



Technical Specification

ISO/TS 8103-3

Escalators and moving walks —

Part 3: Requirements from other standards (ASME A17.1/CSA B44 and Japanese codes) not included in ISO 8103-1

Escaliers mécaniques et trottoirs roulants —

*Partie 3: Exigences issues d'autres normes (ASME A17.1/CSA B44
et codes japonais) non incluses dans l'ISO 8103-1*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 178, *Lifts, escalators and moving walks*.

A list of all parts in the ISO 8103 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

0.1 General

The machinery concerned and the extent to which hazards, hazardous situations and hazardous events are covered are indicated in the scope of this standard.

0.2 General remarks

This document is to be used in combination with ISO 8103-1 for the purpose of achieving equivalency with the requirements of ASME A17.1/CSA B44 and Japanese codes respectively, where the scopes of ASME A17.1/CSA B44 and Japanese codes coincide with the scope of this document. Equipment outside of the scope of this document is not addressed.

This document is not a substitute for ASME A17.1/CSA B44 or Japanese codes and it does not evaluate or interpret requirements in those standards/codes.

As a further clarification, it is emphasized that although differences exist in the various standards, it does not imply that any standard is superior to another standard covering the same scope.

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Escalators and moving walks —

Part 3:

Requirements from other standards (ASME A17.1/CSA B44 and Japanese codes) not included in ISO 8103-1

1 Scope

This document identifies section and requirement numbers from ASME A17.1/CSA B44 or Japanese codes for requirements not included in ISO 8103-1. The content of the specific requirements is published in ASME A17.1/CSA B44 and Japanese codes.

This document is applicable for new escalators and moving walks (pallet or belt type) as defined in ISO/DIS 8103-1:—, Clause 3.

This document deals with all significant hazards, hazardous situations, and events relevant to escalators and moving walks when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see [Clause 4](#)).

This document is not applicable to escalators and moving walks which were manufactured before the date of its publication. It is, however, expected that existing installations be adapted to this standard.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Use of this document

Products designed in compliance with specific requirements of ISO 8103-1 may not be in compliance with specific prescriptive requirements in ASME A17.1/CSA B44-2016 or Japanese Codes.

By referring to [Table 1](#), specific prescriptive requirements of ASME A17.1/CSA B44-2016 that need to be addressed in addition to or in place of requirements of ISO 8103-1 can be identified by the user.

In a similar way, [Table 2](#) identifies requirements of Japanese codes that need to be addressed by the user.

[Tables 1](#) and [2](#) provide guidance and in all cases the relevant standards need to be consulted.

In each table, there are five columns as follows:

- Column 1 identifies the clause number in ISO 8103-1:—;

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- Column 2 describes the subject matter;
- Column 3 identifies the requirement to be addressed in addition to ISO 8103-1:—;
- Column 4 identifies the requirement to be addressed in place of ISO 8103-1:—; and
- Column 5 contains comments and explanations intended to provide guidance to the user.

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Table 1 — ASME A17.1/CSA B44 Requirements not included in ISO 8103-1

