

STANDATA interpretation 19-EDI-006

Elevating Devices

MAINTENANCE FREQUENCY

Date Issued: November 2022

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Purpose

ASME A17.1/CSA B44 elevator code does not prescribe a frequency for required maintenance.

Discussion

In Alberta a minimum maintenance interval of once every three months is required to meet general maintenance requirements. This frequency may be extended through a documented variance, accepted by Alberta Elevating Devices & Amusement Rides Safety Association (AEDARSA). The Maintenance Control Program (MCP) must specify regular intervals for maintenance.

Code References

Reference 1 ASME A17.1/CSA B44 8.6.1.2 General Maintenance Requirements

8.6.1.2.1 A written Maintenance Control Program (MCP) shall be in place to maintain the equipment in compliance with the requirements of Section 8.6. The MCP shall specify examinations, tests, cleaning, lubrication, and adjustments to applicable components at regular intervals (see Section 1.3 for the definition of "maintenance") and shall comply with the following:

8.6.1.2.1 (e) The specified scheduled maintenance intervals (see Section 1.3) shall, as applicable, be based on

- (1) equipment age, condition, and accumulated wear
- (2) design and inherent quality of the equipment

Unless stated otherwise, all Code references in this STANDATA are to ASME A17.1-2019/CSA B44:19

Issued by the Provincial Elevating Devices Administrator

[Original signed]

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- (3) usage
- (4) environmental conditions
- (5) improved technology
- (6) the manufacturer's recommendations and original equipment certification for any SIL rated devices or circuits (see 8.6.3.12 and 8.7.1.9)
- (7) the manufacturer's recommendations based on any ASME A17.7/CSA B44.7 approved components or functions.

Application

This interpretation applies to all elevating devices regulated under the A17.1/CSA B44 safety code for elevators and escalators.

Interpretation

Maintenance frequency

ASME A17.1/CSA B44 does not specify the maintenance intervals for general maintenance requirements. ASME A17.1/CSA B44 Clause 1.2.2.1 permits the authority having jurisdiction to modify specific requirements of the code provided the modification will meet or exceed the code.

Therefore, the maintenance required by 8.6.1.2.1 must be carried out at least once every three months. The maintenance tasks shall not be extended for a period greater than one year.

Extension of interval frequency

If certain conditions such as frequency and types of usage, age and inherent quality of equipment make more frequent maintenance intervals unnecessary, a variance to **8.6.1.2.1** maybe accepted if the original elevator manufacturer, elevator maintenance contractor or professional engineer submits, in writing, to AEDARSA on behalf of the owner a request to vary the maintenance interval and extend it, up to, but not for a period greater than one year.

If the variance is approved by AEDARSA a copy of the variance must be placed in the logbook of the elevating device.

This INTERPRETATION is applicable throughout the Province of Alberta.