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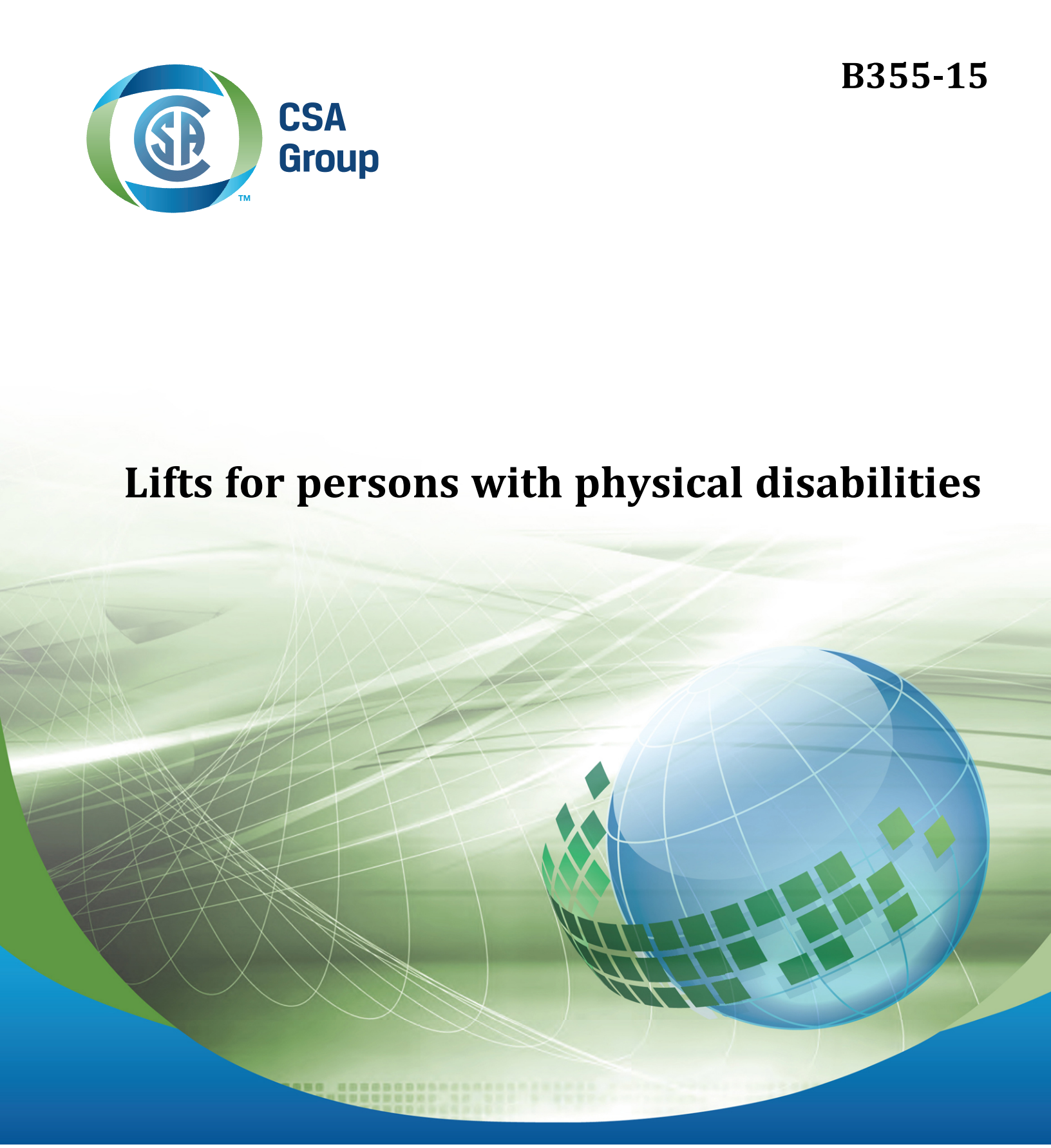
B355-15

Lifts for persons with physical disabilities



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Lifts for persons with physical disabilities

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Preface

This is the sixth edition of CSA B355, *Lifts for persons with physical disabilities*. It supersedes the previous editions published in 2009, 2000, 1994, 1986, and 1981. This edition incorporates the requirements previously contained in B613, *Private residences lifts for persons with physical disabilities*.

This edition also includes the following changes:

a) addition of requirements for emergency communications;
b) a revised definition of "travel";
c) clarification of requirements for manual moving;
d) revised requirements for tripping speed; and
e) addition of requirements for operation dependent on electric power supply.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Technical Committee on Lifts for Persons with Physical Disabilities under the jurisdiction of the Strategic Steering Committee on Mechanical Industrial Equipment Safety.

Notes:

1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*

2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*

3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as "substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity". It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*

4) *To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org and include "Request for interpretation" in the subject line:*

a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
b) *provide an explanation of circumstances surrounding the actual field condition; and*
c) *where possible, phrase the request in such a way that a specific "yes" or "no" answer will address the issue.*

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization *and are available on the Current Standards Activities page at* ***standardsactivities.csa.ca***.

5) *This Standard is subject to review five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line:*

a) *Standard designation (number);*
b) *relevant clause, table, and/or figure number;*
c) *wording of the proposed change; and*
d) *rationale for the change.*

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B355-15
Lifts for persons with physical disabilities

1 Scope

1.1
This Standard specifies minimum requirements for the design, construction, installation, and operation of lifts that are to be specifically used by persons with physical disabilities travelling between fixed points of a building or structure, including a private residence, with a view to safeguarding against risk of accidents associated with the operation of such equipment.

1.2
This Standard addresses requirements for
a) enclosed vertical platform lifts;
b) unenclosed vertical platform lifts;
c) stair chair lifts;
d) enclosed stair platform lifts; and
e) unenclosed stair platform lifts.

1.3
This Standard provides recommendations for the inspection, testing, and maintenance of lifts for persons with physical disabilities (see Clause 11 and Annexes A and B).

1.4
This Standard does not apply to elevating devices addressed by ASME A17.1/CSA B44.

1.5
This Standard does not address location of, access to, and usage of the lifts specified herein.
Note: *These factors might be regulated by the enforcing authority.*

1.6
The provisions of this Standard are not intended to prevent the use of systems, methods, or devices of equivalent or superior quality, strength, fire resistance, effectiveness, durability, and safety to those prescribed by this Standard, provided that there is technical documentation to demonstrate the equivalency of the system, method, or device.
Note: *Authorities having jurisdiction may permit modifications to this Standard provided that technical documentation or physical performance verification can assure the safety equivalence of such modifications to the corresponding requirements of this Standard.*

1.7
In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the standard.

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Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (nonmandatory) to define their application.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

CSA Group

ASME A17.1-2013/CSA B44-13
Safety Code for Elevators and Escalators

CSA B44.1-14/ASME A17.5-2014
Elevator and Escalator Electrical Equipment

C22.1-12
Canadian Electrical Code, Part I

W59-13
Welded steel construction (Metal arc welding)

W59.2-M1991 (R2013)
Welded aluminum construction

ASME (The American Society of Mechanical Engineers)

A17.6-2010
Standard for Elevator Suspension, Compensation, and Governor Systems

B1.20.1-2013
Pipe Threads, General Purpose, Inch

B1.20.3-1976 (R2013)
Dryseal Pipe Threads, Inch

ANSI/ASME B29.100-2011
Double-Pitch Roller Chains, Attachments, and Sprockets

B31.1-2012
Power Piping

ASTM International (American Society for Testing and Materials)

A53/A53M-12
Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless

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