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
3.1.21	nominal speed		1.3	A17.1/B44 has differing speed definition
	Protection of floor openings	6.1.1		A17.1/B44 has additional requirements regarding floor openings referred to applicable building code.
5.2.1.5	Apertures for ventilation	6.1.2/ 6.2.2		A17.1/B44 has additional requirements regarding aperture access restriction. <i>Escalators/moving walks are to be effectively ventilated to dissipate excessive heat. Apertures are to not enable contact with moving parts.</i>
5.2.1.6	Requirement for safety device		6.1.7.3.3 6.2.7.3.3	A17.1/B44 has differing requirements
5.2.2	Angle of inclination		6.1.3 6.1.3.1 6.2.3.1	A17.1/B44 has differing requirement regarding maximum inclination angle.
5.2.3	Access to the interior	8.1.3		A17.1/B44 has additional requirements
5.2.4	Inspection covers		6.1.7.3 6.1.7.3.1 6.1.7.3.2	A17.1/B44 has differing requirements regarding the locking device and additional cover weight requirements.
5.2.5	Structural design		6.1.3.9 6.2.3.10 6.1.3.9.1 6.2.3.10.1	A17.1/B44 has specific requirements for the calculation of structural components.
		6.1.3.5.8 6.2.3.5.6		A17.1/B44 has additional requirements regarding step and pallet retention.
5.3.2	Dimensions		6.2.3.7	A17.1/B44 has differing dimensional requirements
5.3.3.1	Structural design		6.1.3.9.4 6.1.3.10.4 6.2.3.11.4	A17.1/B44 has differing requirements.
5.3.2.2	Step treads and pallets		6.2.3.7	A17.1/B44 has differing requirements.
5.3.2.2.3	Step treads		6.1.3.5.5 6.2.3.5.1	A17.1/B44 has differing requirements.
5.3.2.3	Belts		6.2.3.6.2	A17.1/B44 has differing requirements.
5.3.3	Structural design		6.1.3.9.4 6.1.3.10.4 6.2.3.11.4	A17.1/B44 has differing requirements.
5.3.3.2.4	Belts		6.2.3.9	A17.1/B44 has differing requirements.
5.3.3.3	Dynamic tests	6.1.3.5.7 8.3.11		A17.1/B44 has additional requirements regarding evaluation of step cracks.

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
5.3.3.3.2.1	Pallets Load test		6.2.3.5.4 8.3.11	A17.1/B44 has differing requirements.
5.3.4	Guiding of steps, pallets and belt		6.1.3.5.4 6.2.3.5.2 6.1.3.5.6	A17.1/B44 has different requirements.
5.3.5	Clearance between steps or pallets		6.1.3.5.4 6.2.3.5.2 6.1.3.5.6	A17.1/B44 has different requirements.
5.4.1.2.2	Speed of escalators		6.1.4.1.1	A17.1/B44 has differing requirements. For escalators the defined maximum is 0,5 m/s.
5.4.1.2.3	Speed of moving walks		6.2.4	A17.1/B44 has different requirements.
5.4.1.3	Link between operational brake and step, pallet or belt drive		6.1.5 6.2.5 6.1.5.1 6.2.5.1 6.1.5.3 6.2.5.3 6.1.5.3.1 6.2.5.3.1	A17.1/B44 has differing requirements.
No equivalent requirements	V belts drive	6.2.3.14		A17.1/B44 has additional requirements.
5.4.1.3.2	Safety factor of driving elements		6.1.3.1 6.2.3.11	A17.1/B44 has differing requirements.
5.4.2.1.1.2	Operational braking by electro mechanical brake.	6.1.5.3.1(a) 6.2.5.3.1(a)		A17.1/B44 has additional requirements.
5.4.2.1.1.3	Operational braking by electrical braking.			A17.1/B44 does not allow the use of electrical braking. Note: A17.1/B44 – 2019 allows electrical braking. Reference 6.1.5.3.3 and 6.1.5.3.4.
5.4.2.1.2	Electro-mechanical brake		6.1.5.3.1 (a) and (b) 6.2.5.3.1 (a) and (b)	A17.1/B44 has differing requirements.
5.4.2.1.3.1	Determination of the brake load for escalators		6.1.3.9.3	A17.1/B44 has differing requirements.
5.4.2.1.3.2	Stopping distances for the escalator		6.1.5.3.1 (c)	A17.1/B44 has differing requirements.
5.4.2.1.3.3	Determination of the brake load for moving walks		6.2.3.10.3	A17.1/B44 has differing requirements.
5.4.2.1.3.4	Stopping distances for moving walks		6.2.5.3.1 (c)	A17.1/B44 has differing requirements.

