

## Lookout Working Worksite Protection for Unanderra Yard Routine Network Maintenance Activities

<b>DOCUMENT NO.</b>	D2023/7911		
<b>WORK DESCRIPTION</b>	Routine Network Maintenance Activities		
<b>WPP Number</b>	SC28B 10079	<b>SAP Code</b>	
<b>SCOPE:</b>	<p>This SWI is applicable for the worksite protection arrangements using lookout working concerning routine network maintenance, defect management and repair of assets within the limits specified below and in the attached plan.</p> <p>Work activities include:</p> <ul style="list-style-type: none"> <li>Routine preventative and corrective work such as inspections and maintenance as appropriate for the type of protection being applied as part of this plan.</li> </ul>		
<b>AUTHORISATIONS:</b>	<p><b>Protection Officer:</b> Protection Officer Level 1 or higher  <b>Lookout:</b> Engineering Hand signaller Level 1 or higher or Protection Officer Level 1 or higher.</p>		
<b>SAFETY CONTROLS: Lookout working arrangements</b>	<p>The nominated worksite location for Lookout Working includes the <b>Up Illawarra, Down Illawarra, Goods Siding, South Coast Branch Line</b> between <b>WG 1017 U</b> and <b>WG 1024 Home</b></p> <p>The nominated worksite location for Lookout Working is a moving worksite, where workers are working along the track within the limits of the nominated worksite location up to the where the Lookout is established.</p> <p>As work moves along the track, the Protection Officer must assess the new location and:</p> <ul style="list-style-type: none"> <li>Establish and/or re-establish Lookouts as required to watch for approaching rail traffic from all entry points</li> <li>Designate and instruct which safe places the workers are to use as the work is completed along the work route within the worksite limits.</li> </ul>		
<b>PRESTART REQUIREMENTS:</b>	<p>Protection Officer assessment checklist must be completed before instructions in this SWI are followed.</p> <p>Tools and equipment required:</p> <ul style="list-style-type: none"> <li>Protection Officer requires a phone to contact the Signaller.</li> <li>Lookouts require a high-visibility arm sleeve and a whistle/horn.</li> </ul>		
<b>FURTHER INFORMATION:</b>	<p><i>NWT 300 Planning work in the Rail Corridor</i></p> <p><i>NWT 310 Lookout Working</i></p> <p><i>NPR 711 Using Lookouts</i></p> <p><i>NPR 751 Calculating Minimum Warning Time</i></p> <p><i>NPR 712 Protecting work from rail traffic on adjacent lines</i></p> <p><i>NGE 200 Walking in the Danger Zone</i></p> <p><i>Lookout Working Prohibited Locations Register</i></p> <p><i>NLA 418 Wollongong – Bomaderry (Nowra)</i></p>		

## Protection Officer assessment checklist

Protection Officer's name:		Yes (Tick if Yes)
This document is still current at the time of its application? (Up to 12 months from the document issue date)		
SWI details and protection arrangements have been reviewed and validated for the assessed worksite location, including: <ul style="list-style-type: none"> <li>On-site safety assessment has been completed for relevancy of works being undertaken</li> <li>The required protection details, environment and tasks are unchanged from the details of this SWI</li> </ul>		
The Protection Officer and Qualified Workers deploying qualifications are current and have practiced in the last 6 months. If not practiced, then a Rail Safety Coach must be contacted for guidance.		
Corridor Safety Number	Protection Officer Signature	Date

**Warning**

If an above item does not apply, the Protection Officer must not use this Safe Work Instruction. A new worksite protection plan must be completed in accordance with NRF 014 Worksite Protection Pre-work briefing and NRF 015 Worksite Protection Plan.

**Safe Work Instruction**

**Lookout Working Worksite Protection for Unanderra Yard Routine Network Maintenance Activities**



**Worksite Protection Pre-work Briefing**

Briefing date:  /  /

**Protection Officer Details**

name  signature  contact No.

Work location:

Scope of work:

