

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT				
SKILLS MAP - SENIOR ASSISTANT ENGINEER/ASSISTANT ENGINEER (ENGINEERING TRAIN)				
<b>Sector</b>	Public Transport			
<b>Track</b>	Rail Engineering			
<b>Sub-Track</b>	Engineering Train			
<b>Occupation</b>	Rail Engineer			
<b>Job Role</b>	<b>Senior Assistant Engineer/Assistant Engineer (Engineering Train)</b>			
<b>Job Role Description</b>	<p>The Senior Assistant Engineer/Assistant Engineer (Engineering Train) supervises his/her team in performing preventive and corrective maintenance work on engineering trains. He is adept in using various calibration and testing equipment for the maintenance of engineering trains and contributes to workflow improvements. He also manages the team's performance in achieving established Key Performance Indicators (KPIs).</p> <p>He is required to work in rotating shifts and carries out his duties at various train depots and workshops. He is meticulous and shows good leadership in ensuring that workplace safety measures are implemented and maintenance activities are conducted in a safe and orderly manner by the team.</p>			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	Maintain engineering trains	<b>Key Tasks</b>	
			Supervise the execution of engineering trains preventive maintenance work	
			Supervise the execution of engineering trains corrective maintenance work	
	Operate engineering trains	Perform complex fault analysis and testing of engineering trains	Operate engineering trains to support maintenance work	
		Manage movements and deployment of engineering trains		
	Support maintenance activities and operational requirements	Supervise and facilitate the work of contractors and stakeholders external to the engineering train team to ensure safety requirements, operating standards and quality standards are met	Track the quantity of supplies required for maintenance activities at work base	
		Validate inspection and maintenance documents		
		Ensure workplace adherence with Workplace Safety and Health (WSH) policies, procedures and regulations when carrying out work		
		Ensure workplace adherence with the Rapid Transit System (RTS) Codes of Practice		
	Support continuous improvement activities to enhance service reliability	Propose workflow improvements to enhance the reliability and efficiency of engineering trains	Carry out engineering improvement activities to enhance the reliability and efficiency of engineering trains	
		Manage people and team performance	Plan work activities and manpower allocation	
		Perform on-the-job coaching	Manage team's performance in achieving Key Performance Indicators (KPIs)	
	<b>Skills &amp; Competencies</b>	<b>Technical Skills &amp; Competencies</b>		<b>Generic Skills &amp; Competencies (Top 5)</b>
Asset Management		Level 3	Communication	Intermediate
Condition-based Assets Monitoring Management		Level 2	Leadership	Intermediate
Continuous Improvement Management		Level 3	Teamwork	Intermediate
Data and Statistical Analytics		Level 3	Problem Solving	Intermediate
Engineering Train and Rolling Stock Operation		Level 3	Interpersonal Skills	Basic
Equipment Maintenance and Housekeeping		Level 2		
Heavy Crane Vehicle Maintenance		Level 3		
Heavy Lifting Machinery Operation		Level 2		
Innovation Management		Level 3		
Internet of Things Application		Level 3		
Inventory Management		Level 3		
Locomotive Maintenance		Level 3		
Maintenance Scheduling		Level 3		
Manpower Planning and Deployment		Level 3		
Multi-Function Vehicle Maintenance		Level 3		
People Development		Level 3		

	Rail Grinding Vehicle Maintenance	Level 3	
	Rail Regulatory Compliance	Level 3	
	Report Writing	Level 2	
	Robotics and Automation Application	Level 3	
	Staff Performance Management	Level 3	
	Track Tamping Vehicle Maintenance	Level 3	
	Vendor Management	Level 2	
	Wagon Maintenance	Level 3	
	Workplace Facilities Safety Management	Level 3	
	Workplace Safety and Health Culture Development	Level 3	
	Workplace Safety and Health for Confined Spaces	Level 3	
	Workplace Safety and Health for Electrical Safety	Level 2	
	Workplace Safety and Health for Fire Prevention and Fire Fighting	Level 2	
	Workplace Safety and Health for Incident and Accident Investigation	Level 3	
<b>Programme Listing</b>	For a list of Training Programmes available for the Public Transport sector, please visit: <a href="http://www.skillsfuture.sg/skills-framework/public-transport">www.skillsfuture.sg/skills-framework/public-transport</a>		

The information contained in this document serves as a guide.