

SKILLS FRAMEWORK FOR ELECTRONICS SKILLS MAP - SENIOR EQUIPMENT ENGINEER				
Sector	Electronics			
Sub-sector	Semiconductor and Data Storage			
Track	Technical and Engineering			
Occupation	Engineer			
Job Role	Senior Equipment Engineer			
Job Role Description	The Senior Equipment Engineer is responsible for the day-to-day equipment operations, including maintaining uptime and operation of equipment systems to meet business needs. He/She, as the subject matter expert, is required to manage maintenance for all equipment and adopt new technologies to improve equipment capability indices. He is responsible for developing a management system to ensure that operations meet both internal and external parties' quality requirements.			
	He has to take the lead in managing cross-functional teams in continuous improvement projects and assist in implementing process improvement projects. He plays an important role in organisational development through development of on-the-job training and mentoring of team leaders.			
	The Senior Equipment Engineer possesses an analytical mind and leadership skills to steer the team to perform their best and achieve the desired organisational outcomes.			
Critical Work Functions and Key Tasks	Critical Work Functions		Key Tasks	
	Administer equipment engineering			Maintain uptime and operations of equipment systems
				Manage contractors for outsourced services to ensure fulfilment of contract terms and agreements
				Coordinate with sub-contractors, vendors or local authorities for any new installation or equipment re-location
				Resolve equipment maintenance issues
	Manage equipment capability			Manage maintenance for all equipment
				Improve equipment capability indices to meet organisation goals
				Design data monitoring systems to aid data analytics
				Adopt new technologies to improve equipment systems
	Conform to management system requirements			Ensure operations meets both internal and external parties' quality requirements
				Enhance safety procedures and ensure good housekeeping in the area of responsibilities
	Contribute to continuous improvement			Lead cross-functional teams in continuous improvement projects
		Collaborate with stakeholders in improvement activities to meet organisational goals		
Influence organisational development			Develop on-the-job training programmes	
			Develop workplace learning plans	
			Develop team leaders through capability development and coaching	
			Lead team leaders in the development of business unit strategies and operational plans	
Skills & Competencies	Technical Skills and Competencies		Generic Skills and Competencies (Top 5)	
	Audit Management	Level 5	Communication	Intermediate
	Automated System Design	Level 5	Creative Thinking	Intermediate
	Automation Process Control	Level 5	Decision Making	Intermediate
	Automation Systems Maintenance	Level 5	Leadership	Advanced
	Change Management	Level 3	Lifelong Learning	Intermediate
	Conflict Management	Level 4		
	Continuous Process Improvement	Level 5		
	Crisis Situations Management	Level 3		
	Data Analytics Systems Design	Level 5		
	Effectiveness Management	Level 5		
	Enterprise Risk Management	Level 4		
	Equipment Maintenance	Level 5		
	Factory Systems Management	Level 5		
	Failure Analysis	Level 5		
	Innovation Management	Level 4		
	Internet of Things (IoT) Management	Level 5		
	Learning and Development	Level 4		
	Operations Management	Level 5		
	Organisational Analysis	Level 4		
	Organisational Strategising	Level 4		
	Quality Systems Management	Level 5		
Workplace Safety and Health (WSH) Systems Management	Level 5			

Programme Listing	For a list of Training Programmes available for the Electronics sector, please visit: www.skillsfuture.sg/skills-framework/electronics
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The information contained in this document serves as a guide.