

DOCUMENT NO.	D2023/7919
WORK DESCRIPTION	Routine network maintenance activities
WPP Number	SC29B 11556
SCOPE:	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.
	Work activities include: • 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:	Protection Officer: Protection Officer Level 1 or higher Lookout: Engineering Hand signaller Level 1 or higher or Protection Officer Level 1 or higher.
SAFETY CONTROLS: Lookout working arrangements	The nominated worksite location for Lookout Working is a fixed worksite and includes the Down Illawarra, Up Illawarra, No. 1 Up Siding, No. 2 Up Siding, No. 3 Up Siding, No.1 Down Siding, Down Bay & Down Refuge Line between WG 475 D and WG 406 D Signal. 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. As work moves along the track, the Protection Officer must assess the new location and: • 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:	Protection Officer assessment checklist must be completed before instructions in this SWI are followed. Tools and equipment required: Protection Officer requires a phone to contact the Signaller. Lookouts require a high-visibility arm sleeve and a whistle/horn.
FURTHER INFORMATION:	NWT 300 Planning work in the Rail Corridor NWT 310 Lookout Working NPR 711 Using Lookouts NPR 751 Calculating Minimum Warning Time NPR 712 Protecting work from rail traffic on adjacent lines NGE 200 Walking in the Danger Zone NLA 418 Wollongong – Bomaderry (Nowra) Lookout Working Prohibited Locations Register

Lookout Working Worksite Protection for Wollongong Yard routine network maintenance activities



Protection Officer assessment checklist					
Protection Officer's name:			Yes (Tick if Yes)		
This document has not expired 12 months					
SWI details and protection arrangements location, including:					
 On-site safety assessment has been completed for relevancy of works being undertaken The 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.

Lookout Working Worksite Protection for Wollongong Yard routine network maintenance activities



Worksite Protection Pre-work Briefing

			Briefing date:	1 1
Protection Offic	er details			
	name	signature		contact No.
Work location:	Wollongong Yard			
Scope of work:	Routine Network Maintenance	Activities		
Markaita protoat	ion: Lookout Morking		Pofor to Worksita Prote	action Plan for details

Worksite protection: Lookout Working	Refer to Worksite Protect	ction 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
Approaching rail traffic	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 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
Two - way running / multiple entry points into worksite	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.	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 NGE 200 Walking in the Danger Zone to move to the worksite or safe place.	All

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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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10	utilie i	ICTMOLK III	annice activities						
Work	place S	upervisor detai	ils						
			name					conta	ct No.
Emei	gency as	ssembly point:	Access Gate	SWN	1S/SW	'I Ref #:			
First locati	aid kit on:	Sydney Train	ns work vehicle	First a	aider:				
Wor	kplace :	Supervisor ac	cknowledgement						
			ges that all identified WHS and rail safety h	nazards	have the	e Yes □		sign	ature
			ge and/or eliminate the hazards.			.00 🗖			
		acknowledge		tond on	u nart af	I this bristing			
			to question the Briefer if they don't unders	itanu an	y part or	this briefing.			
		d below acknowledg	e mai mey.	6.	hava ha	an briafad on the		of the Worksite Protection Plan	
1. 2.		inducted to the site om alcohol and drug	2	7.				otection Plan diagram	
3.		om the effects of fati		8.				worksite protection in place	
4.			t Rail Safety Worker Authorisation, trade	9.				hazards and controls identified di	ırina
٦.			l e.g. Construction Industry Induction	J .				spection must be conducted immediate	
5.	must wear	the appropriate Per	sonal Protective Equipment (PPE)		before co	ommencing work)			
Mark	each check b	box below with a tick 🗹	if the item applies or a cross 🗷 if the item does	not apply	<i>/</i> .				
		informed of the requ	uirements of the electrical permit (if		have be	een made aware	of any ha	zardous materials/substances on	site
	required)				have be	een briefed on Sa	fety Data	Sheets (SDS)	
	for the job	i briefed on the SWN	IS/SWIs/documented safe work practice		have been briefed on the WHS Management plan				
	have been SWMS/SV		ntrols recorded in this document and		have be	een briefed on the	hazards	of adjoining worksites/processes	
Nam			Signature		of brie	fing:		Amendment briefing:	
				hh:m	<u>m</u>			hh:mm and initial	
					· <u></u>				

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Lookout Working Worksite Protection for Wollongong Yard routine network maintenance activities