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
5.4.2.2	Auxiliary brake		6.1.5.3.2 6.2.5.3.2	A17.1/B44 has different requirements.
5.4.2.2.3	Auxiliary brake	6.1.5.3.2 6.2.5.3.2		A17.1/B44 also permits permanent magnet brakes.
5.4.2.3	Protection against excessive speed and unintentional reversal		6.1.6.3.2 6.2.6.3.2 6.1.6.3.8 6.2.6.3.7	A17.1/B44 has differing requirements.
5.4.3	Steps and pallets drive		6.1.3.11 6.2.3.12 6.1.6.3.3	A17.1/B44 has differing requirements.
5.4.3.2	Steps and pallets drive		6.1.3.10.3 6.2.3.11.3 6.1.3.9.2 6.2.3.10.2	A17.1/B44 has differing requirements.
5.4.3.3	Steps and pallets drive	6.1.6.3.3		A17.1/B44 has additional requirements to detect excessive sag step chain.
5.5.2	Dimensions of balustrade		6.1.3.4.5 6.2.3.2.2	A17.1/B44 has differing requirements.
5.5.2.2	Prevention of climbing on balustrades and anti-slide device	6.1.3.3.13 6.2.3.3.8 6.1.3.3.12		A17.1/B44 has additional requirements.
5.5.2.3	Dimensions of balustrade	6.1.3.3.2 6.2.3.3.2		A17.1/B44 has additional requirements.
5.5.2.4	Dimensions of balustrade		6.1.3.3.1 6.2.3.3.1 6.1.3.3.3 6.2.3.3.3	A17.1/B44 has differing requirements.
5.5.2.6	Lower inner decking	6.1.3.3.4 6.2.3.3.4		A17.1/B44 has additional requirements.
5.5.2.6.1	$b_4 < 30$ mm (see Figure 6).	6.1.3.3.4 6.2.3.3.4		A17.1/B44 has additional requirements.
5.5.2.6.2	Dimensions of balustrade	6.1.3.3.4 6.2.3.3.4		A17.1/B44 has additional requirements.
5.5.3.1	Skirting		6.1.3.3.6 6.2.3.3.6	A17.1/B44 has differing requirements.
5.5.3.2	Skirting		6.1.3.3.6 6.2.3.3.6	A17.1/B44 has differing requirements.

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
5.5.3.3	Skirting	6.1.3.3.6 6.2.3.3.6		A17.1/B44 has additional requirements.
5.5.3.4	Skirting requirements		6.1.3.3.6 6.2.3.3.6 6.1.3.3.7 6.1.3.3.8 6.1.3.3.9 6.1.3.3.10 6.1.3.5.6	A17.1/B44 has differing and additional requirements.
5.5.4.2	Newel		6.1.3.4.2/6.2.3.4.2	A17.1/B44 differing requirements.
5.5.5.1	Clearance between steps, pallets or belt and skirting		6.1.3.3.5	A17.1/B44 has different requirements.
5.6.1	Handrail system	6.1.3.4 6.2.3.4 6.1.3.4.1 6.2.3.4.1		A17.1/B44 has additional requirements.
No equivalent requirements.	Handrail splicing	6.1.3.4.4/6.2.3.4.4		A17.1/B44 has additional requirements.
5.6.2.2	Handrail width		6.1.3.2.2. 6.2.3.2.3	A17.1/B44 has different requirements
5.6.2.3	Handrail system		6.1.3.2.2. 6.2.3.2.3	A17.1/B44 has different requirements
5.6.3		6.1.3.2.2 6.2.3.2.3		A17.1/B44 has additional requirements
5.7.2	Configuration of steps, pallets and belts		6.1.3.6.5	A17.1/B44 has differing requirements.
5.7.2.4	Configuration of steps, pallets and belts		6.2.3 6.2.3.1 6.2.3.5.3	A17.1/B44 has differing requirements.
5.7.2.5	Combs	6.1.3.6.1 6.2.3.8.1		A17.1/B44 has additional requirements.
5.7.3.2.4		6.1.3.6 6.2.3.8.1		A17.1/B44 has additional requirements.
5.7.3.2.6	Design		6.1.6.3.13 6.2.6.3.11	A17.1/B44 has differing requirements.
No equivalent requirements	Combs	6.1.3.6.2 6.2.3.8.2		A17.1/B44 has additional requirements.

