



UGLRL – Siding Protection

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Presented by UGL REGIONAL LINX

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**LINKING
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**CONNECTING
CUSTOMERS.**

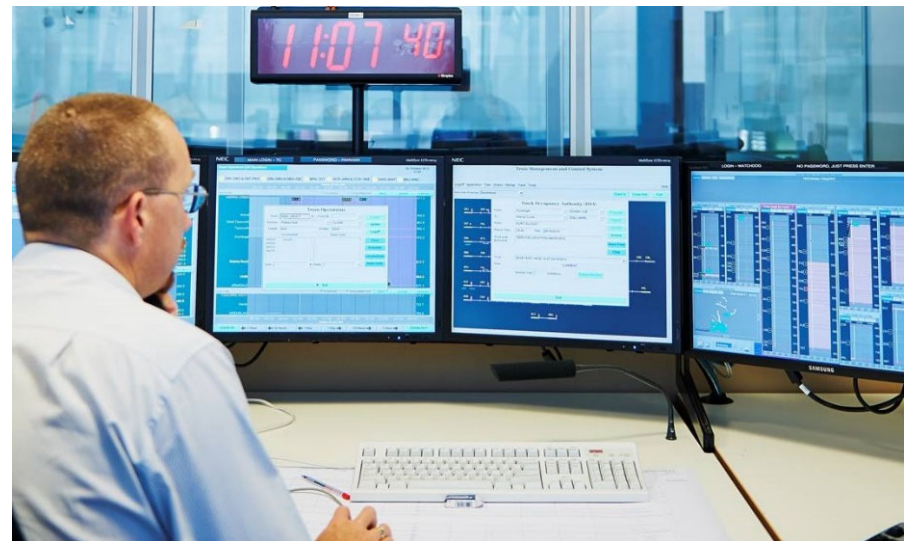
Agenda

CNWT 309 Siding Protection

- Background
- Siding Protection
- Network Rules and Procedures
- Next Steps

Background

- Network Rule - CNWT 300 Planning Work in the Rail Corridor:
 - Provides guidance for planning track work and assessing the work for safety
 - Provides guidance for working in Attended and Unattended locations, which is outdated
 - Does not specify the type of work that may be performed
 - Does not specify the minimum protection requirements





SIDING PROTECTION

Siding Protection



General

- Authorises exclusive occupancy of track between nominated locations for work on track activities on sidings
- This occupancy may include rail vehicles secured against movement
- Siding Protection must only be authorised by the Network Control Officer
- The Protection Officer and the Network Control Officer must apply protection for Siding Protection
- Siding Protection may be used by a single worker, in which case, that worker is also the Protection Officer
- The limits of Siding Protection must be defined as being between nominated locations such as siding clearance points, manual points or stop blocks
- Siding Protection may be used for any work activity.

Siding Protection



Minimum Mandatory Protection Arrangements

Siding Protection must employ at least two of the Protection Officer protection methods and one of the Network Control Officer protection methods to protect each limit of the work area.

Protection provided by the Protection Officer

- Points clipped and locked to prevent rail traffic access to the worksite
- Red flag/light placed in the four foot at the Siding Protection limits (only to be used with Points clipped and locked or Stop block or Derail device)
- An adjoining work on track authority that prevents unauthorised rail traffic access to the Siding Protection limits
- Red flag/light placed in the four foot and three Railway Track Signals placed at the Siding Protection limits
- Stop block placed on the line as advertised in SAFE Notice or Country Network Local Appendix
- Derail device as advertised in SAFE Notice or Country Network Local Appendix
- Hand signaller/s

Protection provided by the Network Control Officer

- Electric ground frame release blocked in normal position
- Signal block
- Points block
- Track block
- Note placed in the Network Control Officer Diary or on the Train Control Diagram

Siding Protection

Objectives of CNWT 309

- define mandatory minimum requirements for protecting worksites in sidings
- define the type of work that may be performed using Siding Protection
- instruct how the limits of Siding Protection are defined
- provide instruction for using, requesting, authorising, fulfilling and recording Siding Protection.

