

AS 7522:2021



Access and egress

RiSSB
RAIL INDUSTRY SAFETY AND STANDARDS BOARD

Rolling Stock Standard



This Australian Standard® AS 7522 Access and egress was prepared by a Rail Industry Safety and Standards Board (RISSB) Development Group consisting of representatives from the following organisations:

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The Standard was approved by the Development Group and the Rolling Stock Standing Committee in March, 2021. On March 23, 2021 the RISSB Board approved the Standard for release.

This standard was issued for public consultation.

Development of the Standard was undertaken in accordance with RISSB's accredited process. As part of the approval process, the Standing Committee verified that proper process was followed in developing the Standard.

RISSB wishes to acknowledge the positive contribution of subject matter experts in the development of this Standard. Their efforts ranged from membership of the Development Group through to individuals providing comment on a draft of the Standard during the open review.

I commend this Standard to the Australasian rail industry as it represents industry good practice and has been developed through a rigorous process.



Deb Spring
Exec. Chair / CEO
Rail Industry Safety and Standards Board

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Approval

Name	Date
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This Standard was prepared by the Rail Industry Safety and Standards Board (RISSB) Development Group AS 7522 Access and egress. Membership of this Development Group consisted of representatives from the organisations listed on the inside cover of this document.

Objective

This document describes requirements for access and egress of workers and passengers on locomotives, freight, passenger, and infrastructure maintenance (track machines) rolling stock.

The main purpose of the requirements is to provide safe, efficient, equitable and dignified access and egress, and to minimize risks to passengers and workers associated with access and egress, emergency evacuations, and requirements for people with disabilities.

This Standard's significant technical changes from the previous edition of the document include the following:

- a. Amalgamation of the previous 4-part Standard, consequently altering clause numbering and positioning of content.
- b. Removal of terms, definitions and abbreviations that are currently defined by the DSAPT.
- c. Removal of terms, definitions and abbreviations that are currently either:
 - i. defined by RISSB Glossary; or
 - ii. not in use within this Standard.
- d. Specific clause based normative references have been replaced with higher level references to minimize the impact to this Standard when future changes to documentation not controlled by RISSB occur.

Compliance

There are four types of provisions contained within Australian Standards developed by RISSB:

1. Requirements.
2. Recommendations.
3. Permissions.
4. Constraints.

Requirements – it is mandatory to follow all requirements to claim full compliance with the Standard.

Requirements are identified within the text by the term 'shall'.

Recommendations – do not mention or exclude other possibilities but do offer the one that is preferred.

Recommendations are identified within the text by the term 'should'.

Recommendations recognize that there could be limitations to the universal application of the control, i.e. the identified control is not able to be applied or other controls are more appropriate or better.

Permissions – conveys consent by providing an allowable option. Permissions are identified within the text by the term 'may'.

Constraints - provided by an external source such as legislation. Constraints are identified within the text by the term 'must'.

For compliance purposes, where a recommended control is not applied as written in the standard it could be incumbent on the adopter of the standard to demonstrate their actual method of controlling the risk as part of their WHS or Rail Safety National Law obligations. Similarly, it could also be incumbent on an adopter of the standard to demonstrate their method of controlling the risk to contracting entities, or interfacing organisations where the risk may be shared.

RISSB Standards address known hazards within the railway industry. Hazards, and clauses within this Standard that address those hazards, are listed in Appendix B.

This Standard includes a commentary on some of the clauses. The commentary directly follows the relevant clause, is designated by 'C' preceding the clause number and is printed in italics in a box. The commentary is for information and guidance, it does not form part of the requirements and recommendations of this Standard.

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1 Scope and general

1.1 Scope

This Standard covers access and egress by passengers and workers on access paths for passengers or access ways for workers and their access devices. This includes the design, construction and maintenance of locomotive, freight, passenger, and infrastructure maintenance rolling stock.

This Standard applies to existing, modified, and new locomotives, freight, passenger, and infrastructure maintenance rolling stock.

This Standard does not cover:

- (a) road-rail vehicles;
- (b) operation of rolling stock in regard to network safeworking rules and route standards;
- (c) maintenance and operational access to vehicle components by manholes, hatches, service openings, etc or for access to part of the human body.

This Standard is not specifically intended to cover rolling stock used on light rail, cane railway and monorail networks, but items from this Standard may be applied to such systems as deemed appropriate by the relevant railway infrastructure manager (RIM).

This Standard is intended to complement the Australian Government Disability Standards for Accessible Public Transport Guidelines (DSAPT) rather than interpret or supersede any requirements of the DSAPT. Compliance with the Standard does not indicate that requirements under the DSAPT have been met. When adopting this Standard, the user should be aware that the DSAPT could be altered without notice and therefore this Standard provides only high-level references to the DSAPT.

1.2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitute requirements of this document:

- AS 1428.1 Design for access and mobility - Part 1: General requirements for access - New building work.
- AS 1428.2 Design for access and mobility enhanced and additional requirement – Part 2: Buildings and facilities
- AS 1657 Fixed platforms, walkways, stairways and ladders - Design, construction and installation.
- AS 1735.2 Lifts, escalators and moving walks - Part 2: Passenger and goods lifts – Electric.
- AS 1735.12 Lifts, escalators and moving walks - Part 12: Facilities for persons with disabilities.