**ELEVATOR SAFETY REVIEW BOARD MEETING**

Thursday November 7, 2024
9:30 am
5860 W 111th St., Chicago Ridge, IL 60415

**AGENDA**

1. Call to order

2. Pledge of Allegiance

3. Board to review and vote whether to approve minutes from the August 13, 2024 Board Meeting. (Final action anticipated)

4. Old Business:
   Elevator progress report – OSFM Elevator Safety Division (ESD)

5. New Business:
   A. Door Lock Monitoring proposed extension, presentation by OSFM, ESD, Board Consultant Dick Gregory available for Board questions.
      - ASME A17.1 2022

   B. Public comment on Item A.

   C. Board to review and act upon Item A (Final action anticipated)

   D. Board to review and act upon the Administrator's (OSFM's) proposed language to amend the Elevator Safety Rules; changes having been approved at the Board's August 2024 meeting. (Final action anticipated) See attached Appendix 1.

   E. Administrator update on Relay Robotics application regarding new technology from August 2024 meeting.

   F. Public comment.

6. Adjournment

Meeting Guidelines

ADA Accommodations: The Elevator Safety Review Board meeting listed on this agenda will be accessible to persons with disabilities. Persons who need special accommodations should contact the Elevator Safety Board Administrator's office at 312-814-8734, by November 5, 2024, no later than 2:00 p.m.

Public Comment Guidelines: Public comment sessions are provided as opportunities for members of the public to address the Board. Commenters shall sign in to provide notice of their intention to speak. Commenters will be given a reasonable amount of time to speak as determined by the Board Chairperson. Participation and sharing of viewpoints are encouraged; however, public comment

sessions are not intended to be conversations with the Board. No commenter shall engage in personal attacks and/or act in an uncivil manner. Such disruptive activity is prohibited, and the commenter may be barred from future opportunities to publicly address Elevator Safety Review Board meetings.

TITLE 41: FIRE PROTECTION
CHAPTER II: ELEVATOR SAFETY REVIEW BOARD

PART 1000
ILLINOIS ELEVATOR SAFETY RULES

Section

1000.10 Purpose of this Part
1000.20 Applicability
1000.30 Definitions
1000.40 Local Regulation
1000.50 Elevator Safety Review Board
1000.60 Adoption of Nationally Recognized Safety Codes
1000.70 Variance and Appeal
1000.75 New Technology
1000.80 Licensure and Registration Requirements
1000.90 Application for License or Registration
1000.100 License and Registration Fees
1000.110 Renewal of License
1000.120 Registration of Conveyances
1000.130 Permits
1000.140 Conveyance Inspection
1000.145 Request for Investigation
1000.150 Certificate of Operation
1000.160 Administrative Hearing
1000.170 Administrative Procedures
1000.180 Service or Inspection of Non-Compliant Conveyances
1000.190 Conveyance Maintenance, Repair, and Upgrade History

AUTHORITY: Implementing and authorized by Section 35 of the Elevator Safety and Regulation Act [225 ILCS 312/35].

SOURCE: Adopted by emergency rule at 30 Ill. Reg. 13186, effective July 21, 2006, for a maximum of 150 days; emergency expired December 17, 2006; adopted at 31 Ill. Reg. 7043, effective April 24, 2007; amended at 32 Ill. Reg. 8377, effective May 27, 2008; amended at 33 Ill. Reg. 5750, effective April 2, 2009; amended at 36 Ill. Reg. 13131, effective October 1, 2012; amended at 39 Ill. Reg. 3417, effective February 19, 2015; amended at 45 Ill. Reg. 7120, effective May 25, 2021; amended at 48 Ill. Reg. 825, effective December 28, 2023; amended at 49 Ill. Reg. ___, effective _____.

**Section 1000.30 Definitions**

For the purposes of this Part, the definitions of terms in Section 15 of the Act and in this Section shall apply.

"Acceptance Inspection" means an inspection performed at the completion of the initial installation or alteration of equipment in accordance with applicable standards.

