

SKILLS FRAMEWORK FOR ELECTRONICS SKILLS MAP - FACILITIES ENGINEER					
Sector	Electronics				
Sub-sector	Semiconductor and Data Storage				
Track	Technical and Engineering				
Occupation	Engineer				
Job Role	Facilities Engineer				
Job Role Description	The Facilities Engineer applies engineering principles and techniques to optimise the facilities engineering processes in a manufacturing environment to meet organisational objectives. His/Her work includes ensuring proper installations, renovations and maintenance of facilities to minimise production delays. He needs to implement network solutions for facilities capability monitoring.				
	In addition, the Facilities Engineer leads facilities improvement projects, and develops a robust facilities maintenance plan in accordance with organisational objectives. He is also required to ensure compliance with Workplace Safety and Health and other regulatory requirements in his line.				
	The Facilities Engineer is required to have strong communication skills to lead a team to meet organisational outcomes. He is expected to guide and mentor the others under his charge.				
Critical Work Functions and Key Tasks	Critical Work Functions		Key Tasks		
	Administer facilities engineering			Ensure proper facility installations and/or renovations on-site	
				Take charge of routine servicing teams and repair teams	
				Assist to plan and track all maintenance works	
				Investigate root causes of facilities failures	
	Manage facility system capabilities			Manage facilities system monitoring	
				Implement network solutions for capability monitoring	
				Adopt new technologies to improve facility systems	
	Conform to management system requirements			Enforce good safety culture and maintenance practices	
				Maintain quality assurance systems related to facilities maintenance	
				Monitor facilities performance data to establish good control parameters	
				Conduct technical presentations	
Contribute to continuous improvement			Lead continuous improvement projects		
			Lead working level community to explore opportunities for improvement projects		
Influence organisational development			Provide guidance to others		
			Develop training programmes for staff		
Skills & Competencies	Technical Skills and Competencies		Generic Skills and Competencies (Top 5)		
	Audit Management	Level 4	Communication	Intermediate	
	Continuous Process Improvement	Level 4	Decision Making	Intermediate	
	Data Analytics System Design	Level 4	Leadership	Intermediate	
	Effectiveness Management	Level 4	Lifelong Learning	Intermediate	
	Electrostatic Discharge Control	Level 4	Teamwork	Intermediate	
	Embedded Systems Integration	Level 5			
	Emergency Management	Level 4			
	Enterprise Risk Management	Level 3			
	Facilities Management	Level 4			
	Factory Systems Management	Level 4			
	Failure Analysis	Level 4			
	Good Manufacturing Practices Implementation	Level 3			
	Hazards and Risk Control, and Policy Management	Level 4			
	Innovation Management	Level 3			
	Internet of Things (IoT) Management	Level 4			
	Learning and Development	Level 3			
	Operations Management	Level 4			
	Quality System Management	Level 4			
	Report Writing	Level 4			
Solutioning	Level 5				
Technical Presentations	Level 5				
Workplace Safety and Health (WSH) Practices Implementation	Level 4				
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.