

# Network Safeworking Rules and Procedures

## Signs

Rule Number: 6007

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#### Document History

Version	Effective Date	Pages updated	Reasons for change
2.01	03 02 2020	10	New sign added for Level Crossing ahead

## Table of Contents

1.	Purpose.....	3
2.	General .....	3
2.1	Appearance.....	3
2.2	Size .....	3
2.3	Orientation.....	4
2.4	Colour .....	4
3.	Permanent Speed Restriction Signs .....	5
4.	Temporary Speed Restriction Signs.....	7
5.	Permanent Signs.....	9
6.	Track Work Signs.....	11
7.	Train Order Territory Signs.....	12
8.	References.....	13
9.	Effective Date.....	13

# 1. Purpose

The purpose of this rule is to detail how signs are to be used to convey information such as safety critical instructions, advice and areas of control.

## 2. General

Signs must:

- be placed where they can be clearly seen by the intended viewer; and
- as far as is practicable, be located on the left hand side *Adjacent* to, or directly over the *Track* to which they apply.



**NOTE:** Only in circumstances where it is not safe, or not practical, to place signs on the left hand side or above the lines to which they apply, may signs be placed on the right hand side.

### 2.1 Appearance

Signs on the *Network* must be:

- reflective; and
- clearly distinguishable.



**NOTE:** Signs may be provided with a border to improve visibility or to give additional information.

### 2.2 Size

A sign must be as large as practical to allow *Clear* sighting and interpretation by *Rail Traffic Crews Travelling at Normal Speed*.

## 2.3 Orientation

Signs must be oriented:

- horizontally wherever possible; or
- vertically, only if *Clearance* between *Tracks*, or between *Tracks* and structures, is limited.

## 2.4 Colour

The background colour of a sign indicates its purpose.

A sign with a background that is mainly:





- red, indicates STOP.
- yellow, conveys a WARNING.
- white and blue, conveys information or advice.







**NOTE:** Warning signs in the *Network* may have a black background with yellow writing.

### 3. Permanent Speed Restriction Signs

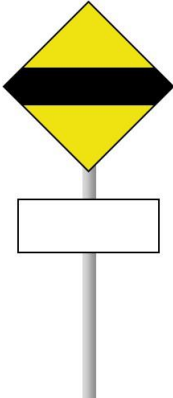
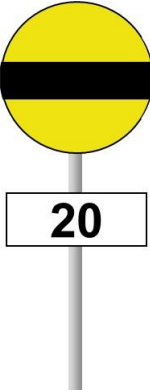
These signs are used where it is necessary for *Rail Traffic* to *Travel* at reduced speed because of *Track* geometry such as curves and gradients or when *Travelling* through an area of high signal congestion.

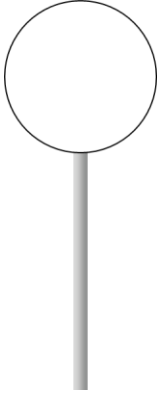
Sign	Name and Description	Required Action
	<p><b>Permanent Speed Restriction Warning sign</b></p> <p>This sign is placed 500 metres before the <i>Speed Restriction</i> sign.</p>	<p><i>Rail Traffic</i> should <i>Proceed</i>, being prepared to <i>Travel</i> at the speed shown on the <i>Speed Restriction</i> sign.</p>
	<p><b>Speed Restriction sign</b></p> <p>This sign is placed at the start of the <i>Speed Restricted</i> area.</p>	<p><i>Rail Traffic</i> must <i>Proceed</i> at the speed shown on the <i>Speed Restriction</i> sign.</p>
	<p><b>End of Speed Restriction sign</b></p> <p>This sign is placed at the end of the area covered by the <i>Speed Restriction</i>.</p>	<p><i>Rail Traffic</i> can return to the <i>Authorised Track</i> speed, once the last vehicle of the <i>Rail Traffic Consist</i>, has passed beyond the <i>End of Speed Restriction</i> sign.</p>
	<p><b>Turnout Speed Restriction sign.</b></p> <p>This sign is placed at <i>Facing</i> and <i>Trailing Points</i> to indicate the turnout speed for the reverse setting.</p>	<p><i>Rail Traffic</i> must <i>Proceed</i> at the speed shown on the turnout <i>Speed Restriction</i> Sign, until the <i>Rail Traffic</i> has completely cleared the area covered by the <i>Speed Restriction</i>.</p> <p>Where no sign is in place the maximum speed over the reverse setting is 30 kph.</p>