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
5.7.3.3.2	Mesh depth of the combs into the grooves	6.1.3.6 6.2.3.8 6.1.3.6.1 6.2.3.8.1		A17.1/B44 has additional requirements relating to clearance between the comb and the steps when load is applied to the comb plate.
5.8.1	Machinery spaces, driving station and return stations		6.1.7.3.4 6.2.7.3.4	A17.1/B44 has differing requirements.
5.8.2.1	Dimensions and equipment			Requirements defined in local codes and standards apply.
5.8.3.2	Lighting and socket outlets		6.1.7.1 6.2.7.1 6.1.7.1.1 6.2.7.1.1 6.1.7.1.2 6.2.7.1.2	A17.1/B44 has differing requirements defined in local codes and standards.
5.9	Fire protection		6.1.1 6.2.1 6.1.1.1 6.2.1.1 6.1.2 6.2.2 6.1.2.1 6.2.2.1 6.1.3.5.1 6.2.3.5.5	A17.1/B44 has differing requirements.
5.11	Electric installations and appliances		6.1.7.4/6.2.7.4 6.1.7.4.1/6.2.7.4.1 6.1.7.4.2/6.2.7.4.2 6.1.8	A17.1/B44 has differing requirements.
5.11.1.2.3	electromagnetic compatibility		6.1.7.4.3	A17.1/B44 has differing requirements.
5.11.1.3	Protection against direct contact.		6.1.7.4.1	A17.1/B44 has differing requirements defined in local codes and standards.
5.11.1.4	Insulation resistance tests		6.1.7.4.1	A17.1/B44 has differing requirements defined in local codes and standards.
5.11.1.5	Voltage limit for control and safety circuits		6.1.7.4.1	A17.1/B44 has differing requirements defined in local codes and standards.
5.11.1.6	Conductor for neutral and earth-continuity			A17.1/B44 has differing requirements defined in local codes and standards.
5.11.2	Components of failsafe circuits		6.1.7.4.1 6.2.7.4.1	A17.1/B44 has differing requirements defined in local codes and standards.

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
5.11.3	Main switches		6.1.7.4.1 6.2.7.4.1	A17.1/B44 has differing requirements defined in local codes and standards
5.11.4.2	Cross-sectional area of conductors		6.1.7.4.1 6.1.7.4.2 6.2.7.4.1 6.2.7.4.2	A17.1/B44 has differing requirements.
5.11.4	Electric wiring		6.1.7.4.1 6.2.7.4.1	A17.1/B44 has differing requirements defined in local codes and standards
5.12.1	Protective devices and functions	6.1.6 6.2.6 6.2.6.1		A17.1/B44 has additional requirements.
5.12.1.2	Protection against electric faults		6.1.6	A17.1/B44 has differing requirements
5.12.1.3	Protection of motors			A17.1/B44 has differing requirements defined in local codes and standards
5.12.2.1	Safety devices and functions		6.1.6	A17.1/B44 has differing requirements
5.12.2.2	Function of safety devices		6.1.6 6.1.6.12	A17.1/B44 has differing requirements
5.12.2.3	Monitoring of safety devices			A17.1/B44 has additional requirements.
5.12.2.4	Power supply of safety devices		6.1.6.11 6.2.6.11	A17.1/B44 has differing and additional requirements.
5.12.2.6	Means of safety devices		6.1.6	A17.1/B44 has differing requirements.
5.12.2.7	Events to be detected by safety devices		6.1.6 6.2.6	A17.1/B44 has differing and additional requirements.
No equivalent requirements	Drive chain device	6.1.6.3.4 6.2.6.3.4		A17.1/B44 has additional requirements.
No equivalent requirements	Escalator/moving walk smoke detectors	6.1.6.8/6.2.6.7		A17.1/B44 has additional requirements.
No equivalent requirements	Step lateral displacement device.	6.1.6.3.14		A17.1/B44 has additional requirements.
No equivalent requirements	Disconnected motor safety device.	6.1.6.3.10/6.2.6.3.8		A17.1/B44 has additional requirements.
No equivalent requirements	Step upthrust device	6.1.6.3.9		A17.1/B44 has additional requirements.
No equivalent requirements	Dynamic skirt panel obstruction device.	6.1.6.3.16		A17.1/B44 has additional requirements.
No equivalent requirements	Skirt obstruction device	6.1.6.3.6		A17.1/B44 has additional requirements.
5.12.2.7.2	Detection of excessive speed		6.1.6.3.2/6.2.6.3.2	A17.1/B44 has differing requirements.

