

# Platform Renewal-Reinstate Platform Fittings

Issue date: 20/10/10  
Review date: 14/09/13

<b>SWMS number:</b> SMS-06-SW-0961	<b>SWMS Name:</b> Platform Renewal-Reinstate Platform Fittings			<b>SWMS Team:</b> Civil Construction Review Team
<b>Custodian (Position):</b> Services Manager Civil	<b>Assumptions:</b> Site specific risks are addressed and assessed in pre- work briefing			<b>Content reviewed by</b> <b>Technical expert (SME) and RailCorp safety professional</b> (position including Div/Group) Services Manager Civil and Safety facilitator, Safety Support Services Division.
<b>Approver (Position):</b> Civil Electrical Works Manager Infrastructure Renewals	<b>Plant/Equipment/Tools:</b> <ul style="list-style-type: none"> <li>• Crane, Lifting Equipment, Hand Truck, Trolley, Pallet Jack, Forklift, Backhoe</li> <li>• Hand Tools, Electric Power Tools</li> <li>• Ladder, Scaffolding</li> <li>• Signs, Demarcation Fencing, Markers</li> <li>• Fire Extinguisher</li> <li>• Pipe Glue, Sealants, Concrete</li> </ul>	<b>Records/Reporting:</b> <ul style="list-style-type: none"> <li>• Worksite Protection Plan</li> <li>• Pre-work Brief</li> <li>• Electrical Test Tags</li> <li>• Site Specific Management Plan</li> <li>• Hazardous Substance Register, MSDS</li> <li>• Daily Plant Checklist</li> <li>• Services searches</li> <li>• Electrical Permits</li> </ul>	<b>Permits/licences required:</b> <ul style="list-style-type: none"> <li>• Crane / Forklift / Backhoe Operator Certificate</li> <li>• Licenced Electrician</li> <li>• Electrical Permit Holder</li> </ul>	<b>PPE required:</b> <ul style="list-style-type: none"> <li>• Safety Boots</li> <li>• High Visibility Vests</li> <li>• Hardhats</li> <li>• Protective Clothing</li> <li>• Safety Glasses / Face Shield</li> </ul> And as specified below. <ul style="list-style-type: none"> <li>• Gloves</li> <li>• During all Site Works a FIRST AIDER MUST be Present</li> </ul>
<b>Applicable Standards, Codes of Practice and guidance:</b> <ul style="list-style-type: none"> <li>• OH&amp;S Act 2000</li> <li>• OH&amp;S Regulation 2001</li> <li>• SMS and Network Rules</li> <li>• Rail Safety Regulation 2003</li> <li>• RailCorp Safety Policy</li> <li>• RailCorp Network Rules &amp; Procedures</li> <li>• RailCorp Safety Management System.</li> <li>• MSDS for all chemicals and hazardous Substances used on site</li> <li>• Electrical Safety Instructions</li> <li>• SAA Wiring Rules</li> <li>• Working near Overhead Power Lines</li> <li>• EC14 – Guide to Electrical Workers Safety Equipment</li> <li>• National Code of Practice for Manual Handling [NOHSC:2005]</li> <li>• WorkCover NSW Plant Guide</li> <li>• AS 2550.5-2002 Cranes, hoists and winches - Safe use - Mobile cranes</li> </ul>	<b>Inspection requirements</b> Nil	<b>Service schedule:</b> Nil	<b>Training/Qualification required:</b> <ul style="list-style-type: none"> <li>• Construction Industry Induction</li> <li>• RISI (Rail Industry Safety Induction)</li> </ul> And as specified below. <ul style="list-style-type: none"> <li>• Authorised Electrical Person</li> </ul>	

