

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT				
SKILLS MAP - SENIOR ASSISTANT ENGINEER/ASSISTANT ENGINEER (ROLLING STOCK)				
<b>Sector</b>	Public Transport			
<b>Track</b>	Rail Engineering			
<b>Sub-Track</b>	Rolling Stock			
<b>Occupation</b>	Rail Engineer			
<b>Job Role</b>	<b>Senior Assistant Engineer/Assistant Engineer (Rolling Stock)</b>			
<b>Job Role Description</b>	<p>The Senior Assistant Engineer/Assistant Engineer (Rolling Stock) supervises his/her team in performing preventive and corrective maintenance work on passenger trains. His also proposes recommendations to workflow improvements and manages his/her team's performance in achieving established Key Performance Indicators (KPIs), as well as ensuring the safety and work quality of external contractors and/or stakeholders.</p> <p>He may be deployed at various rail premises such as workshops, depots and/or maintenance plants to carry out his duties, depending on his area of specialisation and expertise. He has strong engineering fundamentals in rolling stock, is meticulous in ensuring the team carries out the maintenance work in a safe and orderly manner and displays leadership skills.</p>			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	Maintain rolling stock	<b>Key Tasks</b>	
			Supervise the execution of rolling stock preventive maintenance work	
			Supervise the execution of rolling stock corrective maintenance work	
			Perform complex fault analysis and testing of rolling stock	
	Support maintenance activities and operational requirements	Perform shunting of rolling stock		
		Supervise and facilitate the work of contractors and stakeholders external to the rolling stock team to ensure safety requirements, operating standards and quality standards are met		
		Track quantity and support the requisition of maintenance supplies and expendables required 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		
	Support continuous improvement activities to enhance service reliability	Ensure workplace adherence with the Rapid Transit System (RTS) Codes of Practice		
		Propose workflow improvements to enhance the reliability and efficiency of rolling stock		
	Manage people and team performance	Carry out engineering improvement activities to enhance the reliability and efficiency of rolling stock		
		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	Intermediate
	Equipment Maintenance and Housekeeping	Level 2		
	Heavy Lifting Machinery Operation	Level 2		
	Innovation Management	Level 3		
	Internet of Things Application	Level 3		
	Inventory Management	Level 3		
	Maintenance Scheduling	Level 3		
	Manpower Planning and Deployment	Level 3		
	People Development	Level 3		
	Rail Regulatory Compliance	Level 3		
	Report Writing	Level 2		
	Robotics and Automation Application	Level 3		
	Rolling Stock Air Condition and Ventilation Systems Maintenance	Level 3		

	Rolling Stock Auxiliary Systems Maintenance	Level 3
	Rolling Stock Bogie Maintenance	Level 3
	Rolling Stock Brake Systems Maintenance	Level 3
	Rolling Stock Car Body Maintenance	Level 3
	Rolling Stock On-Board Control Systems Maintenance	Level 3
	Rolling Stock Power Systems Maintenance	Level 3
	Rolling Stock Propulsion Systems Maintenance	Level 3
	Staff Performance Management	Level 3
	Vendor Management	Level 2
	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.