

SKILLS FRAMEWORK FOR AEROSPACE				
SKILLS MAP - Senior Planning Executive (Aircraft Engine / Component Maintenance)				
Sector	Aerospace			
Track	Aircraft Engine / Component Maintenance			
Occupation	Production Planning Engineer			
Job Role	Senior Planning Executive (Aircraft Engine / Component Maintenance)			
Job Role Description	<p>The Senior Planning Executive (Aircraft Engine / Component Maintenance) develops aircraft engine and component maintenance plans to fulfil customer requirements and organises materials, manpower and resources to accomplish maintenance functions. He/She drives adherence of maintenance works to project schedules and goals in collaboration with cross-functional leads. He facilitates material requirements planning and technical and programme reviews. He is responsible for optimising supply chain and logistics planning, contract negotiations, vendor sourcing, inventory planning and control and warehousing operations to meet maintenance requirements. He leverages data from supply chain management (SCM) systems to enhance decision-making and implements supplier capability development plans for enhance performance.</p> <p>He reviews compliance with airworthiness and legislative requirements, while proposing enhancements to the organisation's standard operating procedures (SOPs), and safety, health and quality systems. He proactively contributes to the development of lean and sustainability practices, and conducts research and digital innovation in targeted areas for continuous process improvements. As a team leader, he appraises staff performance and conducts coaching and mentoring for planning personnel.</p> <p>He should possess advanced statistical, forecasting and analytical skills to predict planning and resource requirements. He is able to drive cross-functional collaboration between internal and external stakeholders to optimise the planning processes and ensure maximum resource utilisation.</p>			
Critical Work Functions and Key Tasks / Performance Expectations	Critical Work Functions	Key Tasks	Performance Expectations (For legislated / regulated occupations)*	
	Manage engine and component maintenance programmes	Develop engine and component maintenance plans to fulfil customer requirements in collaboration with operations and engineering	In accordance with: • International Civil Aviation Organisation (ICAO) legislation • Air Navigation Order (ANO) • Singapore Airworthiness Requirements (SAR) • Workplace Safety and Health (WSH) Act • Environmental standards • Aerospace quality management system standards *Performance Expectations are non-exhaustive and subject to prevailing regulations	
		Organise manpower and resources to accomplish engine and component maintenance functions		
		Ensure adherence of engine and component maintenance works to project timelines and goals		
		Facilitate technical and programme reviews with customers and suppliers		
	Manage supply chain and logistics	Lead vendor sourcing and contract negotiations		
		Lead material requirements planning in consultation with customers, workshops and engineering teams		
		Optimise inventory planning and control as per organisational and regulatory requirements		
		Leverage data from supply chain management (SCM) systems to enhance decision-making		
		Implement supplier capability development plans to enhance performance		
	Conform to management system requirements	Propose enhancements to standard operating procedures (SOPs) for maintenance planning operations		
		Review compliance with corporate governance policies and legislative requirements		
		Recommend improvements to environment, safety and health systems, policies and procedures		
Contribute to the development of organisational quality and risk management systems				
Contribute to continuous improvement	Contribute to the development of sustainability practices for engine and component maintenance			
	Evaluate opportunities for continuous improvement projects			
	Contribute to the development of lean practices for engine and component maintenance			
	Conduct research on market trends and technology applications to drive innovation			
Manage people and organisational development	Leverage data analytics to enhance operational and business decision-making			
	Liaise with other teams and customers to ensure smooth operations			
	Appraise staff performance by utilising organisational performance management systems			
	Conduct coaching and mentoring for junior team members			
Technical Skills and Competencies	Technical Skills and Competencies		Generic Skills and Competencies	
	Artificial Intelligence Application	Level 3	Problem Solving	Intermediate
	Asset Management	Level 3	Sense-Making	Advanced
	Aviation Legislation Compliance	Level 3	Service Orientation	Intermediate
	Big Data Analytics	Level 3	Decision Making	Intermediate
	Budgeting	Level 3	Resource Management	Intermediate
	Business Continuity Planning	Level 3		
	Business Negotiation	Level 4		
	Business Opportunities Development	Level 3		
	Business Performance Management	Level 3		
	Carbon Footprint Management	Level 4		

Skills & Competencies	Change Management	Level 3		
	Condition-based Assets Monitoring Management	Level 4		
	Continuous Process Improvement	Level 3		
	Enterprise Database System Administration	Level 3		
	Green Manufacturing Design and Implementation	Level 3		
	Human Factors Application and Error Management	Level 3		
	Innovation Management	Level 3		
	Internet of Things Implementation	Level 3		
	Knowledge Management	Level 3		
	Lean Manufacturing	Level 3		
	Maintenance Coordination	Level 4		
	Mathematical Concepts Application	Level 3		
	Production Planning	Level 3		
	Project Management	Level 3		
	Quality System Management	Level 3		
	Robotics and Automation Application	Level 3		
	Stakeholder Management	Level 3		
	Supplier Management and Capability Development	Level 3		
	Supply Chain Solutioning	Level 3		
	Warehouse Inventory Control and Audit	Level 4		
Workplace Safety and Health Framework Development and Implementation	Level 3			
Programme Listing	For a list of training programmes available for the Aerospace sector, please visit < https://www.skillsfuture.sg/skills-framework/aero >			

the information
available