Worksite Protection Plan - Lookout Working

Signaller [)eta	ils									
			ľ	name	\	Nollongon	g Panel			02 4223 5538	
Protection	Off	icer Details									
			1	name			sigr	nature		COI	ntact No.
		RSW o	r RIV	V No.			design	nation	Planned	duration	
Workplace	Sup	ervisor deta	ils:								
Type of wo	rk:	Routine N	letwo	ork Mainte	nance Activ	vities					
Worksit	e lo	cation									_
on the	U	lp Illawarra	'	No. 1 Up Sid	ding No. 2	Up Siding	No. 3 Up S	Siding Per	way Sidir	g Up Bay	
between			٧	VG 475 D		and	d		WG 40	6 D	
on the		own Illawarra	a	No. 1 Do	own Siding	No. 2 Dow	n Siding	Down Bay		Goods Siding]
between			٧	VG 475 D		an	d		WG 40	6 D	
Worksite a		ssment ut Working P	rohib	ited Location	ons Registe	r been cons	ulted? Ye	es 🗆			
Warning n		-			_						
					Horn/Whistle	е	Tou	ch			
Minimum \	Narı	ning Time C	alcu	lations							
Maximum tra	ack s	peed		90 km/h							
Number of L	ooko	outs used		[2	Position of Lo	ookouts	82.550	km to	84.020 km	
Number of a	dditio	onal Lookouts	* used	d	1	Position of Lo	ookouts	84.100	km to	km	
Note - Lookou	ts are	e relocated to po	ositions	s within these	KMs as workers	s move along th	ne worksite.		<u></u>		
7 sec	+	3 sec	+	10 sec			20 sec	65	km/h	362 metres	
2 sec	+	3 sec	+	10 sec		n Warning me NT)	15 sec	90	km/h	375 metres	
2 sec	+	3 sec	+	10 sec	(,	15 sec	65	km/h	271 metres	
2 sec		8 sec		10 sec			20 sec	65	km/h	362 metres	
See Time (S)		Move Time (M)		Safe Time	(S+M+10 s	ec = MWT)	<u>, </u>	Track spee	ed	Minimum Sighting Distance as calculated	
Note – Additio	onal	MWT calculati	ions c	an be record	ded in the Pro	tection Office	r's Diary.				
Where are		safe places									
Lookouts:	U	Jp and Dov	vn C	ess, Driv	ers Walkw	ays or bel	nind stru	cture			
Workers:	U	Jp and Dov	vn C	ess, Driv	ers Walkw	ays or bel	nind stru	cture			
insure the	wor	kers have b	een l	briefed ab	out these w	ork 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 Wollongong Yard routine network maintenance activities



INSTRUCTIONS:

- 1. Workers enter the rail corridor via Access gate 100 82.554 U Denison St Wollongong
- 2. Protection Officer briefs workers about the worksite protection arrangements.
- 3. Protection Officer contacts Wollongong Panel and tells the Signaller about the use of Lookout Working.
- 4. Establish Lookouts at designated locations.
- 5. Workers start work up to designated locations.
- 6. Workers move to safe place.
- 7. Re-establish Lookouts at next designated location.
- 8. Repeat steps 6-8 until work is complete.
- 9. Workers move to a safe place.
- 10. Recall lookouts.
- 11. Workers egress the worksite via Access gate IOO 84.003 U Gladstone Ave Coniston
- 12. Protection Officer contacts Wollongong 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 can only be done on portions of track highlighted in the diagram.

No work can be done between Crown Street bridge and Platform 1 and Platform 2 at Wollongong Station under this Worksite Protection Plan.

No work can be done on the Down Bay within the limits of the platform.

LOOKOUTS

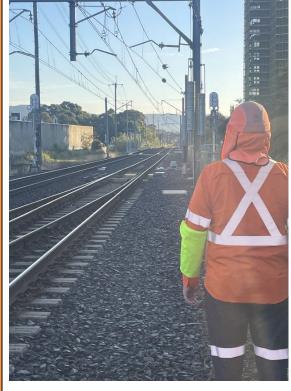


Image 1: Lookouts view – North Wollongong facing Towradgi

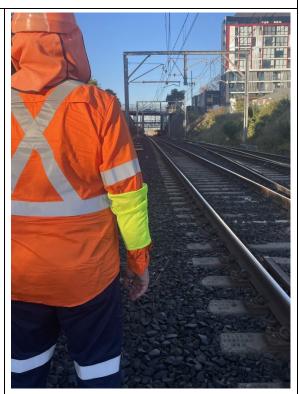


Image 2: Lookouts view - North Wollongong facing Unanderra





Image 3: Lookouts View – Platform 2 Wollongong Station facing
Towradgi



Image 4: Lookout View – Down yard facing Unanderra



Image 5: Lookouts View – Wollongong Down Yard facing
Towradgi



Image 6: Lookouts View – Wollongong Up Yard facing
Unanderra





Image 7: Lookouts view - Wollongong Up Yard facing Towradgi



Image 8: Additional Lookouts View – Coniston Platform 2



Image 9: Lookouts View- Primary & Additional Coniston Platform 2

Lookout Working Worksite Protection for Wollongong Yard routine network maintenance activities

