



Train Wheels

Engineering Standard

Rail Commissioner

RS1-DOC-000453

DOCUMENT AMENDMENT RECORD

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TABLE OF CONTENTS

1. Introduction..... 4

2. Purpose 4

3. Scope 4

4. References..... 4

5. Acronyms 4

6. Australian Standard for Wheels 4

7. DIT Addendum to Australian Standard..... 4

 7.1. Section 6..... 4

 7.2. Section 9..... 4

 7.3. Section 10 Clause 1..... 4

1. Introduction

The Department for Infrastructure and Transport (The Department) manages and operates the Adelaide Metropolitan Passenger Railway Network (AMPRN) under the Rail Accreditation assigned to The Rail Commissioner (RCom). Rail Safety National Law (RSNL) (South Australia) Act 2012 requires RCom to have a structured and disciplined approach to the management of the asset lifecycle. This standard is part of the engineering management system used to ensure safety and customer service levels are efficiently and effectively supported.

2. Purpose

The purpose of this standard is to provide technical requirements for the design, construction and maintenance of train wheels.

3. Scope

This standard applies to all train passenger rollingstock operating on the AMPRN

Note:

Railway rolling stock other than passenger rollingstock is required to comply with the relevant parts of AS/RISSB 7514 when operating on the AMPRN.

4. References

- *AS 7514:2018 / Amdt 1:2021 Railway Rolling stock - Wheels*
- *AM4-DOC-000372 Development and Approval of Rail Engineering Standards* (KNet # 7752944)

5. Acronyms

ACRONYM	FULL NAME
AMPRN	Adelaide Metropolitan Passenger Rail Network
DIT	Department of Infrastructure and Transport

6. Australian Standard for Wheels

- DIT adopts all mandatory requirements as specified in *AS 7514:2018 / Amdt 1:2021 Railway Rolling stock – Wheels* unless modified as shown in section 7.
- DIT adopts all recommended requirements as specified in *AS 7514:2018 / Amdt 1:2021 Railway Rolling stock - Wheels* as mandatory, unless modified as shown in section 7. If the applicable clause contains the word should, it is to be read as the word shall. This is to eliminate any doubt as to the requirements of the clause.

7. DIT Addendum to Australian Standard

DIT modifies the following requirements contained within *AS 7514:2018 / Amdt 1:2021*

7.1. Section 6

DIT mandates the requirement for Acoustical Assessment.

7.2. Section 9

A selection of wheel material shall be approved by DIT.

7.3. Section 10

If new wheels are shot peened then Clause 10, (a) and (b) are mandatory.