

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - ENGINEERING HEAD (ROLLING STOCK/ENGINEERING TRAIN)				
<b>Sector</b>	Public Transport			
<b>Track</b>	Rail Engineering			
<b>Sub-Track</b>	Rolling Stock/Engineering Train			
<b>Occupation</b>	Rail Engineer			
<b>Job Role</b>	<b>Engineering Head (Rolling Stock/Engineering Train)</b>			
<b>Job Role Description</b>	<p>The Engineering Head (Rolling Stock/Engineering Train) is a technical subject matter expert on passenger trains and engineering trains within the organisation. He/She represents the organisation when interfacing with internal and/or external stakeholders to implement enhancement strategies to improve rail reliability and maintainability. His duties also include translating and aligning established industry standards into department Key Performance Indicators (KPIs).</p> <p>He possesses a strong understanding of leading engineering practices, operational best practices, industry developments and regulatory requirements and he translates these into organisation practices and performance requirements. He possesses strong leadership skills, is able to foster a culture of continuous improvement and demonstrates excellent management skills to achieve the department's operational and functional objectives.</p>			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	Lead maintenance activities and operational requirements	<b>Key Tasks</b>	
			Drive departmental and/or organisational maintenance regimes and enhanced engineering standards	
			Drive strategies for failure management to expedite rolling stock and engineering train fault recovery procedures	
			Approve appointment of vendors based on allocated financial limits	
			Drive a culture of workplace safety	
	Drive continuous improvement activities to enhance service reliability		Cultivate awareness of the Rapid Transit System (RTS) Codes of Practice	
			Build a culture of continuous improvement focused on service reliability	
			Drive cross-disciplinary engineering studies to enhance maintenance and engineering standards	
	Manage people and organisational function		Drive collaboration with internal and external stakeholders in the adoption of new technologies to enhance maintenance processes	
			Formulate manpower planning strategy	
			Formulate strategies to equip staff with skills required by industry and/or engineering standards	
			Establish budget for the department	
	<b>Skills &amp; Competencies</b>	<b>Technical Skills &amp; Competencies</b>		<b>Generic Skills &amp; Competencies (Top 5)</b>
Asset Management		Level 6	Leadership	Advanced
Budgeting		Level 5	Resource Management	Advanced
Business Continuity Management		Level 6	Communication	Advanced
Change Management		Level 6	Interpersonal Skills	Advanced
Condition-based Assets Monitoring Management		Level 5	Problem Solving	Advanced
Continuous Improvement Management		Level 6		
Data and Statistical Analytics		Level 6		
Engineering Maintenance Management		Level 6		
Innovation Management		Level 6		
Internet of Things Application		Level 5		
Maintenance Scheduling		Level 5		
Manpower Planning and Deployment		Level 5		
Organisational Planning and Target Setting		Level 5		
People Development		Level 6		
Project Management		Level 6		
Rail Regulatory Compliance		Level 6		
Robotics and Automation Application		Level 5		
Staff Performance Management		Level 5		

	Stakeholder Management	Level 5	
	Strategy Planning	Level 6	
	Systems Engineering Thinking	Level 6	
	Technology Application	Level 4	
	Vendor Management	Level 5	
	Workplace Facilities Safety Management	Level 5	
	Workplace Safety and Health Culture Development	Level 6	
	Workplace Safety and Health for Incident and Accident Investigation	Level 5	
<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.