

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - SENIOR TECHNICIAN (ENGINEERING TRAIN)				
Sector	Public Transport			
Track	Rail Engineering			
Sub-Track	Engineering Train			
Occupation	Rail Technician			
Job Role	Senior Technician (Engineering Train)			
Job Role Description	<p>The Senior Technician (Engineering Train) is responsible for the preventive and corrective maintenance activities, and supports the operations and deployment of engineering trains for maintenance work in the main line. His/Her duties include carrying out troubleshooting to perform fault analyses, repair and/or modifications of engineering train systems, components and on-board equipment, and perform routine vehicle inspections based on maintenance procedures and instructions. 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 possesses good communication skills and is able to work productively in a team to meet maintenance requirements.</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	Operate engineering trains to support maintenance work		
		Support the movements and deployment of engineering trains		
	Support maintenance activities and operational requirements	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		
		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		
	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	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	Sense Making	Basic
Heavy Lifting Machinery Operation		Level 1		
Internet of Things Application		Level 2		
Learning and Development		Level 2		
Locomotive Maintenance		Level 1, Level 2		
Maintenance Scheduling		Level 3		
Multi-function Vehicle Maintenance		Level 1, Level 2		
Rail Grinding Vehicle Maintenance		Level 1, Level 2		
Rail Regulatory Compliance		Level 2		
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 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		

The information contained in this document serves as a guide.