	<p><b>Level Crossing Speed Restriction sign.</b></p> <p>This sign is placed on the approach to the <i>Level Crossing</i> to indicate the approach speed.</p> <p>Used on a <i>Level Crossing</i> with restricted road user view to approaching <i>Rail Traffic</i>.</p>	<p><i>Rail Traffic</i> must Proceed at the speed shown on the <i>Speed Restriction Sign</i>, until the <i>Rail Traffic</i> has reached the <i>Level Crossing</i>.</p>
	<p><b>Self-Restoring Points (SRP) Speed Restriction sign.</b></p> <p>This sign is placed on the approach to <i>Self-Restoring Points (SRP)</i> in <i>Train Order Territory</i> to indicate the approach speed.</p>	<p><i>Rail Traffic</i> must Proceed at the speed shown on the <i>Speed Restriction Sign</i>, until the <i>Rail Traffic</i> has reached the <i>Points Track</i>.</p>
	<p><b>Speed Ramp sign.</b></p> <p>This sign is placed at the point where acceleration must commence to overcome severe gradients.</p>	<p><i>Rail Traffic</i> may need to increase to the speed shown on the <i>Speed Ramp Sign</i> in order to create enough momentum to travel up the severe gradient ahead, the speed increase applies only until the <i>Rail Traffic</i> has reached the <i>Speed Ramp Termination Sign</i>.</p>
	<p><b>Speed Ramp Termination sign.</b></p> <p>This sign is placed at the summit of the gradient.</p>	<p><i>Rail Traffic</i> must return to the <i>Authorised Track</i> speed, once the <i>Rail Traffic</i> has reached the <i>Speed Ramp Termination Sign</i>.</p>

## 4. Temporary Speed Restriction Signs

These signs are used where it is necessary for *Rail Traffic* to *Travel* at reduced speed because of *Track* maintenance work or for any other cause in accordance with Rule 3025 Temporary Speed Restrictions.



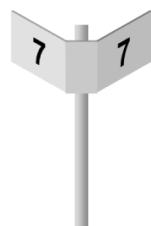


Sign	Name and Description	Required Action
	<p><b>Temporary Speed Restriction (TSR) Ahead sign.</b></p> <p>This sign is placed 2500 metres before the <i>Temporary Speed Restriction (TSR) Sign</i>.</p> <p>Placed below the <i>Temporary Speed Restriction (TSR) Ahead Sign</i> is a <i>Speed Restriction</i> sign displaying the maximum speed permitted for the restricted area.</p>	<p><i>Rail Traffic</i> should <i>Proceed</i>, being prepared to <i>Travel</i> at the speed indicated on the sign placed below the <i>Temporary Speed Restriction (TSR) Ahead Sign</i>.</p> <p><b>Note:</b> If no maximum speed is displayed below the <i>Temporary Speed Restriction (TSR) Ahead Sign</i>, <i>Rail Traffic</i> must be prepared to reduce speed to the speed detailed in the <i>Drivers Information Documentation</i>, or to 15km/h through the <i>TSR</i>.</p>
	<p><b>Temporary Speed Restriction (TSR) Start sign.</b></p> <p>This sign is placed 50 metres before the area covered by the <i>Temporary Speed Restriction (TSR)</i>.</p> <p>Placed below the <i>Temporary Speed Restriction (TSR) Sign</i> is a <i>Speed Restriction</i> sign displaying the maximum speed permitted for the restricted area.</p>	<p><i>Rail Traffic</i> must <i>Proceed</i> at the speed indicated on the sign placed below the <i>Temporary Speed Restriction (TSR) Start Sign</i>.</p> <p><b>Note:</b> If no maximum speed is displayed below the <i>Temporary Speed Restriction (TSR) Start Sign</i>, <i>Rail Traffic</i> must reduce speed, to the speed detailed in the <i>Drivers Information Documentation</i>, or to 15km/h through the <i>TSR</i>.</p>

