

**SKILLS FRAMEWORK FOR PUBLIC TRANSPORT
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Workplace Safety and Health					
TSC	Workplace Safety and Health for Electrical Safety					
TSC Description	Manage safety to minimise risks and hazards when performing electrical-related maintenance activities					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	PTP-WSH-1049-1.1	PTP-WSH-2049-1.1	PTP-WSH-3049-1.1			
	Comply with Workplace Safety and Health (WSH) policies and procedures when performing electrical maintenance work	Maintain Workplace Safety and Health (WSH) policies and procedures to minimise risk and hazards	Manage Workplace Safety and Health (WSH) policies and procedures to ensure workplace electrical safety related maintenance activities			
Knowledge	<ul style="list-style-type: none"> Types of voltage levels applicable in the rapid transit and the automotive environment Types of measurement equipment and tools used in electrical maintenance activities Safe and proper use of electrical measurement equipment and tools Use of appropriate Personal Protective Equipment (PPE) within a public transport environment Safe electrical procedures during electrical isolation and switching Methods to check electrical measurement equipment and tools prior to operation Procedure to check for safety of assigned work area Common causes of electrical accidents at workplace 	<ul style="list-style-type: none"> Organisation policies and procedure related to electrical safety Methods of protection against electrical hazards Types of unsafe behaviour and practices Scenarios requiring work stoppage Types of workplace emergencies and workplace emergency handling procedures and policies Types of programmes that promote electrical safety Procedures in reporting electrical accidents at workplace WSH legislations and organisation procedures applicable to electrical installation 	<ul style="list-style-type: none"> Resources for implementing WSH management programmes Regulatory requirements for electrical safety Mandatory incident reporting requirements List of high-risk activities requiring Permit-to-Work Methods of auditing compliance of electrical safety procedures and requirements Impact of compromised electrical safety on operations continuity WSH culture programmes relating to electrical safety 			

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	<ul style="list-style-type: none"> • Procedures in reporting electrical accidents at workplace • WSH legislations and organisation procedures applicable to electrical installation 					
Abilities	<ul style="list-style-type: none"> • Identify the types of voltages used in the rapid transit and automotive environment • Perform electrical measurements to determine electrical parameters • Use appropriate PPE in performing electrical maintenance work • Perform safe electrical isolation, switching and installation at assigned work areas • Check equipment and tools to ensure their serviceability • Check assigned work area for safety hazards • Identify common causes of electrical accidents at workplace • Report WSH issues during electrical maintenance work 	<ul style="list-style-type: none"> • Maintain workplace safety policies and procedures related to electrical safety • Maintain workplace risk control measures • Promote awareness of electrical safety at workplace • Report details of abnormalities, problems and/or accidents relating to electrical hazards 	<ul style="list-style-type: none"> • Implement WSH management programmes and risk control measures in compliance with legislative requirements • Recommend review of WSH policy procedures and programmes for electrical safety • Review incident reports to prevent accident recurrences • Coordinate site visits, inspections and compliance audits • Organise operations workflow in response to a compromise of electrical safety procedures • Support WSH culture programmes relating to electrical safety 			