






Safe Work Instruction	Issue date: 05/06/09
Road-Rail Vehicle - Safe Operation	Review date: 27/11/10

Document no.	Work description		
SMS-06-SW-1138	This SWI outlines the safe work practices for operating a Road-Rail Vehicle safely		
	Scope This SWI applies to all Road-Rail Vehicles use by RSD staff		
Review date	References		
27/11/10	<ul style="list-style-type: none"> NSW Act 2000 NSW OHS Regulation 2001, Part 5.4 Rail Safety Act 2008 Network Rules 2005, NWT 304 SMS-06-GD-0225 Plant SMS-06-PR-0173 Plant and Equipment Lock-out Tag-out SMS-05-SR-0027 Records Management SMS-16-FM-0716 Mobile Plant Pre-start-Daily Checklist SMS-16-FM-0715 Mobile Plant Periodic inspection SMS-06-SW-1109 Driving to remote sites 		
Responsible supervisor	PPE and precautions	Competencies or qualifications	Licences or permits required
Line Manager	<ul style="list-style-type: none"> Safety Footwear Hi visibility vest or clothing Hard Hat 	<ul style="list-style-type: none"> Competent in the use of this SWI RISI Operate according to the manufacturer's instructions Track Vehicle Operator Protection Officer Level 2 	Medium Rigid Vehicle Licence
Tools and equipment required			
IF CONTROL MEASURES ARE NOT SUITABLE AND MAJOR CHANGES ARE NEEDED, CONDUCT A RISK ASSESSMENT AND DEVELOP NEW CONTROLS ACCORDING TO SMS-06-PR-0104 WORKPLACE RISK MANAGEMENT .			
	Warning This warning applies throughout this SWI: <ul style="list-style-type: none"> If you identify damage or improper function at any time during the operation of the Road Rail Vehicle immediately stop work. Affix an "Out of Service" tag, in accordance with SMS-06-PR-0173 Plant and Equipment Lock-out Tag-out. Notify your Line Manager as soon as practicable Climbing onto the back of a vehicle under a live 1500V DC Overhead Wiring could lead to serious injury or death from an electric shock To prevent serious injury or death, never travel in the back tray of a road rail vehicle. "No seat no ride" 		
Periodic Inspections	Conduct weekly inspections using SMS-16-FM-0715 Mobile Plant Periodic Inspection . Each inspection is to be recorded in the relevant database (eg. Ellipse). Recurrence of the next inspection is to be scheduled and managed by Line Management In addition a 6 monthly High Rail Vehicle Compliance Check is to be carried out on all RailCorp High Rail vehicles, by an approved provider. A compliance sticker is affixed to the vehicle in the driver's door arch area on completion of each check		
Site / Job Planning	Ensure a Level 2 Protection Officer is at the site before operating the Road Rail Vehicle on rail tracks Before operating the road rail vehicle on track a Track Occupancy Authority needs to be issued to the Protection Officer for the agreed period of occupancy Follow all worksite procedures, eg. Induction, pre-work briefings and Network Rules Inspect the immediate environment to ensure it is safe for work e.g. inadequate lighting, loose materials and obstacles Select a level area of ground to put the vehicle on to the rail track		

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Pre-Operational Checks	<p>Conduct a pre-use inspection using <u>SMS-16-FM-0716 Mobile Plant Pre Start Daily Checklist</u>. The record of this inspection is to be provided to line management and retained in accordance with <u>SMS-05-SR-0027 Records Management</u></p> <p>Ensure Electrical Hazard Warning signs are in place at the back of the vehicle to warn of the live 1500V DC Overhead Wiring</p>	
	<p>Warning</p> <ul style="list-style-type: none">Any mechanical parts found to be worn or damaged during any inspection are to be fitted with an “Out of Service” tag, in accordance with <u>SMS-06-PR-0173 Plant and Equipment Lock-out Tag-out</u>. Such tagged gear is not to be re-used until certified as fit for use by an approved providerNever operate a Road Rail Vehicle outside the compliance check date affixed to the vehicle as this could result in a serious incident or injury	
Positioning Road-Rail Vehicle on Track	<p>Place vehicle on track and visually inspect that it is in correct position</p> <p>Remove rail wheel set locking devices (pin and hook)</p> <p>Move hook clear and secure into position with pin</p> <p>Move clear and lower wheel set from stowage position</p> <p>Ensure wheel set locks into place</p>	
	<p>Warning</p> <ul style="list-style-type: none">Wheel sets are positioned using hydraulic rams. Failure to keep hands, feet and other body parts clear when lowering or raising could result in serious injury	
Safe Operation of Road Rail Vehicle	<p>Ensure that there are no unusual noises, crabbing or alignment problems, by carrying a short test drive</p> <p>Ensure that stopping distances are maintained when on track</p> <p>Ensure that the load is secure and evenly loaded within gauge</p> <p>Ensure the immediate area is clear of other personnel before using equipment</p> <p>Ensure that the Operation of the Road-Rail Vehicle is carried out in accordance with manufacturers instructions</p> <p>When operating on the track, to prevent an incident never exceed the vehicle’s rail speed limit or rail speed sign limits</p> <p>Never attempt to steer the vehicle when driving on the rail</p> <p>Check the position of all points before traversing them</p> <p>Never allow anyone to climb onto the back of the vehicle when under a live 1500V DC Overhead Wiring</p>	
	<p>Note</p> <p>When operating the Road Rail Vehicle, continuously monitor for unusual noises, wobbling or alignment issues</p>	
Removing Road-Rail Vehicle from Track	<p>Select a level area of ground to take the vehicle off of the rail track</p> <p>Move clear and raise wheel set into stowage position</p> <p>Secure the wheel set locking hook in place and secure with pin</p>	
	<p>Warning</p> <ul style="list-style-type: none">Wheel sets are positioned using hydraulic rams. Failure to keep hands, feet and other body parts clear when lowering or raising could result in serious injuryFailure to ensure wheel set is stowed and secured correctly could result in a serious road vehicle incident, if hydraulic creep occurs and the wheel set lowers unexpectedly	
Housekeeping	<p>Leave the vehicle in a safe, clean and tidy state</p> <p>Conduct a post work inspection for any damage that may have occurred during the vehicles use and report it to your Line Manager as soon as practicable</p>	
Additional controls		
<ul style="list-style-type: none">Other controls may be necessary, depending upon the work being carried out. Refer to relevant SWIsIf you identify additional hazards and / or controls relevant to this SWI, notify your Safety Facilitator or Line Manager as soon as practicable, so they can be noted and used to continuously improve this document		