

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

TSC Category	Manufacturing and Operations					
TSC	Defect Density Monitoring					
TSC Description	Monitor the manufacturing process defect density metrics and manage deviations as well as analyse defect density issues and recommend corrective actions					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			ELE-OPR-3001-1.1	ELE-OPR-4001-1.1	ELE-OPR-5001-1.1	
			Interpret defect density information in the manufacturing process	Analyse defect density issues and identify causes of deviations	Formulate strategies for defect density performance improvement	
Knowledge			<ul style="list-style-type: none"> Types of defects Type of defect density metrics 	<ul style="list-style-type: none"> Defect density analysis techniques Problem solving techniques 	<ul style="list-style-type: none"> Types of defect density performance metrics Problem solving techniques 	
Abilities			<ul style="list-style-type: none"> Determine functions of defect density monitoring and analysis in the manufacturing process Identify application of defect density monitoring in the manufacturing process Relate defect density information to the manufacturing process Determine follow-up action 	<ul style="list-style-type: none"> Identify defect density analysis techniques Apply defect density analysis techniques Analyse defect density issues Verify possible causes of deviations Determine follow-up actions required 	<ul style="list-style-type: none"> Analyse defect density information Select appropriate project that will improve defect density Define project scope of work and the number of hours based on business requirements Execute project in accordance with project plan Evaluate project effectiveness in accordance with project objectives Recommend follow up actions 	