

SKILLS FRAMEWORK FOR ELECTRONICS SKILLS MAP - TECHNICIAN				
Sector	Electronics			
Sub-sector	Semiconductor and Data Storage			
Track	Technical and Engineering			
Occupation	Technician			
Job Role	Technician			
Job Role Description	<p>The Technician performs routine maintenance work on the equipment and/or facilities and recommends equipment set-up improvements in accordance with work disposition records. He/She is responsible for controlling and monitoring maintenance processes for issues in accordance to organisational requirements. The Technician contributes to productivity improvements and is responsible for taking the initiative to implement corrective action.</p> <p>He works on rotating shifts and is responsible for providing basic engineering technical support to ensure smooth production flow and process flow in accordance with organisational requirements.</p> <p>He must have team spirit and be able to interact effectively with others to ensure that all issues are resolved appropriately and efficiently, while complying with Workplace Safety and Health requirements.</p>			
Critical Work Functions and Key Tasks	Critical Work Functions		Key Tasks	
	Perform maintenance works	Interpret the network and/or dashboard data to troubleshoot defects		
		Carry out routine preventive maintenance works		
		Support troubleshooting and process control of automated systems		
		Conduct routine equipment cleaning and inspection activities		
	Control maintenance process and manufacturing issues	Interpret information provided by the network and/or dashboard for machine monitoring		
		Monitor process control automation to reduce process variations		
	Conform to management system requirements	Record equipment performance in assigned lines		
Suggest improvements in equipment set-up				
Contribute to continuous improvements	Keep records of defective final products			
	Take initiative to seek opportunities for improvements and implement corrective action			
Skills & Competencies	Technical Skills and Competencies		Generic Skills and Competencies (Top 5)	
	Automated Operation Monitoring	Level 2	Communication	Basic
	Automation Systems Maintenance	Level 2	Decision Making	Basic
	Continuous Process Improvement	Level 2	Lifelong Learning	Basic
	Data Synthesis	Level 3	Problem Solving	Basic
	Electrostatic Discharge Control	Level 3	Teamwork	Basic
	Equipment Maintenance	Level 2		
	Facilities Management	Level 2		
	Good Manufacturing Practices Implementation	Level 2		
	Hazards and Risk Control, and Policy Management	Level 2		
	Internet of Things (IoT) Management	Level 2		
	Quality Control and Assurance	Level 2		
Quality Systems Management	Level 2			
Programme Listing	For a list of Training Programmes available for the Electronics sector, please visit: www.skillsfuture.sg/skills-framework/electronics			

The information contained in this document serves as a guide.