

SKILLS FRAMEWORK FOR ELECTRONICS SKILLS MAP - OPERATOR				
Sector	Electronics			
Sub-sector	Semiconductor and Data Storage			
Track	Technical and Engineering			
Occupation	Operator			
Job Role	Operator			
Job Role Description	The Operator operates machines and performs operational housekeeping work while adhering closely to standard work instructions and organisational procedures in a cleanroom environment. He/She operates machines in accordance with operational procedures. He conforms to management system requirements by ensuring that products and processes meet quality standards.			
	The Operator contributes to productivity improvements and is responsible for taking the initiative to implement corrective actions. Above all, he needs to perform rotating shift work in accordance with work disposition records.			
	While performing the work activities, he must be able to interpret operation manuals and procedures. He must have team spirit and be able to interact effectively with others to achieve production and quality targets, while complying with Workplace Safety and Health requirements.			
Critical Work Functions and Key Tasks	Critical Work Functions		Key Tasks	
	Operate machines	Operate automated robots and systems		
		Maintain cleanliness of machines during and after each shift		
		Operate network interface to monitor machines		
	Conform to management system requirements	Conduct periodic checks on final products		
		Correct product or process to meet quality standards		
Contribute to continuous improvement	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 1	Communication	Basic
	Automation Systems Maintenance	Level 1	Digital Literacy	Basic
	Continuous Process Improvement	Level 1	Lifelong Learning	Basic
	Good Manufacturing Practices Implementation	Level 2	Problem Solving	Basic
	Hazards and Risk Control, and Policy Management	Level 2	Teamwork	Basic
	Internet of Things (IoT) Management	Level 2		
	Manufacturing Process Management	Level 2		
	Quality Control and Assurance	Level 1		
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.