



## Interior Communications



Rolling Stock Standard



This Australian Standard® AS 7528 Interior Communications was prepared by a Rail Industry Safety and Standards Board (RISSB) Development Group consisting of representatives from the following organisations:

Bombardier  
RTBU

DPTI  
Queensland Rail

TfNSW

The Standard was approved by the Development Group and the Rolling Stock Standing Committee in January, 2019. On January 30, 2019 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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## AS 7528:2019

## Interior Communications

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### Document details

First published as: AS 7528:2019 Interior Communications  
ISBN 978-1-76072-364-4

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## Document control

### Document identification

Designation / Title
AS 7528:2019 Interior Communications

### Document history

Publication Version	Effective Date	Reason for and Extent of Change(s)
2019	January 30, 2019	First published

### Approval

Name	Date
Rail Industry Safety and Standards Board	30/01/2019

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## 1 Introduction

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### 1.1 Purpose

This Standard represents a national approach to defining the minimum functional and performance requirements for rolling stock interior communication systems to support the provision of statutory and key information and assistance to passengers.

### 1.2 Scope

Included in the scope of this Standard are on-train interior communications system installed on passenger rolling stock that facilitate the following fundamental use cases for audio, visual or audio and visual communications with an individual or group of passengers:

- (a) Obtain alighting assistance.
- (b) Obtain emergency assistance.
- (c) Obtain general service information.
- (d) Alert of imminent hazards.
- (e) Warn passengers of an emergency situation.

Included in the scope of this Standard are on-train interior communications system installed on passenger rolling stock that facilitate the use case of audio communications with on-train or on-ground personnel for train operations.

The use cases defined in this Standard involve the following actors:

- (a) Individual passenger.
- (b) Group of passengers.
- (c) On-train personnel (crew).
- (d) On-ground personnel.
- (e) On-train electronic systems.
- (f) On-ground electronic systems.

The use cases defined in this Standard support the rail transport operator (RTO) in the provision of statutory and key information and assistance to passengers; not discretionary information or assistance such as commercial advertising and infotainment.

Excluded from the scope of this Standard are:

- (a) use cases that require passengers to provide their own equipment, such as mobile phones, tablets and laptops;
- (b) on-train electronic systems associated with train management, control and operations, such as train radio, train control, CCTV surveillance and condition monitoring;
- (c) on-ground electronic systems;
- (d) train-to-ground radiocommunications systems. Refer to AS 7660; and
- (e) rolling stock that does not convey passengers, such as locomotives, freight vehicles, and infrastructure maintenance vehicles.