

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - TECHNICIAN (ENGINEERING TRAIN)				
Sector	Public Transport			
Track	Rail Engineering			
Sub-Track	Engineering Train			
Occupation	Rail Technician			
Job Role	Technician (Engineering Train)			
Job Role Description	<p>The Technician (Engineering Train) works in a team to perform preventive and corrective maintenance on engineering trains. He/She assists in the conduct of fault analysis, testing and operations of engineering trains to improve the reliability of the trains. He also assists in the preparation of tools, equipment and checklist required for maintenance activities. He also supervises the work of contractors and external stakeholders in ensuring compliance to safety requirements and operating standards.</p> <p>He is required to work in rotating shifts and carries out his duties at various train depots and workshops. He is capable of communicating effectively within the team, able to multi-task and prioritise workload.</p>			
Critical Work Functions and Key Tasks	Critical Work Functions	Maintain engineering trains	Key Tasks	
			Perform preventive maintenance for engineering trains	
			Perform corrective maintenance for engineering trains	
	Operate engineering trains	Support deployment of engineering trains for maintenance work	Assist in conducting fault analysis and testing of engineering trains	
			Support maintenance activities and operational requirements	
	Support maintenance activities and operational requirements	Document inspection and maintenance activities	Supervise the work of contractors and stakeholders external to the engineering train team to ensure safety requirements and operating standards are met	
			Ensure proper housekeeping of spare parts, equipment and tools	
			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
	Engineering Train and Rolling Stock Operation	Level 3	Interpersonal Skills	Basic
	Equipment Maintenance and Housekeeping	Level 1	Problem Solving	Basic
	Heavy Crane Vehicle Maintenance	Level 1, Level 2	Lifelong Learning	Basic
	Heavy Lifting Machinery Operation	Level 1		
	Internet of Things Application	Level 2		
	Locomotive Maintenance	Level 1, Level 2		
	Multi-function Vehicle Maintenance	Level 1, Level 2		
	Rail Grinding Vehicle Maintenance	Level 1, Level 2		
	Rail Regulatory Compliance	Level 1		
	Report Writing	Level 1		
	Robotics and Automation Application	Level 2		
	Track Tamping Vehicle Maintenance	Level 1, Level 2		
	Vendor Management	Level 1		
	Wagon Maintenance	Level 1, Level 2		
	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.