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
5.12.2.7.3	Detection of unintentional reversal of the direction of travel		6.1.6.3.8/6.2.6.3.7	A17.1/B44 has differing requirements.
5.12.2.7.5	Detection of breakage or undue elongation of the step/pallet chains		6.1.6.3.3 6.2.6.3.3	A17.1/B44 has differing requirements.
5.12.2.7.7	Detection of entrapment at comb		6.1.6.3.13 6.2.6.3.11	A17.1/B44 has differing and additional requirements.
5.12.2.7.8	Detection of the stopping of a succeeding escalator or moving walk or detection of structural measures blocking the exit of the escalator or moving walk		6.1.6.3.7 6.2.6.3.6 6.1.6.6 6.2.6.6	A17.1/B44 has differing requirements.
5.12.2.7.9	Detection of entrapment at hand rail entry		6.1.6.3.12 6.2.6.3.10	A17.1/B44 has differing requirements.
5.12.2.7.10	Detection of sagging of step or pallet		6.2.6.3.9 6.1.6.3.11	A17.1/B44 has differing requirements.
5.12.2.7.11	Detection of missing of step or pallet		6.1.6.5 6.2.6.5	A17.1/B44 has differing requirements.
5.12.2.7.13	Detection of speed deviation of the handrail		6.1.6.4 6.2.6.4	A17.1/B44 has differing requirements.
5.12.2.7.15	Detection of the actuation of the stop device for emergency situations	6.1.6.3.1 6.2.6.3.1 (c)		A17.1/B44 has additional requirements.
5.12.2.7.17	Detection of the maintenance and repair stop device	6.1.6.3.5 6.2.6.3.5		A17.1/B44 has additional requirements. Refer to 14799-2 worldwide acceptance
5.12.2.7.18	Detection of the actuation of the stop device on the inspection control device	6.1.6.3.15 6.2.6.3.12		A17.1/B44 has additional requirements. Refer to 14799-2 worldwide acceptance
5.12.2.8	Function of failure lock		6.1.6.14 6.2.6.14	A17.1/B44 has different requirements.
5.12.2.9	Function for detecting deviations of the electrical braking sequence			A17.1/B44 has no equivalent requirements.
5.12.3.2	Making available for use and starting – manually operated		6.1.6.2	A17.1/B44 has different requirements.
5.12.3.3	Automatic operation – Starting in predetermined direction		6.1.6.1.1 6.2.6.1.2	A17.1/B44 has different requirements.

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
5.12.3.4	Automatic operation - Starting in 2-Direction-Mode		6.1.6	A17.1/B44 has different requirements
5.12.3.5	Stopping the escalator or moving walk	6.1.6.10.4/6.2.6.10.4 a) 1) 2) b) c) d) 6.1.6.15		A17.1/B44 has additional requirements.
5.12.3.7	Stopping - automatically operated		6.1.6.1.1	A17.1/B44 has different requirements.
5.12.3.8	Stopping by stop device for emergency situations, manually operated	6.1.6.3.1 6.2.6.3.1		A17.1/B44 has additional requirements.
5.12.3.10	Preventing from starting when permitted stopping distance exceeded		6.1.6.7 6.2.6.7	A17.1/B44 has additional requirements.
5.12.3.13	Inspection control		6.1.6.3.15 6.2.6.3.3 6.1.6.2.2 6.2.6.2.2	A17.1/B44 has different requirements.
6.2	Specific data, test reports and certificates	8.3.6 8.3.6.1 8.3.6.2 8.3.6.3 8.3.6.4		A17.1/B44 has additional requirements.
7.1	Information for use	8.6		A17.1/B44 has additional requirements.
7.2	Signals and warning devices		6.1.6.9 6.1.6.9.1 6.2.6.9.1 6.1.6.9.2 6.2.6.9.2	A17.1/B44 has different requirements.
7.2.1.2.2	Stop devices	6.1.6.3.1 6.2.6.3.1		A17.1/B44 has additional requirements.
7.3	Inspection and test	8.10.4		A17.1/B44 has additional requirements.
7.3.2	Constructional inspection and acceptance inspection and test		8.10	A17.1/B44 has different requirements.
No additional requirements	Periodic inspections and witnessing of tests	8.11		A17.1/B44 has additional requirements.