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1	Reconnect Power On Light Posts (By electrician, or suitably Qualified person)	Electrocution	B+	Terminate utilities prior to removal. Licensed electrician.	C-	Licensed Electrician Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Electrical Equipment SMS-06-GD-0268
		Electric Shock	B+	All tools tested and tagged	C-	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Electrical Equipment SMS-06-GD-0268
		Fall From Ladder	B+	Stable ground, don't stand on top rung, correct size and type for task.	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Ladder /Step Ladders SMS-06-SW-0264
		Muscle Strain	B-	Correct manual handling. Rotate use of equipment on repetitive tasks.	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Manual Handling SMS-06-GD-0001
		Head Injuries	C-	Hard hats to be worn at all times implement exclusion zone for workers not involved in tasks	D	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Eye Injuries	C-	Eye protection to be worn at all times.	D	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
2	Reconnect Water (By Plumber, or suitably Qualified person)	Back Injury / Muscle Strain	B-	Correct lifting procedures. Use mechanical means to transfer heavy or bulky items.	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Manual Handling SMS-06-GD-0001
		Electric Shock	B+	All tools tested and tagged	C-	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Electrical Equipment SMS-06-GD-0268
		Use Of Hazardous Materials E.G.: Pipe Glue, Sealants, Concrete Etc.	B-	Refer to MSDS and/or manufacturers instructions before using. Avoid spills. Use PPE. Identification and separation of flammable materials. Use in ventilated areas.	C-	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 MSDS Hazardous Substances SMS-06-GD-0199

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3	Reconnect Other Platform Utilities  (By suitably Qualified persons)	Contact With Services	B+	Locate services prior to starting work. Service searches to be on site and signed off mark and/or isolate services as appropriate maintain regulated clearances on electrical services	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Excavation & Earthworks SMS-06-GD-0378 Services Search Checklist SMS-06-FM-0384
		Plant Roll-Over	B+	Ensure that outriggers or stabilisers in position prior to lifting	C-	Team Leader Work Group Leader All Staff Ticketed Operator	SSMP, Pre-Work Briefing SMS-06-FM-0163 Plant SMS-06-PR-0225
		Crushed Fingers	B+	Keep fingers clear	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Contact With Live O/H Wires	A	Keep clearances at all times. Be aware. Power out permit	C+	Qualified Permit Holder QEL29/MEI61 Team Leader Work Group Leader All Staff	Electrical Equipment SMS-06-GD-0268 Electrical Permits SMS-06-EN-0577
		Electric Shock	B+	All tools tested and tagged	C-	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Electrical Equipment SMS-06-GD-0268
		Back Injury / Muscle Strain	B-	Correct lifting procedures. Use mechanical means to transfer heavy or bulky items.	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Manual Handling SMS-06-GD-0001
		Exposure To Hazardous Substances	B-	Read MSDS and follow manufacturers / suppliers directions for PPE, first aid and storage of substances	C-	Team Leader Work Group Leader Ticketed Operator	Hazardous Substances SMS-06-GD-0199 AS4839 AS2030
		Head Injuries	C-	Hard hats to be worn at all times implement exclusion zone for workers not involved in tasks	D	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Eye Injuries	C-	Eye protection to be worn at all times.	D	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323

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4	Reinstatement Of Station Fittings	Contact With Services	B+	Locate services prior to starting work. Service searches to be on site and signed off mark and/or isolate services as appropriate maintain regulated clearances on electrical services	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Excavation & Earthworks SMS-06-GD-0378 Services Search Checklist SMS-06-FM-0384
		Head Injuries	C-	Hard hats to be worn at all times implement exclusion zone for workers not involved in tasks	D	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Eye Injuries	C-	Eye protection to be worn at all times.	D	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Crushed Fingers	B+	Keep fingers clear	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323
		Contact With Live O/H Wires	A	Maintain regulated clearances on wires at all times. Isolate power when in side Safe approach distance (SAD).	C+	Qualified Permit Holder QEL29/MEI61 Team Leader Work Group Leader All Staff	Electrical Equipment SMS-06-GD-0268 Electrical Permits SMS-06-EN-0577
		Electric Shock	B+	All tools tested and tagged	C-	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Electrical Equipment SMS-06-GD-0268
		Back Injury / Muscle Strain	B-	Correct lifting procedures. Use mechanical means to transfer heavy or bulky items.	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Manual Handling SMS-06-GD-0001
		Use Of Hazardous Materials E.G.: Pipe Glue, Sealants, Concrete Etc.	B-	Refer to MSDS and/or manufacturers instructions before using. Avoid spills. Use PPE. Identification and separation of flammable materials. Use in ventilated areas.	C-	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 MSDS Hazardous Substances SMS-06-GD-0199
5	Reinstate Fences	Contact With Services	B+	Locate services prior to starting work. Service searches to be on site and signed off mark and/or isolate services as appropriate maintain regulated clearances on electrical services	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Excavation & Earthworks SMS-06-GD-0378 Services Search Checklist SMS-06-FM-0384