"Act" means the Elevator Safety and Regulation Act [225 ILCS 312].

*"Alteration" means any change to equipment, including its parts, components or subsystems, other than maintenance, repair or replacement of the equipment or its parts, components or subsystems.* [225 ILCS 312/15] For the purpose of this Part and the Act, this definition will take precedence over similar definitions used in safety codes incorporated by reference in Section 1000.60.

"Authority Having Jurisdiction", as used in ASME A17.1-2022~~2010~~/CSA B44-22~~10~~, and Performance-Based Safety Code for Elevators and Escalators (ASME A17.7-2007/CSA B44.7-07), means the Board.

*"Board" means the Elevator Safety Review Board* created by Section 25 of the Act [225 ILCS 312/15].

"Certificate of Conformance" means a certificate issued by a nationally accredited independent conveyance certification organization designated by ANSI, ASME or SCC (Standards Council of Canada) to operate a certification program that conforms to the Performance-Based Safety Code for Elevators and Escalators (ASME A17.7/CSA B44.7) and that evaluates new technology applicable to a conveyance for conformance with ASME A17.7/CSA B44.7. The Certificate of Conformance provides proof that the conveyance complies with ASME A17.7/CSA B44.7 and any other applicable codes required under the Act. The Certificate shall be part of the basis for approval by the Board.

*"Certificate of Operation" means a certificate issued by OSFM or the Local Administrator that indicates that the conveyance:*

*has passed the required safety inspection and tests;*

*has been registered; and*

*fees have been paid.* [225 ILCS 312/15]

"Code" or "State Code" means the standards and recommendations incorporated by reference in Section 1000.60.

"Contractor License Designee" means an individual designated by a licensed elevator contractor or licensed limited elevator contractor who holds a current elevator mechanic's license or limited elevator mechanic's license and has the responsibility to ensure that work performed by the contractor is done so in conformance with the Act.

*"Elevator Contractor" means any person, firm, or corporation who possesses an elevator contractor license in accordance with the provisions of Sections 40 and 55 of the Act and who is engaged in the business of erecting, constructing, installing, altering, servicing, repairing, or maintaining* and is entitled to perform electrical work on *elevators or related conveyances covered by the Act* within any building or structure, except exempt private residences. [225 ILCS 312/15]

*"Elevator Industry Apprentice" means an individual who is enrolled in an apprenticeship program approved by the Bureau of Apprenticeship and Training of the U.S. Department of Labor and who is registered by OSFM and works under the general direction of a licensed elevator mechanic* or licensed limited elevator mechanic. *Licensure is not required for an elevator industry apprentice.* [225 ILCS 312/15]

*"Elevator Inspector" means any inspector, as that term is defined in ASME QEI, who possesses an elevator inspector license in accordance with the provisions of the Act.* [225 ILCS 312/15]

*"Elevator Mechanic" means any person who possesses an elevator mechanic license in accordance with the provisions of Section 45 of the Act and who is engaged in erecting, constructing, installing, altering, servicing, repairing, or maintaining elevators or related conveyances covered by the Act.* [225 ILCS 312/15]

"Emergency Elevator Mechanic License" means a license issued by OSFM, under Section 45(d) of the Act and Section 1000.80(d) of this Part and based upon the certification of a licensed elevator contractor or licensed limited elevator contractor, whenever OSFM determines that *an emergency exists in the State due to disaster or work stoppage and the number of persons in the State holding* mechanic *licenses is insufficient to cope with the emergency.* [225 ILCS 312/45(d)]

"Hearing Officer" means the presiding officer or officers at the initial hearing before the Board and each continuation of that hearing. A hearing officer must be an attorney-at-law licensed to practice in Illinois.

"Inspector's License" or " Inspection Company License" means *a license issued to an ASME QEI certified elevator inspector or inspection company that has proven the inspector's or the company's qualifications and ability, and has been authorized by the* OSFM *to possess this type of license* under the provisions of this Part. [225 ILCS 312/15]

"Inspection Company License Designee" means an individual designated by a licensed elevator inspection company who holds an elevator inspector license.

