

Safe Work Instruction

Lookout Working Worksite Protection for Sutherland to Kirrawee routine network maintenance activities



DOCUMENT NO.	D2020/22928
WORK DESCRIPTION	Routine network maintenance activities
WPP Number	CS3B 12982
SCOPE:	<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"> Routine preventative and corrective work such as inspections and maintenance as appropriate for the type of protection being applied as part of this plan.
AUTHORISATIONS:	<p>Protection Officer: Protection Officer Level 1 or higher</p> <p>Lookout: Engineering Hand signaller Level 1 or higher or Protection Officer Level 1 or higher.</p>
SAFETY CONTROLS: Lookout working arrangements	<p>The nominated worksite location for Lookout Working is a fixed worksite and includes the Up Cronulla between clear of 159 Points and SC 25.8 Signal</p> <p>The Protection Officer must:</p> <ul style="list-style-type: none"> Establish Lookouts as required to watch for approaching rail traffic from all entry points Designate and instruct which safe places the workers are to use as the work is completed along the work route within the worksite limits.
PRESTART REQUIREMENTS:	<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"> Protection Officer requires a phone to contact the Signaller. Lookouts require a high-visibility arm sleeve and a whistle/ horn.
FURTHER INFORMATION:	<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>NLA 320 Broadmeadow - Newcastle Interchange</i></p> <p><i>Lookout Working Prohibited Locations Register</i></p> <p><i>NLA 408 Sutherland to Cronulla</i></p>

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Protection Officer assessment checklist

Protection Officer's name:		Yes (Tick if Yes)
This document has not expired 12 months beyond the issue date.		
SWI details and protection arrangements have been reviewed and validated for the assessed worksite location, including: <ul style="list-style-type: none">On-site safety assessment has been completed for relevancy of works being undertakenThe required protection details, environment and tasks are unchanged from the details of this SWI		
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 Sutherland to Kirrawee routine network maintenance activities****Worksite Protection Pre-work Briefing**Briefing date: / / **Protection Officer details** name signature contact No.Work location: **Sutherland to Kirrawee on the Up Cronulla Branch**Scope of work: **Routine network maintenance activities**Worksite protection: **Lookout Working** Refer to Worksite Protection Plan for details

Hazards (e.g. environment, plant, equipment, human error)	Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level)	Person responsible for Control
Approaching rail traffic	Lookout working implemented. Lookouts must be rotated if performing lookout for extended periods of time (no more than sixty minutes) 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 and Lookout
Live adjacent lines	Lookouts must provide warning to workers when rail traffic is approaching from the adjacent line in either direction.	Protection Officer and Lookout
Obstruction to Minimum Sighting Distance	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 and Lookout
Adjoining/Surrounding Worksites	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 and Lookout
Access to / Egress from worksite	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.	All
Slips, trips, falls and hazards carrying equipment	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
Mobile phone	Mobile phones use is not permitted in the danger zone unless being used by maintenance staff for critical maintenance communications or recording of defects.	All

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A final site inspection has been conducted immediately before commencing work, and any new hazards and controls have been included.

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name	Sutherland Panel	02 8568 3454
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Protection Officer Details

name	signature	contact No.
RSW or RIW No.	designation	Planned duration

Workplace Supervisor details: Type of work: **Worksite location**

on the	Up Cronulla Branch	
between	Clear of 159 Points	and SC 25.8 Signal

Worksite assessmentThe Lookout Working Prohibited Locations Register been consulted Yes ☐**Warning method**

Horn	Whistle	Voice
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Minimum Warning Time CalculationsMaximum track speed Number of Lookouts used Position of Lookouts and Number of additional Lookouts* used Position of Lookouts and

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

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

7 sec	+	3 sec	+	10 sec		20 sec	75 km/h	417 metres
7 sec	+	3 sec	+	10 sec		20 sec	55 km/h	306 metres
sec	+	sec	+	10 sec		sec	km/h	metres
sec	+	sec	+	10 sec		sec	km/h	metres
See Time (S)		Move Time (M)		Safe Time	(S+M+10 sec = MWT)		Track speed	Minimum Sighting Distance as calculated

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.

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INSTRUCTIONS:

1. Workers access the rail corridor via Old Princess Highway or an alternative designated entry gate.
2. The Protection Officer conducts a safety briefing, outlining the worksite protection arrangements.
3. The Protection Officer contacts the **Sutherland Panel** to inform the Signaller about the commencement of Lookout Working.
4. Lookouts are established at designated locations.
5. Workers commence work up to the specified locations.
6. Upon completion of each work segment, workers move to a safe place.
7. Lookouts are re-established at the next designated location.
8. Steps 6 and 7 are repeated as necessary until all work is complete.
9. Upon completion of all tasks, workers return to a safe place.
10. All Lookouts are recalled.
11. Workers exit the worksite via Old Princess Highway or an alternative designated gate.
12. The Protection Officer contacts the **Sutherland Panel** to formally to end Lookout Working.

