

Elevating Device Mechanic Continuing Education Curriculum 2023

**Under Ontario Regulation 222/01, Elevating Device Mechanic Policies and Procedures,
Technical Standards and Safety Act, 2000**



April 2022

Effective: January 1, 2023 – December 31, 2024

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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 2023 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 2023 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 Job Hazard Analysis (JHA)/Assessment (2 hours)

- a. Discussion on JHA usage to help prevent/reduce workplace accidents
 - I. Occupational Health and Safety Act
 - II. Field Employee Safety Handbook
 - III. Company specific, as applicable
- b. Introduction to the most recent incidents in the industry
 - I. Create JHA's based on various scenarios
 - II. Deep pit access/egress
 - III. Hoisting and rigging

1.2 Identify the Act, Regulation, Code(s) and Director's Orders/Bulletins (4 hours)

- a. Act and Regulation Update:
 - I. Elevating Devices Code Adoption Document - Amendment 295 / 22 dated February 1, 2022, is hereby adopted and will be in full force by the end of 2022
- b. Code Updates:
 - I. What's new in the ASME A17.1/CSA B44 2019, and all other adopted codes (as outlined in the reference materials)
- c. Director's Orders/Bulletins Update since last CE cycle:
 - I. ED-295-22 - Guideline Document
 - II. ED-300-21 - Advisory SSPI Testing
 - III. ED 299/21 - Special Provisions for EDM-T Construction Hoist Industry
 - IV. ED 294/21 - Federal non-mandated activities
 - V. ED 293/21 - Grounding of Transformers
- d. Practical Skills/Experience Sign-Off Document (the "Skills Passport")
 - I. How to use the Skills Passport
 - II. What it means to sign-off a trainee (e.g., EDM-T) as a Supervising Mechanic
- e. Compliance Standards
 - I. What are compliance standards, why are they being used by TSSA, and the benefits of compliance standards in Ontario.

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 2023 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 2023 Continuing Education cycle. Training shall not commence until formal approval has been issued by TSSA.

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, 2023 – December 31, 2024, 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 2023 curriculum standard are applicable to all elevating device mechanic certificate renewals for the period of January 1, 2023 – December 31, 2024.