Worksite protection:  Refer to Worksite Protection Plan for details

Hazards (e.g. Site specific hazards identified, including physical environment, human errors, plant and equipment)	Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level)	Person responsible for Control
<ul style="list-style-type: none"> <li><b>Struck by rail traffic</b></li> </ul>	Lookouts must be trained and competent to perform lookout duties. Lookouts must be rotated if performing lookout for extended periods of time Workers to remain within worksite limits as set out in this procedure. Lookouts must be placed as per protection plan on page 8. Workers are to stop work and move to a safe place immediately on being warned by the lookouts	Protection Officer & Lookout
<ul style="list-style-type: none"> <li><b>Live adjacent lines</b></li> </ul>	Lookouts must provide warning to workers when rail traffic is approaching from the adjacent line in either direction.	Protection Officer & Lookout
<b>Two - way running / multiple entry points into worksite</b>	<b>One Lookout placed watching each direction before work starts. Lookouts are to warn workers of approaching rail traffic, including rail traffic entering or travelling within the worksite. Workers are to stop work and move to a safe place.</b>	<b>Protection Officer &amp; Lookout</b>
<b>Obstruction to Minimum Sighting Distance</b>	Lookouts must provide warning to the workers whenever their line of sight is obstructed by passing rail traffic. Workers must stop work and move to a safe place and reassess positioning and method	Protection Officer & Lookout
<b>Adjoining/Surrounding Worksites</b>	Lookouts must have two independent audible warning devices that can be heard by workers over any noise generated by adjoining/surrounding worksites. Lookouts are to provide warning if their line of sight is obstructed by adjoining/surrounding worksites.	Protection Officer & Lookout
<b>Access to / Egress from worksite</b>  <b>Slips, trips, falls and hazards carrying equipment</b>	Access and egress points must be agreed prior to entering the danger zone, consideration should be given to ease of access and safest possible entry and exit points.  Protection Officer will assess and instruct when it is safe for workers to use <i>NGE 200 Walking in the Danger Zone</i> to move to the worksite or safe place.	All





**Safe Work Instruction**

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**Worksite Protection Plan – Lookout Working**

**Signaller Details**

**Protection Officer Details**

Planned duration

Workplace Supervisor details:

Type of work:

**Worksite Location**

On the

between  and

**Worksite Assessment**

Has the Lookout Working Prohibited Locations Register been consulted? Yes

**Warning method**

**Minimum Warning Time Calculations**

Maximum track speed

Number of Lookouts used  Position of Lookouts  to

Number of additional Lookouts\* used  Position of Lookouts  to

2 sec	+	3 sec	+	10 sec	= Minimum Warning Time (MWT)	15 sec	100 km/h	417 metres
2 sec	+	3 sec	+	10 sec		15 sec	90 km/h	375 metres
2 sec	+	3 sec	+	10 sec		15 sec	50 km/h	209 metres
See Time (S)		Move Time (M)		Safe Time	(S+M+10 sec = MWT)	Track speed		Minimum Sighting Distance as calculated

**Note** - Lookouts are relocated to positions within these KMs as workers move along the worksite.

\* Add an additional 5 seconds of See Time if an additional Lookout is used

**Note** – Additional MWT calculations can be recorded in the Protection Officer's Diary.

**Where are the safe places identified for the Lookouts and the workers?**

Lookouts:

Workers:

Ensure the workers have been briefed about these work details Yes

Diagrams, notes, and detailed instructions are over the next pages. These are to be read and followed as part of this worksite protection plan for Lookout Working.

# Lookout Working Worksite Protection for Unanderra Yard Routine Network Maintenance Activities

**INSTRUCTIONS:**

1. Workers enter the rail corridor via **access gate I00 88.341 D** Protection Officer briefs workers about the worksite protection arrangements.
2. Protection Officer contacts Wollongong South Panel and tells the Signaller about the use of Lookout Working.
3. Establish Lookouts at designated locations.
4. Workers start work up to designated locations.
5. Workers move to safe place.
6. Re-establish Lookouts at next designated location.
7. Repeat steps 6-8 until work is complete.
8. Workers move to a safe place.
9. Recall lookouts.
10. Workers egress the worksite via **access gate I00 88.341 D**
11. Protection Officer contacts Wollongong South Panel to end Lookout Working.

**ADDITIONAL DETAILS**

Obstruction to Minimum Sighting Distance

Stabled rail traffic on any tracks and conditions on the day may obstruct minimum sighting distance. When this hazard is identified, workers must stop work and move to a safe place until the Protection Officer makes an assessment and relocates lookouts to achieve the required minimum sighting distance.

Work is only to be performed on sections of track highlighted on the Diagram. Under this RNMWPP work cannot be done on the

- Down Illawarra between the limits of the limits of the platform 1
- Up Illawarra between B Frame and C Frame

**LOOKOUTS**



**Image 1:** Wollongong Side of worksite facing Wollongong (Near WG 1017 U)



**Image 2:** Wollongong end of the worksite facing Dapto

Lookout Working Worksite Protection for Unanderra Yard Routine Network Maintenance Activities



Image 3: Lookouts view (Adjacent to B frame) Facing Wollongong



Image 4: Lookouts view (Adjacent to B frame) Facing Dapto



Image 5: Lookouts view Dapto end of the worksite facing Dapto



Image 6: Lookouts view Dapto end of the worksite facing Wollongong



Diagram



