

SKILLS FRAMEWORK FOR PUBLIC TRANSPORT SKILLS MAP - MASTER TECHNICAL SPECIALIST				
Sector	Public Transport			
Track	Bus Fleet Engineering			
Sub-Track	Bus Workshop			
Occupation	Automotive Specialist			
Job Role	Master Technical Specialist			
Job Role Description	<p>The Master Technical Specialist supervises the implementation of preventive and corrective maintenance of the bus fleet, including technical advice based on his/her expert knowledge and skills across different bus systems. He conducts fleet performance testing and complex technical fault analysis of the bus systems to recommend enhanced maintenance regime as well as to improve the fleet service reliability and maintainability.</p> <p>He is required to work in the bus workshop and/or depot environment based on rotating shifts. He is a technical expert in multiple bus systems, is resourceful and leads his team in a systematic and collaborative approach to resolve technical challenges and achieve fleet maintenance requirements.</p>			
Critical Work Functions and Key Tasks	Critical Work Functions	Maintain bus fleet	Key Tasks	
			Supervise and provide technical guidance on preventive and corrective maintenance of bus fleet	
			Supervise the conduct of complex fault and failure trend analysis to implement corrective measures of multiple bus systems	
	Support maintenance activities and operational requirements	Conduct fleet testing and performance audit for maintenance quality assurance		
		Implement housekeeping practices and maintenance plans of workshop tools, equipment and expendables		
		Validate inspection and maintenance records and documents		
Support continuous improvement activities to enhance service reliability	Supervise and facilitate the work of contractors and stakeholders external to the bus maintenance team to ensure safety requirements, operating standards and quality standards are met			
	Ensure workplace adherence with Workplace Safety and Health (WSH) policies, procedures and regulations when carrying out work			
Skills & Competencies	Technical Skills & Competencies		Generic Skills & Competencies (Top 5)	
	Bus Air-Conditioning Systems Maintenance	Level 4	Problem Solving	Intermediate
	Bus Body Work Maintenance	Level 2	Communication	Intermediate
	Bus Brake Systems Maintenance	Level 4	Creative Thinking	Intermediate
	Bus Drivetrain Systems Maintenance	Level 4	Decision Making	Intermediate
	Bus Electrical and Electronic Systems Maintenance	Level 4	Sense Making	Basic
	Bus Engine System Maintenance	Level 4		
	Bus Regulatory Compliance	Level 3		
	Bus Steering and Suspension Systems Maintenance	Level 4		
	Continuous Improvement Management	Level 3		
	Data and Statistical Analytics	Level 3		
	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		
	Report Writing	Level 2		
	Robotics and Automation Application	Level 3		
	Vendor Management	Level 2		
Work at Heights	Level 3			
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	
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.