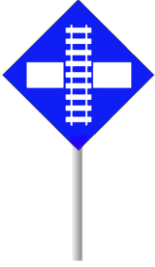




	<p><b>Temporary Speed Restriction (TSR) End sign.</b></p> <p>This sign is placed 50 metres beyond the <i>Temporary Speed Restriction (TSR)</i> area.</p> <p>Note:</p> <p>In <i>Bi-Directional</i> areas where the <i>TSR</i> applies in both directions, the back of the <i>TSR</i> start sign will indicate to <i>Rail Traffic</i> that they are leaving the limits of the <i>TSR</i>.</p>	<p><i>Rail Traffic</i> can return to the <i>Authorised Track</i> speed, once the <i>Rail Traffic Consist</i>, has passed beyond the End of <i>Speed Restriction</i> sign.</p>
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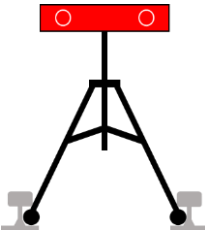

## 5. Permanent Signs

Permanent signs are placed in the *Network* to provide information and advice to *Competent Workers*.



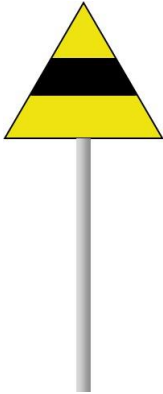
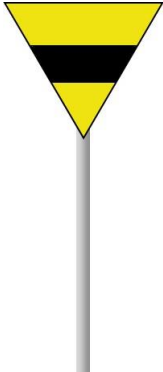
Sign	Name and Description	Required Action
	<p><b>Station Limits sign</b></p> <p><i>Station Limits</i> signs are used to define <i>Station Limits</i> where <i>Fixed Signals</i> are not provided.</p>	<p><i>Rail Traffic Crews</i> must not Proceed beyond the <i>Station Limits</i> sign until authorised by the <i>Network Controller</i>.</p>
	<p><b>Limit of Shunt sign</b></p> <p>Limit of <i>Shunt</i> Signs determine the end <i>Location</i> within <i>Station Limits</i> to which <i>Shunt</i> movements may Proceed.</p>	<p>All <i>Rail Traffic</i> movements beyond the <i>Limit of Shunt</i> sign must be <i>Authorised</i> with the <i>Issue</i> of an <i>Authority</i> for the <i>Section</i> ahead.</p>
	<p><b>Kilometre markers.</b></p> <p>This sign displays the distance from the start <i>Location</i> of the line or Junction.</p>	
	<p><b>Approach to a Controlled Location Sign.</b></p> <p>This sign is placed 1600 metres from the first <i>Controlled Absolute Signal</i> of a <i>Controlled Location</i> where an <i>Approach Signal</i> is not provided.</p>	<p><i>Rail Traffic</i> should Proceed, being prepared to reduce speed or Stop.</p>
	<p><b>Predictor sign.</b></p> <p>Selected <i>Level Crossings</i> are fitted with a Predictor to detect <i>Rail Traffic</i> approaching the crossing.</p>	<p><i>Rail Traffic</i> must not increase speed, above the speed they were doing at the time they passed the predictor sign, until the leading vehicle has passed over the <i>Level Crossing</i>.</p>

	<p><b>Conditional Level Crossing Ahead sign.</b></p> <p>This sign on or adjacent to a <i>Controlled Absolute Signal</i> where activation of the <i>Level Crossing Protection</i> is dependent on the signal being at <i>Proceed</i>.</p>	<p><i>Rail Traffic Crews</i> must treat this crossing as Potentially faulty, in accordance with <i>Rule 2015 Active Control Level Crossing Management</i> section 8, when <i>Authorised</i> to pass this <i>Controlled Absolute Signal</i> at STOP.</p>
	<p><b>“Z” Track indicator sign.</b></p> <p>“Z” Tracks are provided between a <i>Level Crossing</i> and a <i>Station</i> or <i>Stopping Place</i>.</p>	<p><i>Rail Traffic</i> must stand with the <i>Motive Power Unit</i> on the “Z” <i>Track</i> if stopping at the <i>Station</i>.</p>
	<p><b>Signal Location sign.</b></p> <p>This sign is placed 2500 metres from a <i>Departure Signal</i> where viewing distance and signal spacing to the <i>Departure Signal</i> is restricted.</p>	<p><i>Rail Traffic</i> should Proceed, exercising caution due to restricted viewing distance.</p>
	<p><b>Whistle sign.</b></p> <p>This sign is placed on the approach to <i>Level Crossings</i>.</p>	<p><i>Rail Traffic</i> must sound their <i>Motive Power Units Whistle</i> to warn of the <i>Rail Traffics</i> approach to <i>Level Crossings</i>.</p>
	<p><b>Level Crossing and Bridge Indicator signs.</b></p> <p>This sign displays the name of the <i>Level Crossing</i> or <i>bridge</i> the <i>Rail Traffic</i> is approaching</p>	<p><i>Rail Traffic</i> may use these as <i>Location</i> identifiers for reporting.</p>

