

CHAPTER 45

MARINAS

SECTION 4501 SCOPE

4501.1 Scope. Marina facilities shall be in accordance with this chapter.

4501.2 Plans and approvals. Plans for marina fire protection facilities shall be *approved* prior to installation. The work shall be subject to final inspection and approval after installation.

SECTION 4502 DEFINITIONS

4502.1 Definitions. The following words and terms shall, for the purpose of this chapter and as used elsewhere in this code, have the meanings shown herein.

FLOAT. A floating structure normally used as a point of transfer for passengers and goods, or both, for mooring purposes.

MARINA. Any portion of the ocean or inland water, either naturally or artificially protected, for the mooring, servicing or safety of vessels and shall include artificially protected works, the public or private lands ashore, and structures or facilities provided within the enclosed body of water and ashore for the mooring or servicing of vessels or the servicing of their crews or passengers.

PIER. A structure usually of greater length than width and projecting from the shore into a body of water with direct access from land that can be either open deck or provided with a superstructure.

VESSEL. A motorized watercraft, other than a seaplane on the water, used or capable of being used as a means of transportation. Nontransportation vessels, such as houseboats and boathouses, are included in this definition.

WHARF. A structure at the shoreline, having a platform built along side and parallel to a body of water that may have an open deck or provided with a superstructure.

SECTION 4503 GENERAL PRECAUTIONS

4503.1 Combustible debris. Combustible debris and rubbish shall not be deposited or accumulated on land beneath marina structures, piers or wharves.

4503.2 Sources of ignition. Open-flame devices used for lighting or decoration on the exterior of a vessel, float, pier or wharf shall be *approved*.

4503.3 Flammable or combustible liquid spills. Spills of flammable or *combustible liquids* at or upon the water shall be reported immediately to the fire department or jurisdictional authorities.

4503.4 Rubbish containers. Metal containers with tight-fitting or self-closing lids shall be provided for the temporary storage of combustible trash or rubbish.

4503.5 Electrical equipment. Electrical equipment shall be installed and used in accordance with its listing, Section 605 and Chapter 5 of NFPA 303 as required for wet, damp and hazardous locations.

4503.6 Berthing and storage. Berthing and storage shall be in accordance with Chapter 7 of NFPA 303.

4503.7 Slip identification. Slips and mooring spaces shall be individually identified by an *approved* numeric or alphabetic designator. Space designators shall be posted at the space. Signs indicating the space designators located on finger piers and floats shall be posted at the base of all piers, finger piers, floats and finger floats.

SECTION 4504 FIRE PROTECTION EQUIPMENT

4504.1 General. Piers, marinas and wharves with facilities for mooring or servicing five or more vessels, and marine motor fuel-dispensing facilities shall be equipped with fire protection equipment in accordance with Sections 4504.2 through 4504.6.

4504.2 Piers or wharves. An automatic sprinkler system shall be installed under piers or wharves regulated by Section 424 of the *Oregon Structural Specialty Code*, which exceed 200 feet (60 960 mm) in length or exceed 5,000 square feet (465 m²) in area. Such systems shall comply with NFPA 307, *Standard for the Construction and Fire Protection of Marine Terminals, Piers and Wharves*.

4504.3 Standpipes. Marinas and boatyards shall be equipped throughout with standpipe systems in accordance with NFPA 303. Systems shall be provided with hose connections located such that no point on the marina pier or float system exceeds 150 feet (15 240 mm) from a standpipe hose connection.

4504.3.1 Identification of standpipe outlets. Standpipe hose connection locations shall be clearly identified by a flag or other *approved* means designed to be readily visible from the pier accessing the float system.

4504.4 Access and water supply. Piers and wharves shall be provided with fire apparatus access roads and water-supply systems with on-site fire hydrants when required by the *fire code official*. Such roads and water systems shall be provided and maintained in accordance with Sections 503.2 and 508.

4504.5 Portable fire extinguishers. One portable fire extinguisher of the ordinary (moderate) hazard type shall be provided at each required standpipe hose connection. Additional portable fire extinguishers, suitable for the hazards involved, shall be provided and maintained in accordance with Section 906.

4504.6 Communications. A telephone not requiring a coin to operate or other *approved*, clearly identified means to notify the fire department shall be provided on the site in a location *approved* by the *fire code official*.

4504.7 Emergency operations staging areas. Space shall be provided on all float systems for the staging of emergency equipment. Emergency operation staging areas shall provide a minimum of 4 feet wide by 10 feet long (1219 mm by 3048 mm) clear area exclusive of walkways and shall be located at each standpipe hose connection. Emergency operation staging areas shall be provided with a curb or barrier having a minimum height of 4 inches (102 mm) and maximum space between the bottom edge and the surface of the staging area of 2 inches (51 mm) on the outboard sides of the staging area.

An *approved* sign reading FIRE EQUIPMENT STAGING AREA—KEEP CLEAR shall be provided at each staging area.

SECTION 4505

MARINE MOTOR FUEL-DISPENSING FACILITIES

4505.1 Fuel dispensing. Marine motor fuel-dispensing facilities shall be in accordance with Chapter 22.