

SKILLS FRAMEWORK FOR ELECTRONICS SKILLS MAP - ASSISTANT QUALITY ENGINEER				
<b>Sector</b>	Electronics			
<b>Sub-sector</b>	Semiconductor and Data Storage			
<b>Track</b>	Technical and Engineering			
<b>Occupation</b>	Engineer			
<b>Job Role</b>	<b>Assistant Quality Engineer</b>			
<b>Job Role Description</b>	<p>The Assistant Quality Engineer applies engineering principles and techniques to support the achievement of quality targets and organisational objectives in a manufacturing environment. He/She also assists in analysing manufacturing and quality issues to make recommendations for 'out of control' processes.</p> <p>In addition, the Assistant Quality Engineer participates in quality improvement projects in accordance with organisational objectives.</p> <p>The Assistant Quality Engineer is required to have strong communication skills, good teamwork and an analytical mind to perform his role well to achieve the desired organisational outcomes.</p>			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	Administer quality engineering	<b>Key Tasks</b>	
			Ensure no expired tools in the production lines	
			Implement calibration cost reduction activities	
			Maintain production yield targets	
	Conform to management system requirements		Interpret information provided by the networks and/or dashboard for quality performance monitoring	
			Enforce good safety culture and good manufacturing practices	
			Ensure adherence to processes and procedures	
			Ensure all quality plans are properly documented and maintained	
			Attend to internal or external audit- related issues	
			Monitor quality control and assurance processes	
			Facilitate the implementation of quality systems in the organisation	
	Contribute to continuous improvement		Supervise manufacturing works for Workplace Safety and Health compliance	
Assist in implementation of improvement projects				
Identify opportunities for continuous improvement projects				
Perform evaluation and/or experiments				
<b>Skills &amp; Competencies</b>	<b>Technical Skills and Competencies</b>		<b>Generic Skills and Competencies (Top 5)</b>	
	Audit Management	Level 4	Communication	Basic
	Continuous Process Improvement	Level 3	Decision Making	Basic
	Data Analytics Systems Design	Level 3	Leadership	Basic
	Data Synthesis	Level 3	Lifelong Learning	Basic
	Electrostatic Discharge Control	Level 3	Teamwork	Basic
	Embedded Systems Integration	Level 4		
	Emergency Management	Level 3		
	Failure Analysis	Level 3		
	Good Manufacturing Practices Implementation	Level 3		
	Hazards and Risk Control, and Policy Management	Level 3		
	Innovation Management	Level 3		
	Internet of Things (IoT) Management	Level 3		
	Learning and Development	Level 2		
	Material Qualification	Level 4		
	Metrology Management	Level 3		
	Product Testing	Level 3		
	Quality Control and Assurance	Level 3		
	Quality Process Control	Level 3		
	Quality Systems Management	Level 3		
	Report Writing	Level 3		
	Solutioning	Level 4		
	Technical Presentations	Level 4		
	Workplace Safety and Health (WSH) Practices Implementation	Level 3		
Yield Analysis	Level 3			
<b>Programme Listing</b>	For a list of Training Programmes available for the Electronics sector, please visit: <a href="http://www.skillsfuture.sg/skills-framework/electronics">www.skillsfuture.sg/skills-framework/electronics</a>			

The information contained in this document serves as a guide.