

ASME A17.7.1/CSA B44.7.1
General Requirements for
Accredited Elevator/Escalator Certification
Organizations

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General Requirements for Accredited Elevator/Escalator Certification Organizations, ASME A17.7.1/CSA B44.7.1

Guidance for ISO/IEC 17065

1 Scope

1.1 This document provides guidance for the use of ISO/IEC 17065 as applied to an Accredited Elevator/Escalator Certification Organization (AECO) accredited by ANSI or SCC operating an A17.7/B44.7 certification system. The requirements of ISO/IEC 17065 apply in full except where modified by this document.

NOTE (1.1): The clause numbers used in this document correspond to the ISO/IEC17065 clauses to be modified.

1.2 The A17.7/B44.7 certification system used by the AECO also includes a review of the client's technical documentation.

2 References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies. See also the Bibliography of ISO/IEC 17065.

ASME A17.7/CSA B44.7.

ISO 9000, Quality management systems – Fundamentals and vocabulary.

ISO/IEC 17065 Conformity assessment — Requirements for bodies certifying products, processes and services

3 Definitions

For the purposes of this Standard, the relevant definitions given in ISO/IEC 17000 and ISO 9000 apply, together with the following definitions:

3.1 client: organization or person responsible to a certification body for ensuring that certification requirements (3.7), including product requirements (3.8), are

fulfilled. With reference to ASME A17.7/CSA B44.7 the installer and/or manufacturer is the client.

NOTE Whenever the term “client” is used in this International Standard, it applies to both the “applicant” and the “client”, unless otherwise specified.

3.15 AECO: An ANSI or SCC accredited, independent organization concerned with product safety evaluation, which awards certificates of conformance with ASME A17.7/CSA B44.7. Where the term “certification body” is used in ISO/IEC 17065 it shall be understood to mean “AECO.”

6.1 Certification Body Personnel

6.1.1.4 Criteria for AECO personnel shall collectively include:

- (a) registered or licensed Professional Engineer;
- (b) experience in the use or application of Risk Assessment Methodology(ies);
- (c) experience in the use or application of Elevator Safety Codes – ASME A17 and CSA B44 documents; e.g. member of code committee, elevator inspector, elevator designer, QEI-certified, etc.;
- (d) experience in the use or application of codes with elevator-related requirements, i.e. building codes, electrical codes, life safety, etc., e.g. member of code committee, elevator inspector, elevator designer, QEI-certified, etc.;
- (e) familiarity with industry terminology;
- (f) ability to read and understand architectural, installation and layout drawings and circuit diagrams;
- (g) experience in the use or application of electrical, electronic, mechanical and other principles related to elevator products being evaluated; and
- (h) experience in the use or application of the functions and operations of elevator products being evaluated.

7 Process requirements

7.1.2 The criteria against which the products of a client are evaluated shall be those contained in A17.7/B44.7.

7.2 Application for Certification

7.2.1 The applicant, as a minimum, shall provide the following information:

- a) for certification of components, sub-systems and functions the information required by 17.7/B44.7 Mandatory Appendix I, clauses I-3.2 and I-3.3;
- b) for certification of elevator systems, the information required by A17.7/B44.7 Mandatory Appendix I, clauses I-4.2 and I-4.3.

7.4 Evaluation

7.4.4.1 The AECO shall evaluate conformance with A17.7/B44.7.

The AECO shall demonstrate to the accreditation body that all conformity assessment activities it conducts (testing, inspection, quality management system evaluation, surveillance etc.) are carried out in a manner consistent with the applicable requirements of the normative documents for these activities.

7.4.10 The AECO shall evaluate the products of the applicant against the requirements of A17.7/B44.7. The AECO shall examine the technical documentation to verify that the elevator system, sub-system, component or functions meet the relevant GESRs; and

- a) for a sub-system, component or function, perform or have performed appropriate checks and tests necessary to determine whether the solutions adopted by the manufacturer of the sub-system, component or function meet the requirements of A17.7/B44.7, allowing the sub-system, component or function to carry out its function when correctly fitted on an elevator as specified in the manufacturer's CCD, or;
- b) for an elevator system, perform or have performed the appropriate checks and tests necessary to determine that the elevator system meets the requirements of A17.7/B44.7.

7.7 Certification Documentation

7.7.4 The AECO shall provide to each client offering certified products, formal certification documents in the form of a Certificate of Conformance to A17.7/B44.7, signed by an officer who has been assigned such responsibility. The certificate and related documents shall include the following:

- a) the name and address of the client whose products are the subject of certification;
- b) the scope of the certification, including, as appropriate,

- 1) the products certified, which may be identified by type or range of products,
 - 2) the relevant parts of ASME A17.7/CSA B44.7 to which each product or product type is certified,
 - 3) the edition of and requirements in A17.1/B44 that the product does not comply with, and where the alternative method to comply with A17.7/B44.7 is used,
 - 4) the certification system.
- c) effective date of the certificate and the term of the certification if applicable.

7.12 Records

7.12.4 Each AECO shall maintain up to date records, available in a publicly accessible medium, containing the relevant information concerning:

- a) Certificates of Conformance issued; and
- b) Certificates of Conformance withdrawn.