

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - SENIOR TECHNICIAN (AUTOMATIC FARE COLLECTION)				
Sector	Public Transport			
Track	Rapid Transit System Engineering			
Sub-Track	Automatic Fare Collection			
Occupation	Rail Technician			
Job Role	Senior Technician (Automatic Fare Collection)			
Job Role Description	<p>The Senior Technician (Automatic Fare Collection) is responsible for preventive and corrective maintenance of Automatic Fare Collection (AFC) systems. His/Her duties include troubleshooting of 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 carry out his duties in the depot, workshop and/or at various train stations during train operating hours. He is technically inclined and well-versed in various AFC systems and machines and builds good teamwork amongst his team to support maintenance activities.</p>			
Critical Work Functions and Key Tasks	Critical Work Functions	Maintain Automatic Fare Collection (AFC) systems	Key Tasks	
			Perform preventive maintenance of AFC systems	
			Perform corrective maintenance of AFC systems	
	Support maintenance activities and operational requirements	Perform fault analysis and testing of AFC Line Replacement Units (LRUs)		
		Supervise the work of contractors and stakeholders external to the AFC team to ensure safety requirements and operating standards are met		
		Ensure proper housekeeping of spare parts, equipment and tools		
		Document inspection and maintenance activities		
	Manage people and team performance	Comply with Workplace Safety and Health (WSH) policies, procedures and regulations when carrying out work		
		Comply with Rapid Transit System (RTS) Codes of Practice		
		Assist in allocating manpower for work activities		
Contribute to workflow improvement, planning and scheduling activities				
Perform on-the-job coaching				
Skills & Competencies	Technical Skills & Competencies		Generic Skills & Competencies (Top 5)	
	Automatic Fare Collection Auxiliary Systems Maintenance	Level 1, Level 2	Teamwork	Basic
	Automatic Fare Collection Gate Maintenance	Level 1, Level 2	Communication	Basic
	Automatic Fare Collection Sales Device Maintenance	Level 1, Level 2	Interpersonal Skills	Basic
	Condition-based Assets Monitoring Management	Level 2	Problem Solving	Basic
	Data and Statistical Analytics	Level 2	Lifelong Learning	Basic
	Equipment Maintenance and Housekeeping	Level 1		
	Internet of Things Application	Level 2		
	Learning and Development	Level 2		
	Maintenance Scheduling	Level 3		
	Rail Regulatory Compliance	Level 2		
	Report Writing	Level 1		
	Vendor Management	Level 1		
	Workplace Facilities Safety Management	Level 2		
	Workplace Safety and Health Culture Development	Level 2		
	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			
Programme Listing	For a list of Training Programmes available for the Public Transport sector, please visit: www.skillsfuture.sg/skills-framework/public-transport			

The information contained in this document serves as a guide.