



Mechanical Compliance Section

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AUTHORIZATION FOR AN ALTERNATIVE TESTING METHOD FOR PERIODIC TEST REQUIREMENTS – CATEGORY 5

I. PURPOSE:

To gain authorization by the Division of Industrial Relations – Mechanical Compliance Section (MCS) for elevator testing without load via alternative testing methodologies.

II. POLICY:

The method, the tools and measuring devices, the procedure, the test report, and any additional documentation involved in any elevator alternative testing must meet the following:

a. The method

- i. shall be certified for reliability from a nationally or internationally recognized testing laboratory, university engineering laboratory or similar entity verifying the method is based on sound engineering principles.
- ii. shall be demonstrated for the MCS for each type of elevator compared against conventional methods prior to authorization.
 1. authorization shall be documented on a letter or form created by the MCS and signed by the Chief Administrative Officer.
- iii. shall meet the requirements of ASME A17.1-2013 Sections 8.6.11.10 and 8.10 respectively.

b. The tools and measuring devices

- i. shall be capable of producing reliable and consistent measurements, suitable for the intended measurement.
- ii. shall be calibrated in accordance with the manufacturer's guidelines.
 1. documentation of calibration shall be provided to the MCS annually and/or within 10 (ten) days of recalibration.


c. The procedure

- i. shall only be performed at locations where the owner of the elevator has granted approval for the use of an alternative testing method.
 1. approval shall be documented on a form created by the MCS and signed by the owner or via a letter signed by the owner on their company letterhead.
- ii. may be performed on elevators having 20 (twenty) or fewer stops.
- iii. may be performed on elevators having more than 20 (twenty) stops if
 1. when first utilized, the test is performed in conjunction with traditional methods on the same elevator to create a baseline comparison report.

- iv. shall not be authorized to be performed on an initial or acceptance inspection without being performed in conjunction with traditional methods on the same elevator to create a baseline comparison report.
 - v. shall not be authorized to be performed for the purpose of reestablishing an operating permit after an alteration, repair or replacement of an elevator and/or its components.
 - vi. shall be performed and documented by an elevator mechanic who is trained and certified in the specific alternative test method to the satisfaction of the MCS.
 - vii. shall be witnessed and verified by a special inspector who is trained and certified in the specific alternative test method to the satisfaction of the MCS.
 - viii. shall be observed by the MCS when first utilized on each elevator for quality control purposes.
 - ix. shall meet the requirements of ASME A17.1-2013 Section 8.6.11.10.3
- d. The test report
- i. shall be provided to MCS and a copy shall remain on site.
 - ii. shall meet the requirements of ASME A17.1-2013 Section 8.6.11.10.4
- e. Additional documentation
- i. shall be provided to the MCS upon request and shall be limited to supporting documents; to maintain, troubleshoot, and verify compliance with any applicable code, regulation, ordinance, and/or policy.
 - 1. specific proprietary design documents are excluded.

III. RESPONSIBILITIES:

- a. It is the responsibility of the entity requesting the authorization of the alternative testing method
 - i. to train the individuals involved in the testing procedure.
 - ii. to inform the MCS of any proposed changes and/or improvements to an authorized alternative test method.
 - iii. to provide documentation verifying assumption of liability for possible damage and/or injury that may take place during the duration of the test that is directly related to the alternative test; method, tools and measuring devices, and/or procedure.



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Mechanical Compliance Section