



AEDARSA Edmonton

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**Elevating Devices Industry
October 2017**

Notice: To assist the Elevating Devices Industry to meet their safety goals, AEDARSA is providing the following information:

Code and Regulation Change

ASME A17.1 -2013/CSA B44-13 was adopted effective March 1, 2016 by *Alberta Regulation AR 192/2015* (see Alberta Queens Printers website <http://www.qp.alberta.ca>)

Some of the highlights are: (listed in items 1 to 3)

1. Maintenance Control Plan (MCP)

All new and existing elevators and escalators shall meet all maintenance requirements as set out in the ASME A17.1-2013/CSA B44-13 Safety Code for Elevators and Escalators Clause 8.6.

However, the implementation of the formal Maintenance Control Program (MCP) under clause 8.6.1.2.1 was delayed until September 1, 2017 for existing elevators to allow the elevator industry have adequate time to prepare the an MCP for each unique elevating device.

Every elevating device is required to have an AEDARSA MCP Acceptance document posted on the controller or in the logbook that indicates that there is an acceptable MCP for the particular device

MCP Required Testing for Alberta:

- **Category 1** tests shall be completed as of September 1, 2018, and therefore carried out annually
- **Category 5** tests shall be completed as of September 1, 2022 and therefore carried out every 5 years on a continual basis.



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2. Escalators: (Barricades):

ASME A17.1 2013/CSA B44-13 requires that escalators not in operation (moving) are required to be barricaded from public access clause 8.6.11.6 (b) and securely fastened into position to prevent the barricade from being removed.

The reason for the barricading is that the building code presently does not recognize that escalators be used as stairway because the configuration of the escalator steps (riser height). Please refer to 2014 ABC Div. B 3.4.6.8 (1-10) and A-9.8.4 in Appendix A

3. Step Indexing:

All escalators will require step/skirt performance indexing as per clause: 8.6.8.3.3 and 8.6.8.15.19 to be performed initially on new escalators and annually on all existing escalators

The intent of the indexing is to ensure that all escalators meet safety requirements to reduce the possibility of riders becoming entrapped between the step and side (skirt) of the escalator. In many cases, escalators will require the installation of brushes that run along the side of the escalator to meet the indexing requirements.

Additional information regarding step indexing can be found in the following documents:

- **ASME A17.2 Guide** for Inspection of Elevators, Escalators and moving walks provides a guide for the completion of this process. (clause 7.17.2(a)) for both in-service and initial inspections
- **ASME A 17.1/CSA B44 Handbook** 2013 Edition provides the rationale and explanation behind this procedure (clause 6.1.3.3.9)

4. Personnel Hoists:

There has been some confusion in the personnel hoist industry as how the testing of the safeties are too tested as it relates to persons who perform and witness the testing.

The CSA Z185 **Clause 24.4.2** states

The test *of car safeties* shall be carried out:

(a) With rated load in the car; and

(b) Without any persons in the car.

Clarification: Rule (b) also applies to persons on the car. Therefore, no person conducting or witnessing the test of safeties as set clause 24.4.2 will ride the car when conducting the tests.



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5. Accident/Incident Notification:

When an accident/incident involving an elevating device occurs, the owner or person in charge must report the accident/incident to AEDARSA.

For accidents/incidents resulting in fatalities, injuries that require medical treatment or serious damage to equipment, the first step is to telephone our nearest office:

Edmonton 780-448-0184, Calgary 403-216-5750.

To assist in reporting an incident the following information should be included:

- Pictures or drawings of incident scene
- Witness statements from staff and guests
- Injury report(s)
- Building owner's operator's description(s) of the incident
- Excerpts from record keeping documents

Information submitted to AEDARSA is subject to the access and privacy provisions of the Freedom of Information and Protection of Privacy (FOIP) Act.

Elevator Industry Training Seminar

DATES for the second annual ALBERTA ELEVATOR INDUSRTY SEMINAR have been booked, JANUARY 23 to 25, 2018 in Red Deer. This seminar is an excellent opportunity for elevator mechanics to receive valuable information on topics they deal with daily.

We are working on providing a wide range of topics such as:

MCP update Step Indexing How to Reduce Infractions (E-Site) SIL Rated Devices
Adoption of the 2016 Elevator Code Alternate method of testing without weights
Escalator Handrails PEELLE DOORS

Additional Information:

For additional information concerning the topics above any other inquiry, please visit the AEDARSA website or call Edmonton 780-448-0184 or Calgary 403-216-5750