

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - SENIOR TECHNICIAN (MECHANICAL AND ELECTRICAL)				
<b>Sector</b>	Public Transport			
<b>Track</b>	Rail Engineering			
<b>Sub-Track</b>	Mechanical and Electrical			
<b>Occupation</b>	Rail Technician			
<b>Job Role</b>	Senior Technician (Mechanical and Electrical)			
<b>Job Role Description</b>	<p>The Senior Technician (Mechanical and Electrical) performs preventive and corrective maintenance of mechanical and electrical systems. He/She is technically inclined, knowledgeable and skilled in the maintenance of various mechanical and electrical systems His duties include troubleshooting faults, 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 workshops and at train stations. He is a team-player and is able to communicate effectively within the team to support maintenance activities.</p>			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	Maintain mechanical and electrical systems	<b>Key Tasks</b>	
			Perform preventive maintenance of mechanical and electrical systems	
			Perform corrective maintenance of mechanical and electrical systems	
	Support maintenance activities and operational requirements	Perform fault analysis and testing of mechanical and electrical systems		
		Supervise the work of contractors and stakeholders external to the mechanical and electrical 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		
	<b>Skills &amp; Competencies</b>	<b>Technical Skills &amp; Competencies</b>		<b>Generic Skills &amp; Competencies (Top 5)</b>
Condition-based Assets Monitoring Management		Level 2	Teamwork	Basic
Data and Statistical Analytics		Level 2	Communication	Basic
Drainage, Plumbing and Sanitary Systems Maintenance		Level 1, Level 2	Interpersonal Skills	Basic
Equipment Maintenance and Housekeeping		Level 1	Problem Solving	Basic
Escalator and Travellator Maintenance		Level 1, Level 2	Sense Making	Basic
Fire Protection Systems Maintenance		Level 1, Level 2		
Internet of Things Application		Level 2		
Learning and Development		Level 2		
Lift Systems Maintenance		Level 1, Level 2		
Maintenance Scheduling		Level 3		
Platform Screen Door Maintenance		Level 1, Level 2		
Rail Regulatory Compliance		Level 2		
Report Writing		Level 1		
Robotics and Automation Application		Level 2		
Station Air-Conditioning Systems Maintenance		Level 1, Level 2		
Track Access Management		Level 1		
Vendor Management		Level 1		
Ventilation System Maintenance		Level 1, Level 2		
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	
<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.