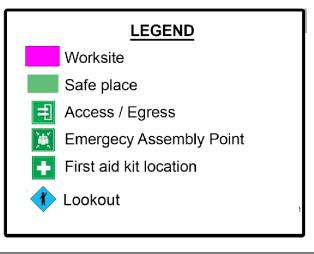


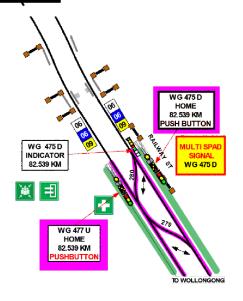


Tracks are Bidirectional / Two-way running Workers and Lookouts must be vigilant for rail traffic from both directions

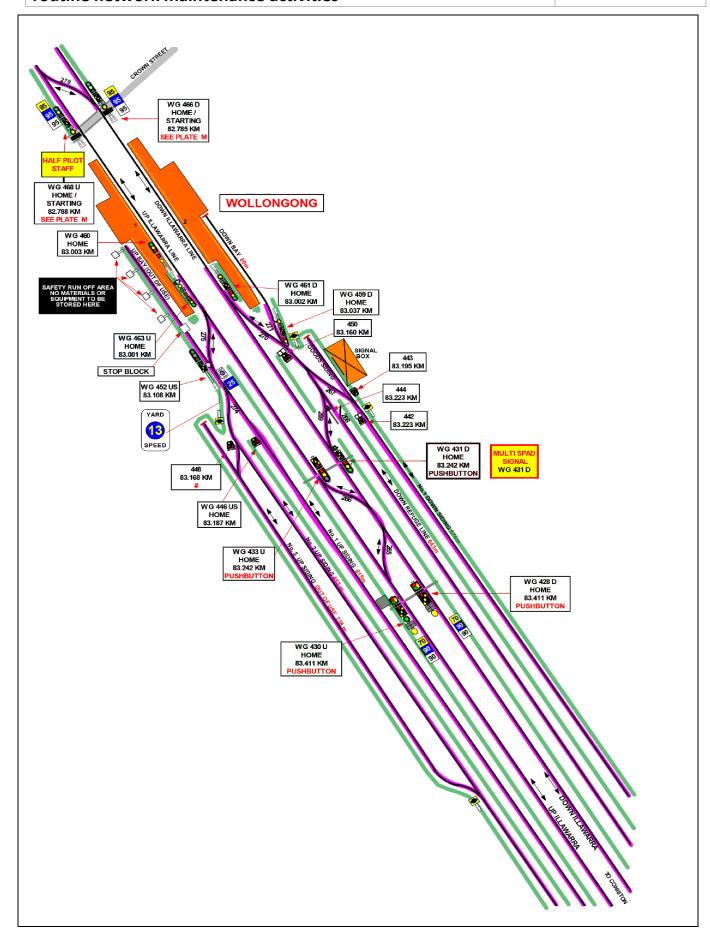


Lookouts are established in safe places at designated locations along the worksite as determined by the Protection Officer



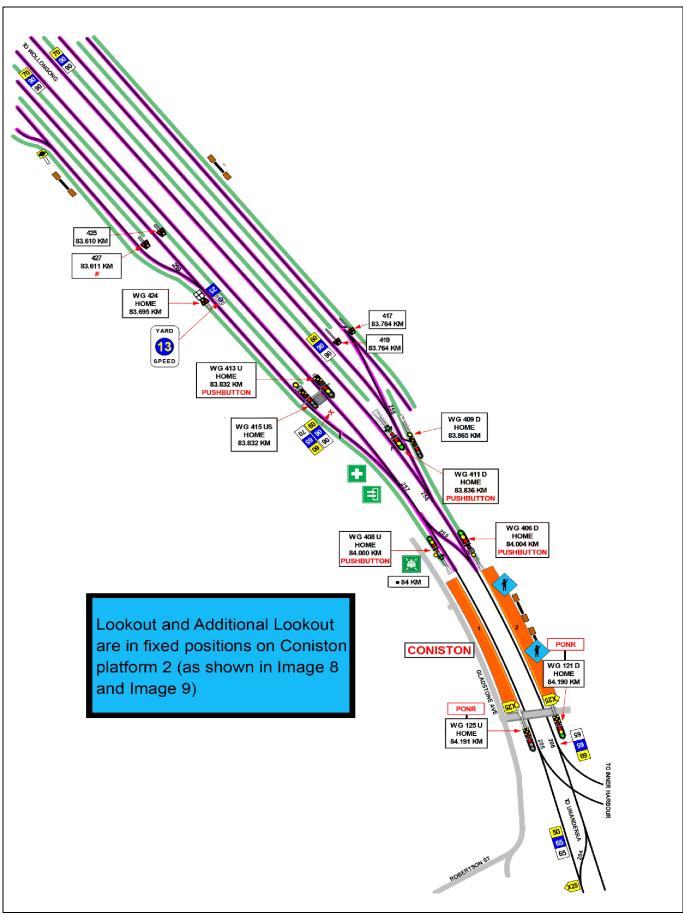






Lookout Working Worksite Protection for Wollongong Yard routine network maintenance activities





Protection Officer's diary



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Date	Time	Notes
 		
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