Safe Work Instruction

Lookout Working Worksite Protection for Lithgow Bravo Frame routine network maintenance activities



DOCUMENT NO.	D2022/4077
WORK DESCRIPTION	Routine network maintenance activities
WPP Number	WT4B 10178
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: Handsignaller Level 1 or higher, Protection Officer Level 1 or higher.
SAFETY CONTROLS – Lookout Working arrangements:	 The nominated worksite location for Lookout Working includes the Up Main West line & Down Main West line between 96.7 Signal to 97.0 Signal The Protection Officer must: Establish Lookouts as required to watch for approaching rail traffic from all entry points Establish a Lookout for each track work is being performed on to a maximum of two tracks being worked on at the same time 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 NGE 200 Walking in the Danger Zone NLA 218 Lithgow Lookout Working Prohibited Locations Register

Lookout Working Worksite Protection for Lithgow Bravo Frame routine network maintenance activities



Protection Officer assessment checklist						
Protection Officer's name:	Protection Officer's name:					
This document has not expired 12 months						
SWI details and protection arrangements location, including:	have been reviewed and validated for the a	assessed worksite				
 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.

Safe Work Instruction		Transat			
Lookout Working Worksite Protection for Lithgow Bravo Frame routine network maintenance activities Sydney Train					
Norksite Protection Pre-work Briefing					
	Briefing date:	/ /			
Protection Officer Details					
name	signature	contact No.			
Work location: Lithgow Bravo Frame					
Scope of work:					
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			
	Lookouts must be trained and competent to perform lookout duties.	Protection Officer &			
	Lookouts must be rotated if performing lookout for	Lookout			
Approaching rail traffic	extended periods of time Workers to remain within worksite limits as set out				
	in this procedure. Lookouts must be placed as per protection plan				
	Workers are to stop work and move to a safe place immediately on being warned by the lookouts				
Adjacent live lines	Lookouts must provide warning when rail traffic is approaching from the adjacent line in either direction.	Protection Officer & Lookout			
No safe place in platform limits	Workers must not enter the Danger Zone within the platform limits of Lithgow Station.	All			
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 & Lookout			
Obstruction to Minimum Sighting Distance	Lookouts must have two independent audible warning devices that can be heard by workers over any noise generated by adjoining/surrounding worksites.	Protection Officer & Lookout			
	Lookouts are to provide warning if their line of sight is obstructed by adjoining/surrounding worksites.				
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	Protection Officer & Lookout			
	sight is obstructed by adjoining/surrounding worksites.				
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</i> <i>Danger Zone</i> to move to the worksite or safe place.				

Safe Work Instruction		Transport
Lookout Working Worksite Protection for I	ithgow Bravo Frame routine network maintenance activities	Transport Sydney Train
Mobile phone distraction	Mobile phones use is not permitted in the dam zone unless being used by maintenance staff critical maintenance communications or record of defects.	for

Safe Wor	k Instruction						
Lookout Wo	Lookout Working Worksite Protection for Lithgow Bravo Frame routine network maintenance activities						
Workplace Su	pervisor detail	S				·	
			name			contact No.	
Emergency a	ssembly point:	Nearest access gate	SWMS/S	WI Ref #:			
First aid kit location:	Vehicle		First aider	:			
Workplace S	Supervisor acl	knowledgement					

Yes 🛛

The Workplace Supervisor acknowledges that all identified WHS and rail safety hazards have the appropriate controls in place to manage and/or eliminate the hazards.

Participant Acknowledgement

NOT	NOTE: Recipients of the briefing are to question the Briefer if they don't understand any part of this briefing.					
All v	All workers listed below acknowledge that they:					
1.			6. 7.	have been briefed on the contents	of the Worksite Protection Plan	
2.	2. are free from alcohol and drugs			have been shown the Worksite Pro	otection Plan diagram	
3.	are free from the effects of fatigu		8.	understand the kinds and limits of		
4.	licence and/or induction record e	Rail Safety Worker Authorisation, trade e.g. Construction Industry Induction	9.	the final site inspection (final site ins	hazards and controls identified during pection must be conducted immediately	
5.	must wear the appropriate Perso			before commencing work)		
Mark	each check box below with a tick $arDell$ if	f the item applies or a cross 🗵 if the item does r	ot app	ly.		
	have been informed of the requin required)	rements of the electrical permit (if		have been made aware of any haz	zardous materials/substances on site	
				have been briefed on Safety Data	Sheets (SDS)	
	have been briefed on the SWMS for the job	S/SWIs/documented safe work practice		have been briefed on the WHS Ma	anagement plan	
	have been instructed in the contr SWMS/SWIs	rols recorded in this document and		have been briefed on the hazards	of adjoining worksites/processes.	
Nan	10	Signature	Tim hh:n	e of briefing: nm	Amendment briefing: hh:mm and initial	