## 6. Track Work Signs

Sign	Name and Description	Required Action
	<p><b>STOP sign.</b></p> <p>This sign is placed 500 metres before an <i>Obstruction</i> (work area) and used in conjunction with 3 <i>Railway Track Signals (RTS)</i> to provide <i>In-Field Protection</i>.</p>	<p><i>Rail Traffic</i> must Stop before reaching the STOP sign.</p> <p>Where <i>Rail Traffic</i> passes over a STOP sign the <i>Rail Traffic Crew</i> must STOP and act in accordance with Rule <u>6001 Overrun Limit of Authority</u></p>
	<p><b>Track Closed Warning Device.</b></p> <p>This device is placed on the departure side of a <i>Controlled Absolute Signal</i> or as required before an <i>Obstruction</i> (work area) to provide <i>In-Field Protection</i> in accordance with Procedure <u>9018 Using Track Closed Warning Devices and Rail Clamped Stop Sign.</u></p>	<p><i>Rail Traffic</i> must Stop before reaching the <i>Track Closed Warning Device</i>.</p> <p>Where <i>Rail Traffic</i> passes over a <i>Track Closed Warning Device</i> the <i>Rail Traffic Crew</i> must STOP and act in accordance with Rule <u>6001 Overrun Limit of Authority</u></p>
	<p><b>Rail Clamped STOP sign.</b></p> <p>This device is placed on the departure side of a <i>Controlled Absolute signal</i> or as required before an <i>Obstruction</i> to provide <i>In-Field Protection</i> in accordance with Procedure <u>9018 Using Track Closed Warning Devices and Rail Clamped Stop Sign.</u></p>	<p><i>Rail Traffic</i> must Stop before reaching the Rail Clamped STOP sign.</p> <p>Where <i>Rail Traffic</i> passes over a Rail Clamped STOP sign the <i>Rail Traffic Crew</i> must STOP and act in accordance with Rule <u>6001 Overrun Limit of Authority</u></p>

# 7. Train Order Territory Signs

Sign	Name and Description	Required Action
	<p><b>Commencement of <i>Train Order Territory</i> sign.</b></p> <p>This sign is placed at a point where <i>Train Order</i> working takes effect.</p>	<p>All rail workers are to work and operate under the Rules applicable to <i>Train Order Working</i></p>
	<p><b>End of <i>Train Order Territory</i> sign.</b></p> <p>This sign placed at the point where <i>Train Order</i> working ceases.</p>	<p>All rail workers are to work under the applicable Rules for the system of working that they are entering.</p>
	<p><b><i>Train Order Crossing Station Indicator</i> sign.</b></p> <p>This sign is placed not less than 500 metres before the <i>Station Limits</i> sign, and indicates to <i>Rail Traffic</i> they are approaching a <i>Crossing Station</i> in <i>Train Order Territory</i>.</p>	<p><i>Rail Traffic</i> should Proceed, being prepared to reduce speed or stop the <i>Rail Traffic</i> based on instructions detailed on an active <i>Train Order</i>.</p>
	<p><b><i>Train Order Non Crossing Station Indicator</i> sign.</b></p> <p>This sign is placed not less than 500 metres before the <i>Station Limits</i> sign, and indicates to <i>Rail Traffic</i> they are approaching a <i>Non-Crossing Station</i> in <i>Train Order Territory</i>.</p>	<p><i>Rail Traffic</i> should Proceed, being prepared to reduce speed or stop the <i>Rail Traffic</i> based on instructions detailed on an active <i>Train Order</i>.</p>

## 8. References

3025 Temporary Speed Restrictions.

9018 Using Track Closed Warning Devices and Rail Clamped Stop signs.

## 9. Effective Date

3 February 2020