

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - SENIOR TECHNICIAN (SIGNAL AND COMMUNICATIONS)				
Sector	Public Transport			
Track	Rail Engineering			
Sub-Track	Signal and Communications			
Occupation	Rail Technician			
Job Role	Senior Technician (Signal and Communications)			
Job Role Description	<p>The Senior Technician (Signal and Communications) is technically inclined and skilled in preventive and corrective maintenance of various signal, communication and control systems. He/She provides technical guidance and on-the-job coaching to his team and supervises the work of contractors and external stakeholders to ensure adherence to operating requirements and safety standards.</p> <p>He may be required to perform shift duties at various rail premises such as workshops, depots, train stations, and train tunnels. He is a team-player and is able to communicate with junior and senior staff member to achieve work objectives.</p>			
Critical Work Functions and Key Tasks	Critical Work Functions	Maintain signal, communication and control systems	Key Tasks	
			Perform preventive maintenance of signal, communication and control systems	
			Perform corrective maintenance of signal, communication and control systems	
	Support maintenance activities and operational requirements	Perform fault analysis and testing of signal, communication and control systems	Supervise the work of contractors and stakeholders external to the Signal and Communications team to ensure safety requirements and operating standards are met	
			Ensure proper housekeeping of spare parts, equipment and tools	
			Document inspection and maintenance activities	
			Comply with Workplace Safety and Health (WSH) policies, procedures and regulations when carrying out work	
	Manage people and team performance	Comply with the 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)	
	Communication Auxiliary Systems Maintenance	Level 1, Level 2	Communication	Intermediate
	Communication Backbone System Maintenance	Level 1, Level 2	Interpersonal Skills	Basic
	Communication Power System Maintenance	Level 1, Level 2	Lifelong Learning	Basic
	Condition-based Assets Monitoring Management	Level 2	Decision Making	Basic
	Data and Statistical Analytics	Level 2	Teamwork	Basic
	Emergency and Security Communication Systems Maintenance	Level 1, Level 2		
	Equipment Maintenance and Housekeeping	Level 1		
	Internet of Things Application	Level 2		
	Learning and Development	Level 2		
	Maintenance Scheduling	Level 3		
	Network Systems Maintenance	Level 1, Level 2		
	Radio System Maintenance	Level 1, Level 2		
	Rail Regulatory Compliance	Level 2		
	Report Writing	Level 1		
	Robotics and Automation Application	Level 2		
	Signal Interlocking Systems Maintenance	Level 1, Level 2		
	Signalling Auxiliary Device and Equipment Maintenance	Level 1, Level 2		
	Supervisory Control and Data Acquisition System Maintenance	Level 1, Level 2		
	Trackside Automatic Train Control Equipment Maintenance	Level 1, Level 2		
	Train Supervisory System Maintenance	Level 1, Level 2		
	Trainborne Automatic Train Control Equipment Maintenance	Level 1, Level 2		

	Travel Information System Maintenance	Level 1, Level 2	
	Vendor Management	Level 1	
	Video Surveillance System Maintenance	Level 1, Level 2	
	Work at Heights	Level 1	
	Workplace Facilities Safety Management	Level 2	
	Workplace Safety and Health Culture Development	Level 2	
	Workplace Safety and Health for Confined Spaces	Level 1	
	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.