

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - SENIOR TECHNICIAN (POWER)				
Sector	Public Transport			
Track	Rail Engineering			
Sub-Track	Power			
Occupation	Rail Technician			
Job Role	Senior Technician (Power)			
Job Role Description	<p>The Senior Technician (Power) performs preventive and corrective maintenance of rail power systems. His/Her duties include identifying and rectifying rail power systems faults and restoring the rail power systems to operational conditions, providing technical guidance and on-the-job coaching to his team, as well as supervising the work of contractors and external stakeholders in ensuring compliance 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 is technically inclined and competent in maintaining various power systems. He is also able to provide technical guidance and on-the-job coaching to his team.</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		
	Manage people and team performance	Comply with the Rapid Transit System (RTS) Codes of Practice		
		Assist in allocating manpower for work activities		
		Contribute to workflow improvement, planning and scheduling activities		
		Perform on-the-job coaching		
Skills & Competencies	Technical Skills & Competencies		Generic Skills & Competencies (Top 5)	
	Condition-based Assets Monitoring Management	Level 2	Teamwork	Basic
	Data and Statistical Analytics	Level 2	Communication	Intermediate
	Equipment Maintenance and Housekeeping	Level 1	Interpersonal Skills	Intermediate
	High Voltage Power Systems Maintenance	Level 1, Level 2	Problem Solving	Basic
	Learning and Development	Level 2	Sense Making	Basic
	Low Voltage Power Systems Maintenance	Level 1, Level 2		
	Maintenance Scheduling	Level 3		
	Rail Regulatory Compliance	Level 2		
	Report Writing	Level 1		
	Vendor Management	Level 1		
	Work at Heights	Level 1		
	Workplace Facilities Safety Management	Level 2		
	Workplace Safety and Health Culture Development	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
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The information contained in this document serves as a guide.