"Limited Elevator Contractor License" means a license issued by OSFM, under Section 1000.80(g), that limits the licensee's business to a specific type of conveyance described in ASME A18.1.

"Limited Elevator Mechanic License" means a license issued by OSFM, under Section 1000.80(a), that *authorizes the licensee to carry on a business of erecting, constructing, installing, altering, servicing, repairing or maintaining a specific type of conveyance* described in ASME A18.1 *within any building or structure.* [225 ILCS 312/15]

*"Local Administrator" means the municipality or county that entered into a local elevator agreement with* OSFM *to operate its own elevator safety program in accordance with* the *Act and* this Part.

"Material Alteration" means an "alteration", defined in ASME A17.1 as, any change to equipment, including its parts, components, and/or subsystems, other than maintenance, repair, or replacement.

"New Technology" means an elevator system, component or subsystem that has not been addressed in the Safety Code for Elevators and Escalators (ASME A17.1-2022~~2010~~/CSA B44-22~~10~~), but meets the requirements of a certificate of conformance under the Performance-Based Safety Code for Elevators and Escalators (ASME A17.7-2007/CSA B44.7-07).

"OSFM" means the Office of the State Fire Marshal, which is designated by the Act to be the administrator of the Illinois Elevator Safety and Regulation Program.

*"Owner" means the owner of the conveyance, which could be an individual, a group of individuals or an association, trust, partnership, corporation or person doing business under an assumed name. The owner may delegate his, her or its authority to manage the day-to-day operations of the conveyance to another party, but may not delegate his, her or its responsibilities and duties under* the *Act and* this Part. [225 ILCS 312/15]

*"Private Residence" means a separate dwelling or a separate apartment or condominium unit in a multiple-family dwelling that is occupied by members of a single-family unit.* [225 ILCS 312/15] Private residence excludes a unit used on a time-share basis by more than one family over a period of time.

"Repair", as defined in ASME A17.1, means reconditioning or renewal of parts, components, and/or subsystems necessary to keep equipment in compliance with applicable code requirements. Repair includes only such work as is necessary to maintain present equipment in a safe and serviceable condition and to adjust or replace defective, broken, or worn parts with parts made of equivalent material, strength, and design, if the replacing part performs the same function as the replaced part.

"Temporary Elevator Mechanic License" means a temporary license issued by OSFM, under Section 45(e) of the Act and Section 1000.80(c) of this Part, *when* OSFM agrees that *there are no licensed personnel available to perform elevator work, and upon the request and certification of a licensed elevator contractor* or licensed limited elevator contractor. The individual receiving the temporary elevator mechanic license shall have *an acceptable combination of documented experience and education to perform elevator work without direct and immediate supervision.* [225 ILCS 312/45(e)]

"Temporary Limited Authority" means a temporary license to perform work on a specific type of conveyance described in ASME A18.1 issued, under Section 45(g) of the Act and Section 1000.80(a)(3) of this Part. A temporary license will be issued when OSFM agrees that there are no licensed personnel available to perform elevator work. The license will be issued by OSFM to an individual that OSFM agrees is qualified to perform the work.

(Source: Amended at 48 Ill. Reg. 825, effective December 28, 2023)

**Section 1000.60 Adoption of Nationally Recognized Safety Codes**

a) All conveyances shall be designed, constructed, installed, operated, inspected, tested, maintained, altered and repaired in accordance with the following standards and safety codes:

1) American Society of Mechanical Engineers (ASME)
Three Park Avenue
New York NY 10016-5990

A) Safety Code for Elevators and Escalators (ASME A17.1-2022~~2019~~/CSA B44-2022~~2019~~) and Performance-Based Safety Code for Elevators and Escalators (ASME A17.7-2007 reaffirmed 2017/CSA B44.7-07 reaffirmed 2017).

