

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 Guide 65:1996

1 Scope

1.1 This document provides guidance for the use of ISO/IEC Guide 65 as applied to an Accredited Elevator/Escalator Certification Organization (AECO) accredited by ANSI, ASME or SCC operating an A17.7/B44.7 certification system. The requirements of ISO/IEC Guide 65 apply in full except where modified by this document.

NOTE (1.1): The clause numbers used in this document correspond to the ISO/IEC Guide 65 clauses to be modified.

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

2 References

The following list of reference standards replaces all of the reference standards listed in ISO/IEC Guide 65:

ASME A17.7/CSA B44.7.

ISO 9000:2000, Quality management systems – Fundamentals and vocabulary.

ISO 19011:2002, Guidelines for quality and/or environmental management systems auditing.

ISO/IEC 17000:2004, Conformity assessment - vocabulary and general principles.

ISO/IEC 17030:2003, Conformity assessment - General requirements for third-party marks of conformity.

ISO/IEC 17025:1999, General requirements for the competence of testing and calibration laboratories.

ISO/IEC Guide 27:1983, Guidelines for corrective action to be taken by a certification body in the event of misuse of its mark of conformity.

ISO/IEC 17020:1998, General criteria for the operation of various types of bodies performing inspection.

ISO/IEC Guide 53:1988, An approach to the utilization of a supplier's quality system in third-party product certification.

ISO/IEC Guide 62:1996, General requirements for bodies operating assessment and certification/registration of quality systems.

ISO/IEC Guide 65:1996, General requirements for bodies operating product certification systems.

NOTE 2: Some of the references in ISO/IEC Guide 65:1996 are superseded by the above references.

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 supplier: The party that is responsible for ensuring that products meet and, if applicable, continue to meet, the requirements on which the certification is based. With reference to ASME A17.7/CSA B44.7 the installer and/or manufacturer is the supplier.

3.2 AECO: An ANSI, ASME 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 Guide 65 it shall be understood to mean “AECO.”

4 AECO

4.1.3 The criteria against which the products of a supplier are evaluated shall be those outlined in A17.7/B44.7.

4.3 Operations

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

In conducting its certification operations, the AECO shall observe, as appropriate, the requirements for the suitability and competence of body(ies) or person(s) carrying out testing, inspection and certification/registration as specified in ISO/IEC 17025, ISO/IEC 17020 and ISO/IEC Guide 62.

4.9 Records

4.9.3 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.

5 Certification Body Personnel

5.2 Qualification Criteria

5.2.1.1 Criteria for the AECO shall include:

- (a) Qualification as a Professional Engineer;
- (b) knowledge of Risk Assessment Methodology(ies);
- (c) knowledge of Elevator Safety Codes – ASME A17 and CSA B44 documents;
- (d) knowledge of elevator-related codes, i.e. building codes, electrical codes, life safety, etc.;

- (e) familiarity with industry terminology;
- (f) ability to read and understand architectural, installation and layout drawings and circuit diagrams;
- (g) working knowledge of electrical, electronic, mechanical and other principles related to elevator systems being evaluated; and
- (h) working knowledge of the functions and operations of elevator systems being evaluated.

8 Application for Certification

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

- a) for certification of components, sub-systems and functions the information required by A17.7/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.

10 Evaluation

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.

12 Decision on Certification

12.3 The AECO shall provide to each supplier 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 supplier 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 certification system.
- c) effective date of the certificate and the term of the certification if applicable.