

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - ENGINEERING MANAGER				
<b>Sector</b>	Public Transport			
<b>Track</b>	Bus Fleet Engineering			
<b>Sub-Track</b>	Bus Engineering			
<b>Occupation</b>	Automotive Engineer			
<b>Job Role</b>	<b>Engineering Manager</b>			
<b>Job Role Description</b>	<p>The Engineering Manager oversees the fleet-wide operational activities to ensure safety, reliability and achievement of bus service standards. He/She provides multi-disciplinary technical advice for fleet-wide engineering and maintenance programs which include review of fleet performance audit data to establish fleet engineering and maintenance standards. He is also responsible for commissioning engineering studies and technology application projects to enhance the overall fleet reliability and maintainability.</p> <p>He possesses an innovative mind-set, is forward looking and able to apply in-depth engineering knowledge to analyse complex engineering and operational issues to make informed recommendations in enhancing the overall performance of the organisation.</p>			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	Maintain bus fleet	<b>Key Tasks</b>	
			Lead fleet-wide engineering programs across various operational lifecycles of systems, components and bus models	
			Lead complex diagnostic analysis of systemic and/or recurring faults of bus fleet	
	Support maintenance activities and operational requirements	Support continuous improvement activities to enhance service standards	Manage people and team performance	Manage reliability of fleet-wide performance through cost optimisation efforts across all bus systems workshops
				Provide multi-disciplinary technical advice for fleet maintenance activities according to established work processes and methods
				Develop fleet maintenance policies in accordance to Original Equipment Manufacturer (OEM) instructions and organisational requirements
				Review workshop performance, productivity reports and statistical information related to technical aspects of bus operations
				Manage multiple contractors and internal maintenance functions to ensure safety requirements, operating standards and quality standards are adhered to
	Ensure adherence with Workplace Safety and Health (WSH) policies, procedures and regulations when carrying out work			
	Support continuous improvement activities to enhance service standards	Manage people and team performance	Manage people and team performance	Evaluate the feasibility of engineering studies to improve the reliability and efficiency fleet maintenance regime
				Formulate improvement plans for fleet maintenance processes
				Implement improvement regimes to enhance the reliability and efficiency of fleet maintenance
				Review training needs to implement training plans in equipping engineering staff with the relevant skills
Manage people and team performance	Manage people and team performance	Manage people and team performance	Manage annual budget required by the department	
			Manage department's performance in achieving key performance indicators	
			Develop processes to optimise manpower allocation	
<b>Skills &amp; Competencies</b>	<b>Technical Skills &amp; Competencies</b>		<b>Generic Skills &amp; Competencies (Top 5)</b>	
	Budgeting	Level 4	Communication	Advanced
	Bus Air-Conditioning Systems Maintenance	Level 4	Leadership	Advanced
	Bus Brake Systems Maintenance	Level 4	Problem Solving	Advanced
	Bus Drivetrain Systems Maintenance	Level 4	Decision Making	Advanced
	Bus Electrical and Electronic Systems Maintenance	Level 4	Creative Thinking	Advanced
	Bus Engine System Maintenance	Level 4		
	Bus Regulatory Compliance	Level 4		
	Bus Steering and Suspension Systems Maintenance	Level 4		
	Business Continuity Planning	Level 5		
	Change Management	Level 5		
	Condition-based Assets Monitoring Management	Level 4		
	Continuous Improvement Management	Level 5		
	Data and Statistical Analytics	Level 5		
	Engineering Maintenance Management	Level 4		
Innovation Management	Level 5			
Internet of Things Application	Level 3			

	Organisational Planning and Target Setting	Level 4	
	People Development	Level 5	
	Project Management	Level 5	
	Robotics and Automation Application	Level 3	
	Staff Performance Management	Level 4	
	Systems Engineering Thinking	Level 5	
	Technology Application	Level 2	
	Vendor Management	Level 4	
	Workplace Facilities Safety Management	Level 4	
	Workplace Safety and Health Culture Development	Level 5	
	Workplace Safety and Health for Incident and Accident Investigation	Level 4	
<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.