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
7.4	Accompanying documents		8.6.1.2 8.6.1.2.1 8.6.1.2.2 8.6.1.3 8.6.1.4 8.6.1.4.1 8.6.11.6.1 (e)	A17.1/B44 has different requirements.
7.5	Marking		8.6.1.5 8.6.1.5.1 8.6.1.5.2 8.9.1 8.9.2 8.9.3	A17.1/B44 has different requirements.
A.2.1		6.1.3.12 6.2.3.15		A17.1/B44 has additional requirements.
A.2.2 and A.2.3				A17.1/B44 has different requirements.
A.2.4			6.1.3.3.1 6.2.3.3.1	A17.1/B44 has different requirements.
A.2.5		6.1.3.6.4 6.2.3.8.4		A17.1/B44 has additional requirements.
A.2.8/A.2.9			6.1.7.2 6.2.7.2	A17.1/B44 has different requirements.
A.3.4	Machinery spaces outside the truss			A17.1/B44 has different requirements.
A.3.5				A17.1/B44 has different requirements.
A.3.6				A17.1/B44 has additional requirements
No equivalent requirement	Prevention of water accumulation	6.1.3.15		A17.1/B44 has additional requirements.
A.6	Electric power supply	6.1.7.4.1 6.2.7.4.1		A17.1/B44 has additional requirements
D.6	Functional and safety test of E/E/PE			A17.1/B44 has different requirements. Electrical equipment requirements are defined in A.17.5.
Annex G	Safety signs for the user of escalator and moving walks	6.1.6.9 6.1.6.9.1 6.1.6.9.2 6.1.6.9.3		A17.1/B44 has additional requirements.

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments
Annex I	Requirements on escalator and moving walks intended to transport shopping trolleys and baggage carts	6.1.6.9.1 6.2.6.9.2		A17.1/B44 has additional requirements.
I.2	Moving walks	6.2.6.9.2		A17.1/B44 has additional requirements.
Annex J	Determination of anti-slip properties of the tread surface of steps and pallets, of comb plates and floor plates		6.1.3.5.1 c 6.2.3.5.5 c	A17.1/B44 has different requirements.
K.2	Testing and assessing sliding properties		6.1.3.3.9	A17.1/B44 has different requirements.
Annex L	Major modification		8.7.6 8.7.6.1 8.7.6.1.1 8.7.6.1.2 8.7.6.1.3 8.7.6.1.4 8.7.6.1.5 8.7.6.1.6 8.7.6.1.7 8.7.6.1.8 8.7.6.1.9 8.7.6.1.10 8.7.6.1.11 8.7.6.1.12 8.7.6.1.13 8.7.6.1.14 8.7.6.1.15 8.7.6.1.16 8.7.6.1.17 8.7.6.1.18 8.7.6.2 8.7.6.2.1 8.7.6.2.2	A17.1/B44 has different requirements..

Table 1 (continued)

Column 1	Column 2	Column 3	Column 4	Column 5	
ISO 8103-1 Clause #	Subject	A17.1/B44 Section or Requirement number to be used in addition to Column 1	A17.1/B44 Section or Requirement number to be used in place of Column 1	Comments	
			8.7.6.2.3 8.7.6.2.4 8.7.6.2.5 8.7.6.2.6 8.7.6.2.7 8.7.6.2. 8.7.6.2.9 8.7.6.2.10 8.7.6.2.11 8.7.6.2.12 8.7.6.2. 8.7.6.2.14 8.7.6.2.15 8.7.6.2.16 8.7.6.2.17 8.7.7 8.7.7.1 8.7.7.1.1 8.7.7.1.2 8.7.7.2 8.7.7.3 8.7.7.3.1 8.7.7.3.2 8.7.7.3.3 8.7.7.3.4		
M2	Structural requirements		8.5	A17.1/B44 has different requirements.	
M.5	Electrical installation and other equipment		8.5.4	A17.1/B44 has different requirements.	
Annex N			ASME Preface	A17.1/B44 has different requirements.	

