Occupational Safety and Health Act of 1970 (29 U.S.C. 653, 655, 657); Sec. 107, Contract Work Hours and Safety Standards Act (the Construction Safety Standards Act) (40 U.S.C. 333); Sec. 41, Longshore and Harbor Workers' Compensation Act (33 U.S.C. 941); Secretary of Labor's Order No. 12-71 (36 FR 8754), 8-76 (41 FR 25059), 9-83 (48 FR 35736), 1-90 (55 FR 9033), 3-2000 (65 FR 50017) or 5-2002 (67 FR 65008) as applicable; and 29 CFR part 1911.

SOURCE: 58 FR 35184, June 30, 1993, unless otherwise noted.