

# Technical Note - TN 053: 2016

Issued date: 12 July 2016

Effective date: 12 July 2016

**Subject: Update to road/rail vehicle standards numbering**

This technical note is issued by the Asset Standards Authority (ASA) to advise the change to the standard numbering for the road/rail vehicle standards.

The content of these standards remains unchanged. The change to numbering is to ensure alignment with the remaining sections of the *Minimum Operating Standards for Rolling Stock*.

The numbering of the road/rail vehicle standards and associated forms as an ASA standard shall be as shown in Table 1.

**Table 1 – Changes to the road/rail vehicle standards numbering**

Legacy RailCorp standard number	Title	ASA standard number
ESR 0002	Road/rail vehicle certification and recertification	T HR RS 30020 ST
ESR 0002 FM 001	Road/rail vehicle re-certification checklist	T HR RS 30020 F1
ESR 0002 FM 002	Road/rail vehicle pre-work inspection checklist	T HR RS 30020 F2
ESR 0002 FM 003	Approved compliance testing companies	T HR RS 30020 F3
ESR 0002 FM 004	Certification and re-certification of road/rail vehicles	T HR RS 30020 F4
ESR 0003	Trolley, trailer and quadricycle certification and recertification	T HR RS 30030 ST
ESR 0003 FM 001	Rail trailer, trolley and quadricycle re-certification checklist	T HR RS 30030 F1
ESR 0003 FM 002	Road/rail trailer re-certification checklist	T HR RS 30030 F2
ESR 0003 FM 003	Rail trailer, trolley and quadricycle pre-work inspection checklist	T HR RS 30030 F3
ESR 0003 FM 004	Road/rail trailer pre-work inspection checklist	T HR RS 30030 F4
ESR 0004	Engineering certification of road/rail vehicles, trolleys, trailers and quadricycles	T HR RS 30040 ST
ESR 0004 FM 001	Engineering certification – Category B engineering report form	T HR RS 30040 F1

<b>Legacy RailCorp standard number</b>	<b>Title</b>	<b>ASA standard number</b>
ESR 0004 FM 002	Engineering certification – Category C engineering report form	T HR RS 30040 F2
ESR 0004 FM 003	Engineering certification – Vehicle structural shear force and bending moment diagram	T HR RS 30040 F3

## Authorisation:

	<b>Technical content prepared by</b>	<b>Checked and approved by</b>	<b>Interdisciplinary coordination checked by</b>	<b>Authorised for release</b>
<b>Signature</b>				
<b>Date</b>				
<b>Name</b>	Jakub Zawada	Michael Uhlig	Andrea Parker	Graham Bradshaw
<b>Position</b>	Principal Engineer Rolling Stock Access Integrity	Lead Rolling Stock Engineer	Chief Engineer	Director Network Standards and Services

# RailCorp Engineering

## Road/Rail Vehicle Pre Work Inspection Checklist

Rail Industry Vehicle Registration No.		Label No.	
Inspection/Test Date	Location		
Vehicle Description			
Road Vehicle Rego	VIN/Serial No.		
Plant ID	Vehicle Owner		
Odometer/Hour Reading	Inspected By		

**Note:** The vehicle will not be permitted to operate if it fails any item.

**Pass**      **Fail**

Item No.	Before going on track, the following items: must be checked (where applicable)	✓	✗
1	Ensure tyres are correctly inflated		
2	Inspect for tyre tread and wall damage and for an uneven wear pattern		
3	Inspect road and rail wheel rims for security and signs of cracks or fatigue		
4	Check road and rail wheel studs and nuts for security or damage		
5	Inspect rail wheel profile for excessive wear or damage		
6	Inspect rail equipment safety locks, etc. for correct operation or damage		
7	Test head, tail, flashing, hazard lights, etc. for correct operation		
8	Test for presence and function of emergency hand pumps		
9	Ensure load is secured correctly and evenly, within gauge and GVM axle load limits		
10	Ensure electrical warning signs and reflective delineators are fitted		
11	Ensure fluid levels are at a proper level		

Operator Initials

Item No.	After the vehicle is placed on track, check the following items:	✓	✗
12	Inspect rail suspension unit flexitors for damage or misalignment		
13	Inspect anti derail frame for misalignment or damage		
14	Inspect the over centre locking mechanism for correct adjustment or damage		
15	Inspect the rail guidance equipment assembly for misalignment or structural damage		
16	Inspect all rail sweeps for correct position or damage		
17	Check rail guidance equipment hydraulics for correct function & damage		
18	Check electrical controls for correct function or damage		
19	Test warning devices, horns and sirens for correct operation		
20	Ensure foot, park and rail brake functionality		
21	Check for correct wheel/axle alignment for rail operation		

Operator Initials

Operational Defects Noted	Reported by	Date

**Worksite Supervisor/ Manager Endorsement (Current Rail Industry Registration Label MUST be displayed)**

Name (Print)	Signature	Date
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This form is covered by the RailCorp SMS system; refer to SMS-12-SR-1363 Engineering Standards.