ADDITIONAL DETAILS

Lookout Working Prohibited Locations

Down Cronulla (Sutherland) between 24.969 kms to 25.568 kms-Lookout Working Prohibited – Insufficient sighting distance & no safe places can be assessed.

Trains Approaching on the Down Cronulla Line

When trains are approaching on the Down Cronulla line and Lookouts are positioned in the UP or the Down cess, the Lookouts **must** provide a clear warning to the workers if their sighting is obstructed. Workers must move to a designated safe place; work may only resume once the train has passed and required sighting distance is re-established.

Additional Lookout

An Additional Lookout must be used between the limits of this worksite, clear of 159 points and SC25.8 Signal

Position of Lookouts

Lookouts must be always positioned in a safe place; The additional lookout must always remain within sight and hearing of the primary lookout when in use as below.

LOOKOUTS

Image 1: Safe places along Up Cess, looking country around 25+100 kms



Image 2: Safe places Up Cess, looking country around 25+272 kms



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Image 3: Safe places Up Cess, looking country around 25+380 KMS



Image 4: Safe places Down Cess, looking country around 25+ 455 KMS

LOOKOUTS

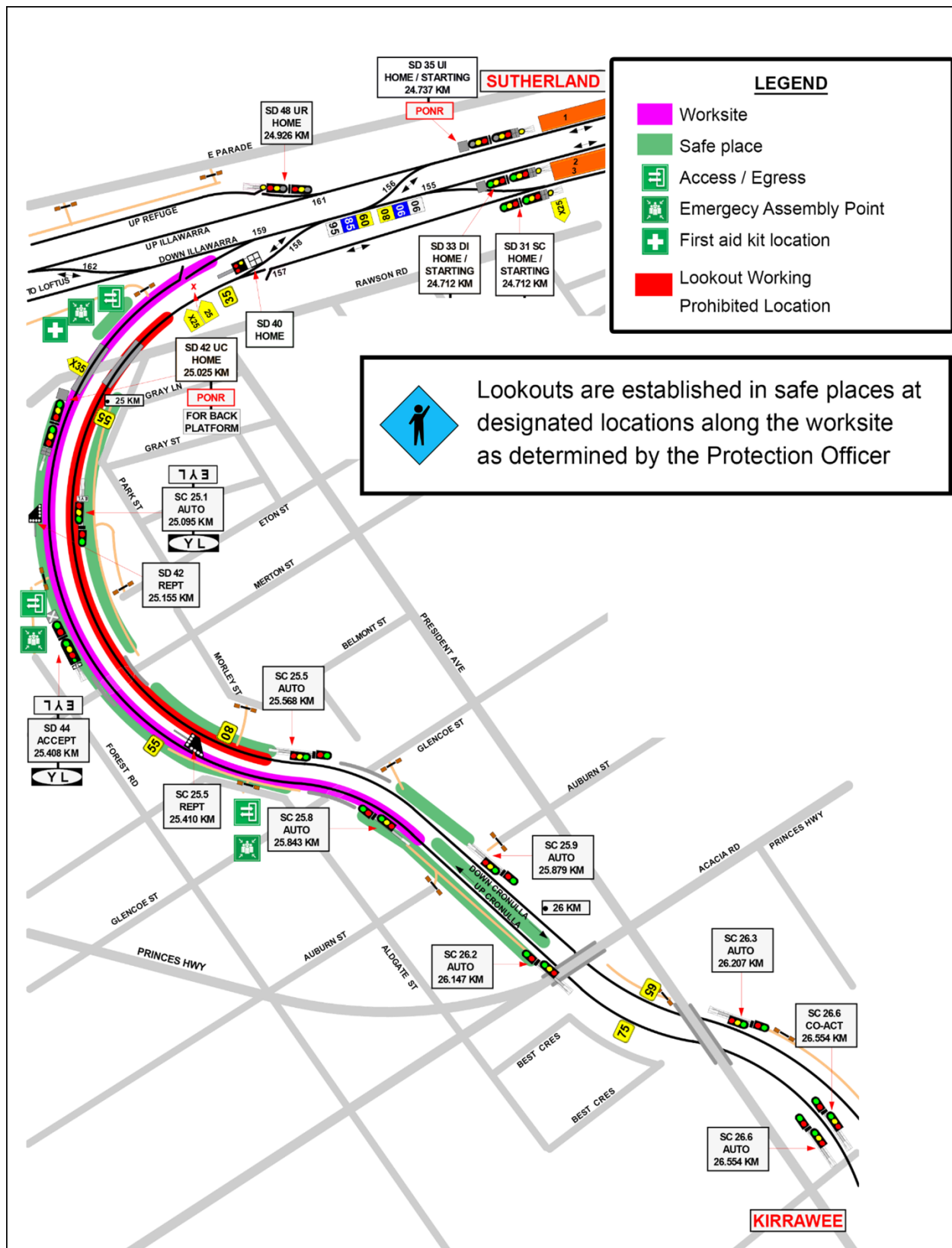


Image 5: Safe places Down Cess, looking country around 25+ 660 KMS

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Diagram



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