



**Subject: AEDARSA In-Service Escalator Inspections.**

**Issue:** How should in-service inspection, AEDARSA SCOs be conducted by AEDARSA SCOs?

**Background:**

1. In December 2015, a new Elevating Devices Codes Regulation AR 192/2015 adopting ASME A17.1-2013/CSA 844-13 was introduced requiring all Elevators and Escalators to meet the requirements of section 8.6 of the code.
2. ASME A17.1-2013/CSA 844-13 section 8.6 states that "Category -1 Tests" must be carried out by the owner through their service provider on an annual basis
3. AEDARSA's current practice when performing Escalator Inspections involves removing Escalator Steps to complete tests of various safety components
4. Effective September 1, 2017, Elevator Companies are required to complete a total check of Escalators on an annual basis (Category 1 Tests).
5. AEDARSA's general policy is to complete compliance monitoring to ensure that elevating devices are safe in Alberta through auditing not only the equipment but checking the owners and service providers are fulfilling their obligations.
6. In many cases special tools such as; step-indexing machines, comb-step impact testing device and special computer interface tools are required to complete a thorough inspection.

**Supporting documentation:**

- Code in effect: ASME A17.1-2013/CSA B44-13

**Findings:**

1. Elevator Companies can address infractions, encountered during In-Service Inspections.
2. Elevator Companies are equipped with the necessary tools and test procedures, both proprietary and non-proprietary to demonstrate a test or to rectify deficiencies that may arise during an In-Service Inspection.
3. Tests that require the use of specialized tools may include:
  - a. Comb-Step Impact Devices
  - b. Handrail Tension
  - c. Step/Skirt Performance Index
  - d. Missing Step Device

**Requirements:**

1. It is in the best interest of all parties involved including; AEDARSA, the Elevator Companies and Building Owners, to have the contracted elevator company present during our Annual Inspections.



2. Immediate benefit to AEDARSA, the Elevator Companies and the Building Owners both financially and advantageously reducing the overall downtime of the escalator.
3. Contracted Elevator Company and Building Owner will be able to effectively schedule their scheduled maintenance or Category 1 Tests by working with AEDARSA.
4. AEDARSA to provide one (1) SCO per inspection to witness tests.
5. Eliminate an unnecessary or unscheduled callback to a customer's escalator if a problem is encountered during the inspection.
6. Opportunity for both parties to educate each other which in turn has a long-term benefit on the industry as a whole.

**Implementation**

This information bulleting is implemented immediately.

*Original signed by:*

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