

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

TSC Category	Quality Management					
TSC	Parametric Testing					
TSC Description	Implement parametric tests and parametric data analysis to drive process and yield improvements					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			ELE-QUA-3004-1.1	ELE-QUA-4004-1.1	ELE-QUA-5004-1.1	
			Analyse parametric results from process modules and determine necessary follow-up action	Set-up and implement parametric tests to collect parametric data	Formulate parametric recipes for process performance improvements	
Knowledge			<ul style="list-style-type: none"> • Tool operations • Electrical measurement techniques • Electrical parameters 	<ul style="list-style-type: none"> • Parametric recipe parameters • Parametric recipe management • Parametric recipe qualification procedure 	<ul style="list-style-type: none"> • Types of process performance metrics • Problem solving techniques 	
Abilities			<ul style="list-style-type: none"> • Identify tool's function and purpose of parametric testing • Select appropriate parametric recipes • Relate parametric results to process modules in accordance with product specifications • Determine follow-up action required 	<ul style="list-style-type: none"> • Identify parametric recipes used to perform measurement against product specifications • Set up parametric recipes • Troubleshoot any abnormality detected • Verify measurement performance against specifications • Determine follow-up action required 	<ul style="list-style-type: none"> • Define project to meet process performance • Establish 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 	