Modification and Exclusion to the Safety Code for Elevators and Escalators (ASME A17.1-2022~~2019~~/CSA B44-2022~~2019~~) adopted by the Illinois Elevator Safety Review Board:

i) Modification: Witnessing of Initiating Devices for Fireman's Emergency Operation.

All initiating devices for all elevators shall be tested every 5 years. The test shall be witnessed by an elevator inspector. Documentation of the results of the testing of initiating devices must be kept on site in the maintenance records. All hydraulic elevators shall have this documentation completed no later than December 31, 2024. All traction elevators shall have this documentation completed at the time of their first Category 5 test after January 1, 2024. After the initial test, subsequent tests of the elevator's initiating devices shall be conducted no later than 5 years after the date of the last test.

ii) Exclusion: Specifically Excluded from Adoption is Section 8.6.4.20.1(b) Alternative Test Method for Car Safeties;

B) Safety Code for Existing Elevators and Escalators (ASME A17.3-2005), but only as required under Section 35(h) and (i) of the Act and subsection (d);

C) Safety Standard for Platform Lifts and Stairway Chairlifts (ASME A18.1-2023~~2017~~);

D) Standard for the Qualification of Elevator Inspectors (ASME QEI-1-2018).

2) American Society of Civil Engineers (ASCE)
1801 Alexander Bell Drive
Reston VA 20191-4400

Automated People Mover Standards (ANSI/ASCE/T&DI 21-13).

b) All the materials incorporated by reference in this Section are incorporated as of the date specified and include no later editions or amendments.

c) *The Board shall adopt, or amend and adopt, the latest editions of the standards referenced in this* Section *within 12 months after the effective date of the standards.* [225 ILCS 312/35(a)]

d) Upgrade Requirements for Existing Conveyances

1) *Notwithstanding anything else in this* Part*, the following upgrade requirements of the 2007 edition of the Safety Code for Elevators and Escalators (ASME A17.1) and the 2005 edition of the Safety Code for Existing Elevators (ASME A17.3) must be completed by January 1, 2015, but* OSFM or the *Local Administrator may not require their completion prior to January 1, 2013:*

A) *Restricted opening of hoistway doors or car doors on passenger elevators* in accordance with ASME A17.3-2005*;*

B) *Car illumination* in accordance with ASME A17.3-2005*;*

C) *Emergency operation and signaling devices* in accordance with ASME A17.3-2005*;*

D) *Phase reversal and failure protection* in accordance with ASME A17.3-2005*;*

E) *Reopening device for power operated doors or gates* in accordance with ASME A17.3-2005*;*

F) *Stop switch* in *pits* in accordance with ASME A17.3-2005*; and*

G) *Pit ladder installation in accordance with Section 2.2.4.2 of ASME A17.1-2007.* [225 ILCS 312/35(h)]

2) *In the event that a conveyance regulated by this* Part *is altered, the alteration shall comply with ASME A17.1-*2022~~2019~~/CSA B44-2022~~2019~~.

3) *Notwithstanding anything else in this Section, the firefighter's emergency operation and the hydraulic elevator cylinder or cylinders, including the associated safety devices outlined in Section 4.3.3(b) of ASME A17.3-2005, are not required to be upgraded unless:*

A) There *is an alteration of the controller affecting operation control, motion control, or combination of the 2 types of control, (1.1) the operation control, motion control, or combination of the 2 types of control are replaced, (1.2) there is an alteration to the hydraulic cylinder*;

B) *The equipment fails*; or

C) Failing *to replace the equipment jeopardizes the public safety and welfare as determined by the Local Administrator or the Board*. [225 ILCS 312/35(i)]

e) Non-Mandatory Guidelines. It is recommended that all conveyances be inspected and tested in accordance with the following recommended practices. The following list should not be interpreted as excluding other practices recommended by equipment manufacturers.

American Society of Mechanical Engineers (ASME)
Three Park Avenue
New York NY 10016-5990

Guide for Inspection of Elevators, Escalators, and Moving Walks (ASME A17.2-2023~~2017~~)

(Source: Amended at 49 Ill. Reg._____, effective _____)