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	Plant Roll-Over	B+	Ensure that outriggers or stabilisers in position prior to lifting	C-	Ticketed Operator Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Plant SMS-06-PR-0225	
	Head Injuries	C-	Hard hats to be worn at all times implement exclusion zone for workers not involved in tasks	D	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323	
	Eye Injuries	C-	Eye protection to be worn at all times.	D	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 PPE- SMS-06-GD-0323	
	Contact With Live O/H Wires	A	Maintain regulated clearances on wires at all times. Isolate power when in side Safe approach distance (SAD).	C+	Qualified Permit Holder QEL29/MEI61 Team Leader Work Group Leader All Staff	Electrical Equipment SMS-06-GD-0268 Electrical Permits SMS-06-EN-0577	
	Electric Shock	B+	All tools tested and tagged	C-	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Electrical Equipment SMS-06-GD-0268	
	Back Injury / Muscle Strain	B-	Correct lifting procedures. Use mechanical means to transfer heavy or bulky items.	C+	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 Manual Handling SMS-06-GD-0001	
	Use Of Hazardous Materials E.G.: Pipe Glue, Sealants, Concrete Etc.	B-	Refer to MSDS and/or manufacturers instructions before using. Avoid spills. Use PPE. Identification and separation of flammable materials. Use in ventilated areas.	C-	Team Leader Work Group Leader All Staff	SSMP, Pre-Work Briefing SMS-06-FM-0163 MSDS Hazardous Substances SMS-06-GD-0199	

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**NOTE: Each work group or team member must sign off on the SWMS to acknowledge they have been briefed about or instructed in the SWMS**

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RailCorp Level 2 Risk Matrix - Regional & Local (Workplace)		Likelihood/Frequency							Definition for Use - Regional & Local level (Workplace)  Used for workplace hazards and safety risks that do not consider the whole of the network. Indicatively this matrix is appropriate for use where the hazards under consideration are up to 10% of the total network exposure. This includes regional and local workplace risk assessments.  As an example, the Level 2 scale would be used when examining the risk of slips, trips and falls on specific RailCorp platforms within a region or at a particular station, or the risk of fire within a depot.  There are 3 options for descriptors which can be used to determine the frequency category. One set of descriptors is provided for frequency, one for historical likelihood, and one for predictive likelihood in the workplace. Choose the most appropriate.  To score the risk, follow the steps:  1. Identify the magnitude of the credible consequence if the risk were to occur. If applicable, risks should be considered in terms of the safety (this matrix), commercial and environmental impact (using other matrices).  2. Identify the likelihood of this level of consequence occurring. (This is done after considering the effectiveness of the current controls in place)  3. Score the risk using the combination of likelihood and consequence ranking.  Note: Where there are a range of credible consequences which may lead to a different level of risk and/or where the controls may be different. It may be useful to score the risk more than once.
		Event Frequency	Less than once every 1000 years	Once every 100 to 1,000 years	Once every 10 to 100 years	Once every 1 to 10 years	More than once per year up to and including 10 times per year	More than 10 times per year	
		Historical (Likelihood)	Unheard of in the rail industry	Has occurred once or twice in the rail industry	Has occurred many times in the rail industry, but not in NSW	Has occurred once or twice in NSW	Has occurred frequently in NSW	Has occurred frequently at specific locations	
Consequence		Workplace Predictive (Likelihood)	Not expected to occur	May occur only in exceptional circumstances	Could occur at some time but not likely	You would expect it to occur at least once in the next 10 years performing similar activities	You would expect it to occur at least once this year performing similar activities	You would expect it to occur at least once this month performing similar activities	
		F1	F2	F3	F4	F5	F6		
Consequence		Incredible	Improbable	Remote	Occasional	Probable	Frequent		
>10 Fatalities	C6	Disastrous	B-	B+	A	A	A	A	
2-10 Fatalities	C5	Catastrophic	C+	B-	B+	A	A	A <th data-kind="ghost"></th>	
1 Fatality (2-10 Major Injuries)	C4	Critical	C-	C+	B-	B+	A	A <th data-kind="ghost"></th>	
1 Major Injury	C3	Major	D	C-	C+	B-	B+	A <th data-kind="ghost"></th>	
1 or more Minor Injuries	C2	Minor	D	D	C-	C+	B-	B+ <th data-kind="ghost"></th>	
First aid treatment, or illness/injury not requiring treatment	C1	Negligible	D	D	D	C-	C+	B- <th data-kind="ghost"></th>	