Elevating Device Mechanic
Continuing Education Curriculum
2021


April 2020

Effective: January 1, 2021 – December 31, 2022

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The Technical Standards and Safety Authority (TSSA) in conjunction with the Elevating Devices Training and Certification Advisory Board (TCAB) has developed the curriculum standard for the 2021 Elevating Device Mechanic Continuing Education cycle, as defined below:

- 6 hours on safe work practices and related topics that may include product-specific safety applications or procedures; the Act, its regulations, applicable code(s), director’s orders/bulletins; and
- 6 hours on technical training related to the elevator industry, which may include cross-discipline training involving curriculum that may have an impact on the elevator trade.

The following training modules and curriculum content shall be delivered to all Elevating Device Mechanics or Mechanics-In-Training during the 2021 Continuing Education cycle.

**Training Modules**

1. **Safe Working Practices, the Act, Regulations, Code(s) and Directors Orders/Bulletins – 6.0 hours**

6 hours on safe work practices, the Act, its regulations, applicable code(s) and director’s orders/bulletins, relevant to the elevating device mechanic certificate classification(s) in attendance. The following items shall be delivered by the accredited continuing education training provider:

1.1 Identify the safe working procedures associated with:
   a. Fall Protection
   b. Electrical Safe Work Practices
   c. Jumpers
   d. Lockout/Tagout (LOTO)
   e. Mechanical Stored Energy
   f. Car Top Access/Egress
   g. Pit Access/Egress
   h. False Car and Running & Working Platforms
   i. Hoisting & Rigging

1.2 Identify the Act, Regulation, Code(s) and Director’s Orders/Bulletins:
   a. Responsibilities of Elevating Device Owner/Operators
      i. Review roles and responsibilities of elevating device owners, as defined in Ontario Regulation 209/01 and all associated legislation (i.e. Code Adoption Document, etc.), as summarized below:
         • Technical Standards and Safety Act, 2000; Ontario Regulation 209/01 Elevating Devices; Elevating Devices Code Adoption Document
         • ASME A17.1/CSA B44 Safety Code for Elevators and Escalators
   b. Category 1, 3, 5 Testing
      i. Define all types of category testing
      ii. Define the critical differences between category testing requirements
      iii. Identify and review all applicable codes, legislation, etc. for category testing, as defined below:
         • Code Adoption Document
         • A17.1
         • A17.2
         • OEM Instructions and test procedures

2. **Technical Training – 6.0 hours**

6 hours on technical training related to the elevator industry, which may include cross-discipline training involving curriculum that may have an impact on the elevator trade.
Suggested Reference Materials

- ASME A17.1/CSA B44 Safety Code for Elevators and Escalators
- ASME A17.2 Guide for Inspection of Elevators, Escalators, and Moving Walks
- CAN/CSA B311 Safety Code for Manlifts
- CSA B354.13 & B354.14 Safe use and best practices for mast climbing transport platforms (MCTPs)
- CSA B355 Lifts for Persons with Physical Disabilities
- CAN/CSA Z256 Safety Code for Material Hoists
- ANSI A10.2 Rope Guided Hoist
- CAN/CSA Z185 Safety Code for Personnel Hoists
- Elevating Devices Code Adoption Document
- Elevator Industry Field Employee Safety Handbook
- Industry Related Information Bulletins
- Occupational Health and Safety Act, R.S.O. 1990, c. O.1
- Technical Standards and Safety Authority, www.tssa.org

General

Elevating device mechanic-in-training certificate holders (EDM-T’s) who are enrolled in and actively attending classroom apprenticeship training (toward an EDM-A certificate) or a classroom training program (toward an EDM-B through EDM-F certificate) through an accredited training provider are exempt from the continuing education requirements, so long as the training has taken place since the previous renewal.

Elevating device mechanic certificate holders identified as qualified instructors by accredited elevating device continuing education training providers and approved as qualified instructor(s) by TSSA are exempt from the continuing education requirements, so long as the complete 2021 continuing education curriculum has been delivered during the renewal cycle by the qualified instructor.

Training Providers

Accredited continuing education training providers will be identified accordingly at www.tssa.org.

All existing accredited continuing education training providers shall submit their continuing education training programs for approval prior to the 2021 Continuing Education cycle. Training shall not commence until formal approval has been issued by TSSA.

The requirements for those organizations seeking accreditation as a training provider or approval of a training program are referred to the Elevating Devices Training Provider Accreditation Policy (the “Policy”) for accreditation requirements. The Policy is available at www.tssa.org.

Elevating device mechanics or mechanics-in-training that have been trained by an organization not accredited for continuing education or an accredited training provider found in contravention of the Policy will not have their applications processed and will be required to re-train. Accredited continuing education training providers shall:

- Employ knowledge verification measures applicable to Safe Working Practices, the Act, Regulations, Code(s) and Directors Orders/Bulletins as part of the January 1, 2021 – December 31, 2022 continuing education cycle;
- Determine Technical Training content for delivery that is relevant to the elevating device mechanic certificate classification(s) in attendance; and
- Deliver an update on ASME A17.1/B44 on a biennial basis.

Effective

The continuing education requirements detailed in the 2021 curriculum standard are applicable to all elevating device mechanic certificate renewals for the period of January 1, 2021 – December 31, 2022.