signature

Lookout Working Worksite Protection for Lithgow Bravo Frame routine network maintenance activities Sydney Train								
orksite Prote	ction Plan	– Le	ookout W	orking				
gnaller details								
		n	ame	Lithgow Y	ard Box Pane	əl	635495	
otection Office	r details							
		n	ame		signatur	contact N		
	RSW or	RIW	No.		designatio	n Planned du	uration	
Vorkplace Supe	rvisor detail	s:						
ype of work:								
Worksite loc	ation (tick th	e tracl	s that apply)					
On the				Up Main W	est line			
				Down Main	Nest Line			
between		00	.7 Signal	and		97.0 Sign		
Detween		30	.7 Signal			97.0 Sigi	ai	
i nimum Warn Iaximum track spe lumber of Lookou	eed		ulations 35 km/h	2 Position of Lo		155.515 km to	156.017 km	
	is used					135.313 KIII 10	130.017 KII	
lumber of addition	al Lookouts*	used		1 Position of Lo	okouts	155.515 km to	156.017 km	
l ote - Lookouts are r	elocated to pos	sitions	within these K	Ms as workers move along the	e worksite.			
2 sec +	3 sec	+	10 sec		15 sec	85 km/h	354 metres	
2 sec +	3 sec	+	10 sec	= Minimum Warning Time (MWT)	15 sec	75 km/h	312 metres	
	5 sec		10 sec	()	17 sec	75 km/h	354 metres	
2 sec		+	10 sec		15 sec	70 km/h	292 metres	
2 sec +	3 sec		1		⊢I			
	3 sec 5 sec	+	10 sec		22 sec	70 km/h	428 metres	
2 sec +		+ +	10 sec 10 sec		22 sec 15 sec	70 km/h 25 km/h	428 metres 104 metres	

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

Lookouts:	Up & Down Cess, wide 6 foot
Workers:	Up & Down Cess, wide 6 foot

Ensure the workers have been briefed about these work details

Yes 🗌

The following diagrams, notes and detailed instructions are to be read and followed as part of this worksite protection plan for Lookout Working.

 SWI Custodian: Maintenance Operation Manager West Territory
 OFFICIAL

 SWI Approver: Associate Director Network Operation
 UNCONTROLLED COPY WHEN PRINTED

Safe Work Ins	
Lookout Working	Worksite Protection for Lithgow Bravo Frame routine network maintenance activities
INSTRUCTIONS:	1. Protection Officer briefs workers about the worksite protection arrangements.
	 Protection Officer contacts Lithgow Yard Box Panel and tells the Signaller about the use of Lookout Working between 96.7 Signal to 97.0 Signal on Up & Down Main West Lines
	3. Workers enter rail corridor via gate W00 156.047 U , located on the Up side off Railway Parade .
	 Protection Officer places Lookouts watching for rail traffic approach in both directions at the designated locations.
	5. Workers start work up to where Lookouts are located or where they can't effectively warn workers.
	6. Workers move to a safe place.
	7. Repeat steps 4 – 6 until workers complete work from 97.0 Signal finishing at 96.7 Signal .
	8. Once work is complete, all workers move into a safe place.
	9. Protection Officer recalls Lookouts.
	10. Protection Officer contacts the Signaller at Lithgow Yard Box Panel to end Lookout Working
ADDITIONAL	Two-way running / multiple entry points
DETIALS	Lithgow Yard is a two-way running area. Rail traffic movements can occur in any direction.
	A Lookout is placed watching both directions and must provide warning for any rail traffic approach. Workers must
	move into a safe place when Lookouts provide a warning regardless of which line the rail traffic is approaching on. Obstruction to Lookout's Minimum Sighting Distance
	Lookout must provide warning to workers when Minimum Sighting Distance is impeded by rail traffic on adjacent
	lines. All workers must remain in a safe place until Lookout can re-establish Minimum Sighting Distance.
LOOKOUTS	Final Provide the transformed of tr
KEY LOCATIONS	
	Image 3: Access/egress gate W00 156.047 U and Emergency Assembly Point.

