

**SKILLS FRAMEWORK FOR ELECTRONICS
TECHNICAL SKILLS & COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Manufacturing and Operations					
TSC	Electro-static Discharge Control					
TSC Description	Implement precautionary measures required to avoid damage to sensitive electronic components as well as adopt proper components handling techniques and the use of appropriate personal grounding device					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			ELE-OPR-3002-1.1	ELE-OPR-4002-1.1		
			Implement Electro-static Discharge (ESD) control programmes to ensure proper handling and storage of ESD products	Review Electro-static Discharge (ESD)-controlled environment and identify the possible issues that may be encountered in an uncontrolled ESD environment		
Knowledge			<ul style="list-style-type: none"> • Theory and/or principles of ESD knowledge, test models, ESD control items • ESD control programme • Designated Static Control Areas • ESD workstations • ESD product packing and storage 	<ul style="list-style-type: none"> • Theory and/or principles of ESD knowledge, test models, ESD control items • Static control with respect to established ESD standards • Types of ESD instruments used for checks and measurements • Preventive measures to reduce the risk of ESD generation 		
Abilities			<ul style="list-style-type: none"> • Identify the proper procedures for product handling and ESD precautions • Select appropriate ESD precautions • Ensure appropriate containers and packaging systems for movement of ESD assemblies and components • Provide full static protection for ESD-sensitive products 	<ul style="list-style-type: none"> • Perform control measures to control the generation of ESD • Monitor the effectiveness of the employed control measures • Recommend follow-up actions to reduce the risk of ESD generation 		