

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT					
SKILLS MAP - SENIOR ASSISTANT ENGINEER/ASSISTANT ENGINEER (AUTOMATIC FARE COLLECTION)					
<b>Sector</b>	Public Transport				
<b>Track</b>	Rapid Transit System Engineering				
<b>Sub-Track</b>	Automatic Fare Collection				
<b>Occupation</b>	Rail Engineer				
<b>Job Role</b>	Senior Assistant Engineer/Assistant Engineer (Automatic Fare Collection)				
<b>Job Role Description</b>	<p>The Senior Assistant Engineer/Assistant Engineer (Automatic Fare Collection) is responsible for supervising his/her team in performing preventive and corrective maintenance work on Automatic Fare Collection (AFC) systems. His duties also include proposing workflow improvements to improve the reliability of the AFC systems. He also manages team's performance in achieving established Key Performance Indicators (KPIs), as well as facilitating the work of external contractors.</p> <p>He is required to carry out his duties in the depot, workshop and/or at various train stations during train operating hours. He is meticulous, analytical, conducts his work and leads his team in a systematic approach to resolve technical issues and challenges.</p>				
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	<b>Key Tasks</b>			
		Maintain Automatic Fare Collection (AFC) systems	Supervise the execution of AFC systems preventive maintenance work Supervise the execution of AFC systems corrective maintenance work Perform complex fault analysis and testing of AFC systems		
		Support maintenance activities and operational requirements	Supervise and facilitate the work of contractors and stakeholders external to the AFC 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 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 AFC systems Carry out engineering improvement activities to enhance the reliability and efficiency of AFC systems			
	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	Basic
		Automatic Fare Collection Auxiliary Systems Maintenance	Level 3	Leadership	Intermediate
		Automatic Fare Collection Gate Maintenance	Level 3	Teamwork	Intermediate
		Automatic Fare Collection Sales Device Maintenance	Level 3	Problem Solving	Intermediate
Condition-based Assets Monitoring Management		Level 2	Interpersonal Skills	Basic	
Continuous Improvement Management		Level 3			
Data and Statistical Analytics		Level 3			
Equipment Maintenance and Housekeeping		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			
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 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.