 SWI Custodian: Maintenance Operation Manager West Territory
 OFFICIAL

 SWI Approver: Associate Director Network Operation
 UNCONTROLLED COPY WHEN PRINTED

Safe Work Instruction Transport Lookout Working Worksite Protection for Lithgow Bravo Frame routine network maintenance activities Sydney Trains **INSTRUCTIONS:** Protection Officer briefs workers about the worksite protection arrangements. 1. 96.6 Signal 2 Protection Officer establishes Lookout and additional Lookout watching for rail traffic approach at the Maintenance designated locations on Lithgow Platform. (See below and diagram) Workers start work 3. 4. Workers move to a safe place. 5. Repeat steps 3 – 4 until workers complete work at 96.6 Signal 6. Once work is complete, all workers move into a safe place. Protection Officer recalls Lookouts. 7. **ADDITIONAL** Two-way running / multiple entry points DETAILS Lithgow Yard is a two-way running area. Rail traffic movements can occur in any direction. A Lookout is placed watching both directions and must provide warning for any rail traffic approach. Workers must move into a safe place when Lookouts provide a warning regardless of which line the rail traffic is approaching on. Obstruction to Lookout's Minimum Sighting Distance Lookout must provide warning to workers when Minimum Sighting Distance is impeded by rail traffic on adjacent lines and also by passengers on the platform. All workers must remain in a safe place until Lookout can re-establish Minimum Sighting Distance. No safe place within platform limits There is no easily accessible safe place for workers in the Danger Zone within Lithgow Station platform limits. Workers must not enter the Danger Zone within the platform limits. LOOKOUTS Image 1: View of Up direction Additional Lookout at 155.690 KM on Image 2: View of Up direction Lookout at 155.690 KM on Lithgow Lithgow platform. platform **KEY LOCATIONS**

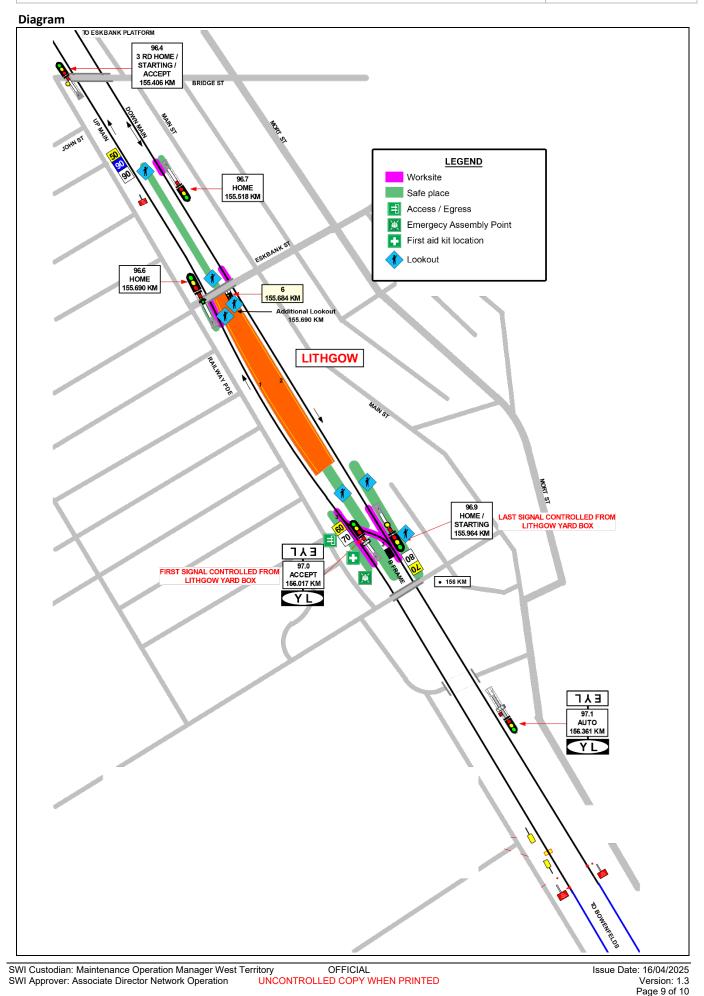
Image 3: Safe place for work at 96.6 Signal

Image 4: Work Location at 96.6 Signal

Safe Work Instruction

Lookout Working Worksite Protection for Lithgow Bravo Frame routine network maintenance activities





Prepared using SMS-06-TP-4317 v1.5, Custodian: Senior Safety Specialist Safety Systems; Approver: Director Safety and Standards; Issue date: 19/08/2021

Safe Work Instruction

Lookout Working Worksite Protection for Lithgow Bravo Frame routine network maintenance activities



Protection Officer's diary

TOLECTION	Officer's dia	
Date	Time	Notes
-		
-		
-		
-		
ļ		
ļ		
L	1	