**02 DEPARTMENT OF PROFESSIONAL AND FINANCIAL REGULATION**

**041 Office of Professional and Occupational Regulation**

**ELEVATOR AND TRAMWAY SAFETY PROGRAM**

**Chapter 511: National Codes Applicable to Elevators and Tramways**

**Summary:** This Chapter specifies the national safety codes and standards that apply to elevators and tramways installed in the State of Maine. Additional requirements regarding elevators and tramways are contained in 32 MRS Chapter 133 and in other chapters of the rules adopted by the Director.

**1. Adoption of Codes; Exceptions; Conflicts**

The Director adopts and incorporates into this Chapter by reference the standards of the national codes and addenda specified in sections 2 and 4. When a rule in another Chapter refers to a national code, the reference is to the edition of the code and addenda adopted in this Chapter. In the event of a conflict between a standard in a national code or addenda and the provision of a Maine statute or the Program’s rules, the provision of the Maine statute or the Program’s rules governs.

**2.** **Elevators**

A. **Pre-1984.** The design, construction, installation, maintenance, repair, alteration, operation and inspection of elevators installed before January 1, 1984, must comply with the standards of ASME A17.3, 2011 edition.

B. **On or After January 1, 1984.** The design, construction, installation, maintenance, repair, alteration, operation and inspection of elevators installed on or after January 1, 1984, must comply with the standards of the following national codes and addenda:

|  |  |  |
| --- | --- | --- |
| **Type of Elevator** | **National Code** | **Supplement/Addenda to Code** |
| Elevators | ASME A17.1, 2013 edition  ASME A17.6, 2010 edition |  |
| Platform Lifts | ASME A18.1, 2014 edition |  |
| Belt Manlifts | ASME A90.1, 2009 edition |  |

Any device or equipment that constitutes an elevator, as that term is defined by 32 MRS §15202(5), must be designed, constructed, installed, maintained, repaired, altered, operated, and inspected in accordance with the standards specified in this section and not with any other national codes or standards.

**NOTE:**

When ASME A17.1 refers to editions of the code in effect at an earlier time, the relevant versions of the code are as follows:

|  |  |  |
| --- | --- | --- |
| **Date of Installation** | **National Code** | **Supplement/Addenda to Code** |
|  |  |  |
| 1/1/84 to 6/3/92 | ASME A17.1, 1981 edition | 1982 Supplement |
|  |  |  |
| 6/4/92 to 6/30/97 | ASME A17.1, 1990 edition |  |
|  |  |  |
| 7/1/97 to 12/31/02  1/1/03 to 1/4/09  1/5/09 to effective  date of this rule | ASME A17.1, 1996 edition  ASME A17.1, 2000 edition  ASME A17.1, 2007 edition | 2002 addenda |

**3. Exceptions to National Codes - Elevators**

A. The following are exceptions to ASME A17.1:

(1) ASME A17.1, Section 1.2.1(b) and (c). The Director does not adopt ASME A17.1, Section 1.2.1(b) and (c).

(2) ASME A17.1, Section 8.11.1.1. In Maine, an individual who is licensed by the Director as an elevator inspector may inspect elevators. The ASME standard provides that anyone who is certified as a Qualified Elevator Inspector may inspect elevators.

(3) ASME A17.1, Section 8.11.1.1.2(a). In Maine, a licensed elevator mechanic is required to perform the periodic tests, complete the State Periodic Test Record, and post the completed Periodic Test Record in the machine room. The periodic tests need not be performed in the presence of an inspector. The ASME standard requires that the periodic tests be performed in the presence of an inspector.

(4) ASME A17.1, Section 8.11.1.1.2(b). In Maine, the documentation requirements in Section 8.11.1.1.2(b) shall be completed by the licensed mechanic and kept with the maintenance records. The ASME standard requires that an inspector submit a written report to the authority having jurisdiction.

(5) ASME A17.1, Section 8.11.1.3. In Maine, periodic inspections must occur every 12 months and category 1, 3 and 5 periodic tests must be performed at 1-year, 3-year, and 5-year intervals, respectively.

(6) ASME A17.1, Section 2.20.1(b). Aramid Fiber Ropes for Elevators are not permitted.

B. The following are exceptions to ASME A17.6:

(1) ASME A17.6, Part 2 Aramid Fiber Ropes for Elevators is not adopted.

C. The following are exceptions to ASME A17.3:

(1) ASME A17.3, Section 1.2 “Application of Code.” In Maine, ASME A17.7 is not adopted.

(2) ASME A17.3, Section 1.5 “Alterations, Maintenance and Inspections and Tests.” In Maine, existing installations shall conform with ASME A17.1, as adopted by the Director.

D. The following are exceptions to ASME A18.1:

(1) ASME A18.1. In Maine, all platform lifts must be equipped with two-way communication.

(2) ASME A18.1, Section 4, Inclined Stairway Chairlifts, in its entirety.

(3) ASME A18.1, Section 5, Private Residence Vertical Platforms, in its entirety.

(4) ASME A18.1, Section 6, Private Residence Inclined Platforms, in its entirety.

(5) ASME A18.1, Section 7, Private Residence Inclined Stairway Chairlifts, in its entirety.

(6) ASME A18.1, Section 10.1.1. In Maine, an individual who is licensed by the Director as a private elevator inspector may inspect elevators. The ASME standard provides that anyone who is certified as a Qualified Elevator Inspector may inspect elevators.

(7) ASME A18.1, Section 10.1.4. In Maine, an individual who is licensed by the Director as an elevator inspector may inspect lifts. The ASME standard provides that anyone who is certified as a Qualified Elevator Inspector may inspect lifts.

(8) ASME A18.1, Section 10.1.2.1. In Maine, a licensed elevator or lift mechanic is not required to perform periodic inspections and tests in the presence of an inspector.

(9) ASME A18.1, Section 10.1.2.1. In Maine, a licensed elevator or lift mechanic is required to perform the periodic tests, complete the State Periodic Test Record, and post the completed Periodic Test Record in the machine room. The periodic tests need not be performed in the presence of an inspector. The ASME standard requires that the periodic tests be performed in the presence of an inspector.

(10) ASME A18.1, Section 10.2.1. In Maine, routine inspections must occur every 12 months. The ASME standard requires that routine inspections occur every 6 months.

**4.** **Tramways**

The design, construction, installation, maintenance, repair, alteration, operation and inspection of all tramways must comply with the provisions of ANSI B77.1, 2011 edition.

**5. Exceptions to National Code - Tramways**

A. The following are exceptions to ANSI B77.1:

(1) Each chair must be equipped with a restraining device that will not open under forward pressure. Restraining devices must be utilized.

**NOTE:**

Copies of ASME A17.1, A17.3, A18.1, A90.1 and B20.1 may be purchased from:

The American Society of Mechanical Engineers

Order Department

22 Law Drive

Box 2900

Fairfield NJ 07007- 2900

Telephone: (800) 843-2763

Web site: [www.asme.org](http://www.asme.org)

A copy of ANSI B77.1 may be purchased from:

American National Standards Institute

25 West 43rd Street

New York NY 10036

Telephone: (212) 642-4900

Web site: [www.ansi.org](http://www.ansi.org)

*(Note: In 2013, statutory changes restructured the licensing and regulation of elevators and tramways by eliminating the Board of Elevator and Tramway Safety and creating the Elevator and Tramway Safety Program, administered by the Director of the Office of Professional and Occupational Regulation.)*

STATUTORY AUTHORITY: 5 MRS §8056(1)(B)(1-3), 32 MRS §15205-A

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