Siding Protection

Process - Requesting, Authorising and Protecting

- **Protection Officer must:**
 - complete planning and worksite protection documents
 - contact the NCO and advise the location, track, protection methods and finish time
 - clip and lock points where practicable
 - advise and make arrangements with rail traffic crews in the area
 - apply 2 forms of protection to protect each SP limit
- **Network Control Officer must:**
 - only authorise SP in their area of control
 - apply protection for the worksite
 - confirm the protection arrangements with the Protection Officer before work commences

Siding Protection

Process - Ending Siding Protection

- **Protection Officer must advise the NCO when:**
 - work is complete, equipment is clear, track is available for use and
 - Rail Traffic Crews have been advised.
- **Network Control Officer:**
 - confirm the ending of Siding Protection with the Protection Officer, and
 - remove blocks associated with the Siding Protection, and
 - record the ending of Siding Protection.

Siding Protection

Process

- In train order territory WOT authorities will be issued for “running lines” rather than “train order lines” with the exception of main and loop at crossing locations
- At crossing locations the portion of track between clearance points on the main will still be known as “main” and the portion of track between clearance points on the loop will still be known as “loop”
- At terminal locations such as Hillston/Boree Creek etc, the portion of track from the end train order sign to the stop block is the running line with any roads diverging from that being sidings.

Siding Protection



Ending Siding Protection

The Protection Officer must advise the Network Control Officer when:

- work is completed, and
- workers and their equipment are clear of the danger zone, and
- the track is available for use or has been booked out of use, and
- Protection Officer protection methods have been removed, and
- points that were secured are available for use, and
- Rail Traffic Crew of rail traffic in the area have been advised.

The Network Control Officer must:

- confirm the ending of Siding Protection with the Protection Officer, and
- remove blocks associated with the Siding Protection, and
- record the ending of Siding Protection.

Worksite Protection Plan and Briefing

Recording Siding Protection

Worksite Protection Plan and Briefing



My primary duty is to keep the worksite and workers safe & other work must not interfere with protection duties. The Safeworking System is: ☐ RVD ☐ TOW

Network Control Officer name: Network Control Officer Contact No:

LPA Location of worksite protection is at: Worksite limits are at:

PPO granted access at: hours We are jobsite number: in possession notes

TWA Worksite protection is at: The Handsignallers are located at (indicate signals or Km's or reduced distances):

Inner Up: Outer Up: Inner Down: Outer Down:

TOA section is authorised between: and:

The TOA number is: Location of Signals, Detonators or Points clipped and locked:

RCB section is authorised between: and:

The RCB number is: Additional Safety Measure (If within 500m of protecting limit)

Your safe place is: Method of Applying Blocks: ☐ ESM/L/EOL ☐ Network Control Officer

Lookout Working Your safe place is: The track speed is Calculated time in a safe place:

Sighting distance is: metres The lookout is (Name of lookout):

Note: The lookout is not to perform any work and is required to keep watch at all times

Siding Protection location of worksite is: NCO Protection Method:

Points clipped and locked to isolate work crew: Additional Protection Method:

Are you aware of rail traffic movements in your area? ☐ Yes ☐ No The adjacent line is: ☐ live ☐ dead Adjacent line protection is

Description of plant and equipment being used:

Will the works affect services e.g. traction return, signals, level crossings? If yes explain controls:

Check the track is clear of obstruction (people and equipment) and that all worksite protection devices have been removed prior to fulfilling protection.

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Ensure all relevant details are entered in to the Worksite Protection Plan (CNRF 014)
And recorded in your PO Diary

Protection Officer's Diary



1 Protection Officer name: Job number: Date:

2 Authority No.: Authority limits:

3 Worksite location:

4 Railway track signal and red flag defences: km and km

5 Network Control Board

NCO Name	Network Control Board	Normal Call	Priority Call	Emergency Call	Backup No.	Public Free call
	North West	02 4028 9501	02 4028 9521	02 4028 9541	02 4028 9671	1800 643 373
	South West	02 4028 9502	02 4028 9522	02 4028 9542	02 4028 9672	1800 021 914
	West	02 4028 9504	02 4028 9524	02 4028 9544	02 4028 9674	1800 427 198

6 Protection Officer handover: Time: Date:

Diary notes

Date	Time	Notes





Further Reading

Siding Protection

 one HSE CULTURE

Further reading

[CNWT 309 Siding Protection](#)

[CNPR 706 Using Siding Protection](#)

[CNPR 707 Clipping Points](#)

Siding Protection

Next Steps

Ensure you have a thorough understanding of this presentation, and all applicable rules and procedures.

You are now ready to complete the Assessment via the RIW eLearning portal



THANK YOU