

until the hazardous materials that require the marking or placarding are sufficiently removed to prevent any potential hazards.

(c) Markings, placards and labels shall be maintained in a manner that ensures that they are readily visible.

(d) For non-bulk packages that will not be reshipped, the provisions of the section are met if a label or other acceptable marking is affixed in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200).

(e) For the purposes of this section, the term "hazardous material" has the same definition as in the Hazardous Materials Regulations (49 CFR parts 171 through 180).

§ 1918.100 Emergency action plans.

(a) *Scope and application.* This section requires all employers to develop and implement an emergency action plan.¹⁴ The emergency action plan shall be in writing (except as provided in the last sentence of paragraph (e)(3) of this section) and shall cover those designated actions employers and employees must take to ensure employee safety from fire and other emergencies.

(b) *Elements.* The following elements, at a minimum, shall be included in the plan:

(1) Emergency escape procedures and emergency escape route assignments;

(2) Procedures to be followed by employees who remain to operate critical operations before they evacuate;

(3) Procedures to account for all employees after emergency evacuation has been completed;

(4) Rescue and medical duties for those employees who are to perform them;

(5) The preferred means of reporting fires and other emergencies; and

(6) Names or regular job titles of persons or departments that can be contacted for further information or explanation of duties under the plan.

(c) *Alarm system.* The employer shall establish an employee alarm system that provides warning for necessary emergency action or for reaction time

¹⁴When an employer directs his employees to respond to an emergency that is beyond the scope of the Emergency Action Plan, a plan developed in accordance with § 1910.120(q) of this chapter shall apply.

for safe escape of employees from the workplace or the immediate work area, or both.

(d) *Evacuation.* The employer shall establish the types of evacuation to be used in emergency circumstances.

(e) *Training.* (1) Before implementing the emergency action plan, the employer shall designate and train a sufficient number of persons to assist in the safe and orderly emergency evacuation of employees.

(2) The employer shall review the plan with each employee covered by the plan at the following times:

(i) Initially when the plan is developed;

(ii) Whenever the employee's responsibilities or designated actions under the plan change; and

(iii) Whenever the plan is changed.

(3) The employer shall review with each employee upon initial assignment those parts of the plan that the employee must know to protect the employee in the event of an emergency. The written plan shall be kept at the workplace and made available for employee review. Employers with 10 or fewer employees may communicate the plan orally to employees and need not maintain a written plan.

[62 FR 40202, July 25, 1997, as amended at 65 FR 40946, June 30, 2000]

Subpart J—Personal Protective Equipment

§ 1918.101 Eye and face protection.

(a) The employer shall ensure that:

(1) Each affected employee uses appropriate eye and/or face protection where there are exposures to eye and/or face hazards. Such equipment shall comply with American National Standards Institute, ANSI Z-87.1-1989, "Practice for Occupational and Educational Eye and Face Protection."

(2) For an employee wearing corrective glasses, eye protection equipment required by paragraph (a)(1) of this section shall be of the type that can be worn over glasses. Prescription-ground safety lenses may be substituted if they provide equivalent protection.

(b) Eye protection shall be maintained in good condition.

§ 1918.102

(c) Used eye protection shall be cleaned and disinfected before issuance to another employee.

§ 1918.102 Respiratory protection.

(See § 1918.1(b)(8)).

[65 FR 40946, June 30, 2000]

§ 1918.103 Head protection.

(a) 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.

(b) Such equipment shall comply with American National Standards Institute, ANSI Z-89.1-1986, "Personnel Protection-Protective Headwear for Industrial Workers-Requirements."

(c) Previously worn protective hats shall be cleaned and disinfected before issuance by the employer to another employee.

§ 1918.104 Foot protection.

(a) The employer shall ensure that each affected employee wears protective footwear when working in areas where there is a danger of foot injuries due to falling or rolling objects or objects piercing the sole.

(b) Such equipment shall comply with American National Standards Institute, ANSI Z-41-1991, "American National Standard for Personal Protection-Protective Footwear."

§ 1918.105 Other protective measures.

(a) *Protective clothing.* (1) The employer shall provide and shall require the wearing of special protective clothing for each employee engaged in work where protective clothing is necessary.

(2) When necessary, protective clothing shall be cleaned and disinfected before reissuance.

(b) *Personal flotation devices (PFDs).* (1) The employer shall provide and shall require the wearing of PFDs for each employee engaged in work in which the employee might fall into the water.

(2) PFDs (life preservers, life jackets, or work vests) worn by each affected employee must be United States Coast Guard (USCG) approved pursuant to 46 CFR part 160 (Type I, II, III, or V PFD)

29 CFR Ch. XVII (7-1-06 Edition)

and marked for use as a work vest, for commercial use, or for use on vessels.

(3) Personal flotation devices shall be maintained in safe condition and shall be considered unserviceable when damaged in a manner that affects buoyancy or fastening capability.

[62 FR 40202, July 25, 1997, as amended at 65 FR 40946, June 30, 2000]

APPENDIX I TO PART 1918—CARGO GEAR REGISTER AND CERTIFICATES (NON-MANDATORY)

NOTE: This appendix is non-mandatory and provides guidance to part 1918 to assist employers and employees in complying with the requirements of this standard, as well as to provide other helpful information. Nothing in this appendix adds or detracts from any of the requirements of this standard. The language in this appendix is taken directly from the recommended ILO document.

Form No. 1

IDENTITY OF NATIONAL AUTHORITY OR COMPETENT ORGANIZATION REGISTER OF SHIPS' LIFTING APPLIANCES AND CARGO HANDLING GEAR

Name of Ship _____
Official Number _____
Call Sign _____
Port of Registry _____
Name of Owner _____
Register Number _____
Date of Issue _____
Issued by _____
Signature and Stamp _____

NOTE: This register is the standard international form as recommended by the International Labour Office in accordance with the ILO Convention No. 152.

GENERAL

The tests, examinations and inspections indicated in this register are based on the requirements of ILO Convention 152 and Recommendation 160. They are intended to ensure that ships having lifting appliances are initially certified by a competent person, and to establish periodically that they continue to be in safe working order to the satisfaction of a competent person acceptable to a competent authority. A Register of lifting appliances and items of loose gear shall be kept in a form prescribed by the competent authority, account being taken of this model recommended by the International Labour Office. This Register and related certificates shall be kept available to