



Issue: Category-5 without Load via Alternative Test Methodologies

Background:

1. On December 15, 2015 the *Elevating Devices Codes Regulation* came into enforce adopting ASME A17.1-2013/CSA B44-13 Safety Code for Elevators and Escalators in Alberta.
2. One of the provisions in the ASME A17.1-2013/CSA B44-13 Section 8.6 Maintenance Control Plan (MCP) requires all elevators car and counterweight safeties to be subjected to a full load test known as a “Category-5 test”.
3. The first cycle Category-5 Test must be completed by 2022 and subsequent tests be completed every year thereafter on or before the anniversary date of the first 5-year test.
4. Historically the safety tests were completed using test weights however; it has been recognized by ASME A17.1-2013/CSA B44-13 Clause 8.6.11.10 that alternate means of testing can be employed provided it meets all requirements of the code.

Requirements:

1. Category-5 without load via alternative test methodologies is permitted to used in Alberta as follows;
 - a. All requirements as set ASME A17.1-2013/CSA B44-13 Clause 8.6.11.10 are implemented.
 - b. A test using test weights must be used to establish a benchmark at the same time the alternate means of testing method is being employed for each elevator
 - c. The two tests must produce similar values for the alternate means of testing to be used in lieu of testing with weights in the future.
2. As a result of questions raised by the elevator industry the following clarification have been added Category-5 without load test as set out in Information Bulletin ED-2018-001.
 - a. All Elevator Device Service Providers (EDSP) must forward a copy to AEDARSA of the first “Alternate Means Test” document for the first series tests completed at five (5) different sites. (One test report for one elevator at five different sites).



Alberta Elevating Devices
& Amusement Rides
Safety Association

INFORMATION BULLETIN IBE19-002 Issued 2019

- b. All test report must be added to the logbook, so they cannot be readily removed.
- c. A metal data Test Tag must be provided as required in clause 8.6.1.7.2
- d. Submit a list of mechanics trained to perform the Alternate Means of Testing and use of the data acquisition tool.
- e. Previous “alternate means” test reports either in paper or electronic format may be used as an acceptable baseline for additional “alternate means of testing, provided that the test are conducted with the same equipment.

Implementation:

The practice as set out as above is implemented immediately.

Original signed by:

Dean McKernon,
AEDARSA VP Operations