



Rolling Stock Outlines



Rolling Stock Standard



This Australian Standard® AS 7507 Rolling Stock Outlines was prepared by a Rail Industry Safety and Standards Board (RISSB) Development Group consisting of representatives from the following organisations:

Aurizon

Brookfield Rail

Progress Rail

Queensland Rail

Rio Tinto

Transport for NSW

UGL

The Standard was approved by the Development Group and the Rolling Stock Standing Committee in June 2017. On 22 June 2017, the RISSB Board approved the Standard for release.

This standard was issued for public consultation and was independently validated before being approved.

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.



Paul Daly
Chief Executive Officer
Rail Industry Safety and Standards Board

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1 Introduction

1.1 Purpose

This Standard describes requirements for determining whether rolling stock conforms to reference rolling stock outlines that are contained within this document.

The main purpose of the requirements is to maintain an acceptable clearance between rolling stock and fixed structures and between passing trains.

1.2 Scope

This Standard applies to new and modified rolling stock that is to operate on a network, also to existing rolling stock where it is proposed to operate it on a different network.

This Standard applies to passenger; locomotive; infrastructure maintenance and freight rolling stock.

The Standard applies to the design, construction and maintenance of rolling stock under all conditions of loading.

The scope of this Standard is to describe the permissible outlines of rolling stock relative to the centre of the track, and how conformance to those outlines is to be demonstrated.

Infrastructure related requirements for rail wear, track tolerances, structure outlines, etc. plus the magnitude of clearances between vehicles and structures, between passing vehicles, electrical clearances, etc. Are all treated in infrastructure standards.

Operation of rolling stock is not covered.

Rolling stock used on light rail, cane railway and monorail networks are not covered.

This Standard does not control the outline of any freight loads that are carried by rolling stock - refer to section 7.

Operation of infrastructure maintenance rolling stock is not covered.

1.3 Compliance

There are two types of control contained within RISSB Standards:

- (a) Mandatory requirements.
- (b) Recommended requirements.

Each of these types of control address hazards that are deemed to require controls on the basis of existing Australian and international Codes of Practice and Standards.

A **mandatory** requirement is a requirement that the standard provides as the only way of treating the hazard.

Mandatory requirements are identified within the text by the term shall.

A **recommended** requirement is one where the standard recognises that there are limitations to the universal application of the requirement and that there may be circumstances where the control cannot be applied or that other controls may be appropriate or satisfactory, subject to agreement with the Rolling Stock Operator, Rail Infrastructure Manager and/or Rail Safety Regulator.

Recommended clauses are mandatory unless the RIM or RSO can demonstrate a better method of controlling the risk.

Recommended requirements are identified within the text by the term should.