

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - TECHNICIAN (POWER)				
Sector	Public Transport			
Track	Rail Engineering			
Sub-Track	Power			
Occupation	Rail Technician			
Job Role	Technician (Power)			
Job Role Description	<p>The Technician (Power) works in a team to perform preventive and corrective maintenance of rail power systems. He/She assists in pre-maintenance activities including preparation of tools and equipment, and carry out workplace safety measures as required. He also assists in fault analysis and testing of power equipment and general housekeeping tasks. He may be assigned to supervise the work of contractors and external stakeholders in ensuring adherence to safety requirements and operating standards.</p> <p>He is required to work in shifts and carries out his duties at various rail premises such as power plants, train tracks and train tunnels. He has acquired the required competencies in handling low power electrical systems work and is a good team player in supporting the team in meeting their maintenance objectives.</p>			
Critical Work Functions and Key Tasks	Critical Work Functions	Maintain power systems	Key Tasks	
			Perform preventive maintenance of low voltage (LV) power systems	
			Perform corrective maintenance of LV power systems	
			Perform fault analysis and testing of LV power systems	
			Assist in preventive maintenance of high voltage (HV) power systems	
			Assist in corrective maintenance of HV power systems	
	Support maintenance activities and operational requirements	Assist in conducting fault analysis and testing of HV power systems		
		Supervise the work of contractors and stakeholders external to the power team to ensure safety requirements and operating standards are met		
		Ensure proper housekeeping of spare parts, equipment and tools		
		Document inspection and maintenance activities		
			Comply with Workplace Safety and Health (WSH) policies, procedures and regulations when carrying out work	
			Comply with the Rapid Transit System (RTS) Codes of Practice	
Skills & Competencies	Technical Skills & Competencies		Generic Skills & Competencies (Top 5)	
	Condition-based Assets Monitoring Management	Level 1	Teamwork	Basic
	Data and Statistical Analytics	Level 1	Communication	Basic
	Equipment Maintenance and Housekeeping	Level 1	Interpersonal Skills	Basic
	High Voltage Power Systems Maintenance	Level 1, Level 2	Problem Solving	Basic
	Low Voltage Power Systems Maintenance	Level 1, Level 2	Lifelong Learning	Basic
	Rail Regulatory Compliance	Level 1		
	Report Writing	Level 1		
	Vendor Management	Level 1		
	Work at Heights	Level 1		
	Workplace Facilities Safety Management	Level 2		
	Workplace Safety and Health for Confined Spaces	Level 1		
	Workplace Safety and Health for Electrical Safety	Level 1		
	Workplace Safety and Health for Fire Prevention and Fire Fighting	Level 1		
	Workplace Safety and Health for Incident and Accident Investigation	Level 2		
Programme Listing	For a list of Training Programmes available for the Public Transport sector, please visit: www.skillsfuture.sg/skills-framework/public-transport			

The information contained in this document serves as a guide.