Table 2 — Japanese Codes Requirements to be used in addition to or in place of requirements in ISO 8103-1

Column 1	Column 2	Column 3	Column 4	Column 5
ISO 8103-3 Clause #	Subject	Japanese Codes Section or Re- quirement number to be used in addition to Column 1	Japanese Codes Section or Re- quirement number to be used in place of Column 1	Comments
5.1	General		BSLJ Article 1, Article 2-3	Japanese codes have differing requirements.
5.2.2	Angle of inclination		BSLJ Article 129-12, 1.(2) MOC-N(No.1413-2000), 2.(1) MOC-N(No.1417-2000), 2	Japanese codes have differing requirements.
5.2.5	Structural design		BSLJ-EO Article 129-12, 3 MOC-N(No.1418-2000) JEAS-A1003 JEAS-1004B	Japanese codes have differing requirements.
5.3.2.1	General		BSLJ-EO Article 129-12, 1.(4) MOC-N(No.1413-2000), 2.(2)	Japanese codes have differing requirements.
5.3.2.2.2			MOC-N(No.1413-2000), 2.(1).(d)	Japanese codes have differing requirements.
5.3.3.1	General		MOC-N(No.1418-2000), 2.(2)(a), 2.(3) JEAS-A1003 JEAS-1004B JEAS-209, 3.3.1	Japanese codes have differing requirements.
5.3.4	Guiding of steps, pallets and belt		MOC-N(No.1417-2000), 1.(1) JIS A 4302:2006, 5.4.2	Japanese codes have differing requirements.
5.3.5	Clearance between steps or pallets		MOC-N(No.1417-2000), 1.(2) JIS A 4302:2006, h, k)	Japanese codes have differing requirements.
5.4.1.2.1			JIS A 4302:2006, 5.4.1. b)	Japanese codes have differing requirements.
5.4.1.2.3			MOC-N(No.1417-2000), 2.(1), 2.(2) MOC-N(No.1413-2000), 2.(3)(h)	Japanese codes have differing requirements.
5.4.1.3.2			MOC-N(No.1418-2000), 2.(3),(4)	Japanese codes have differing requirements.
5.4.1.4	Hand winding device	JEAS-209, 3.4.1		Japanese codes have additional requirements.
5.4.2.1.2	Electro-mechanical brake		BSLJ-EO Article 129-12, 5 JEAS-527, 3	Japanese codes have differing requirements.
5.4.2.1.3.1	Determination of the brake load for escalators			Japanese codes have differing requirements.
5.4.2.1.3.2	Stopping distances for the escalator		BSLJ-EO Article 129-12, 5 MOC-N(No.1424-2000), 1	Japanese codes have differing requirements.
5.4.2.1.3.4	Stopping distances for moving walks		BSLJ-EO Article 129-12, 5 MOC-N(No.1424-2000), 1	Japanese codes have differing requirements.
5.4.2.2.1			MOC-N(No.1424-2000), 1. (2) D.C.	Japanese codes have differing requirements.
5.4.3.1			BSLJ-EO Article 129-12, 2	Japanese codes have differing requirements.
5.4.3.2			MOC-N(No.1418-2000), 2(3),(4)	Japanese codes have differing requirements.
5.4.4.1			MOC-N(No.1418-2000), 2(3),(4)	Japanese codes have differing requirements.
5.5.2.2			MLIT-N(No.283-2008), 5.(7), 5.(2) JEAS-422, 3.1.3, 3.1.5, 3.2	Japanese codes have differing requirements.