

SKILLS FRAMEWORK FOR AEROSPACE				
SKILLS MAP - Operations Manager/Production Manager				
Sector	Aerospace			
Track	Manufacturing			
Occupation	Production and Operations Manager			
Job Role	Operations Manager/Production Manager			
Job Role Description	<p>The Operations Manager/Production Manager oversees and manages conformance of manufacturing operations to all requirements. He/She manages shop floor operations to ensure conformance to process control plans. He provides project management oversight and is accountable for optimising resource allocation and production planning for enhanced productivity and business impact. He is responsible for leading productivity improvement and cost saving programmes, and directing customer negotiation policies. He also drives improvements to manufacturing capabilities and guides resolution of technical issues.</p> <p>He manages compliance with airworthiness and legislative requirements, and contributes to development of the organisation's standard operating procedures (SOPs), management systems, lean and sustainability practices for manufacturing, and data analytics plans for strategic decision-making. He drives team performance to achieve business key performance indicators (KPIs) and leads talent recruitment and development plans.</p> <p>He should demonstrate strong leadership capabilities, strategic thinking and foresight, and collaborate cross-functionally to ensure smooth operations and achieve desired organisational outcomes. He should be able to consider a broad range of factors to arrive at optimal decisions to ensure business continuity especially during unforeseen circumstances.</p>			
Critical Work Functions and Key Tasks / Performance Expectations	Critical Work Functions	Key Tasks	Performance Expectations (For legislated / regulated occupations)*	
	Manage manufacturing and production planning	Optimise manufacturing process sequence and production plans	<ul style="list-style-type: none"> International Civil Aviation Organisation (ICAO) legislation Air Navigation Order (ANO) Singapore Airworthiness Requirements (SAR) Relevant foreign aviation legislations Workplace Safety and Health (WSH) Act Environmental standards Aerospace quality management system standards ISO, AN, MS, NAS and MIL standards Air Transport Association of America (ATA) standards Special process standards 	
		Manage manpower, materials and resources to meet production targets		
		Drive production process enhancements to improve cost efficiency, yield, quality and cycle times		
		Manage shop floor operations to ensure conformance to process control plans		
		Direct customer negotiation policies		
	Conform to management system requirements	Establish new and revised standard operating procedures (SOPs) for manufacturing operations		
		Manage compliance with legislative requirements and airworthiness standards		
		Enhance environment, safety and health systems, policies and procedures		
		Review organisational quality and risk management systems for improvements		
	Contribute to continuous improvement	Develop sustainability practices for manufacturing		*Performance Expectations are non-exhaustive and subject to prevailing regulations
		Lead cross-functional teams in continuous improvement projects		
		Develop lean practices for manufacturing		
		Lead research on market trends and technology applications to drive innovation		
	Manage people and organisational development	Develop data analytics plans for strategic decision-making		
		Implement functional plans to achieve business goals		
Manage adherence to operating budgets for manufacturing				
Collaborate with internal and external stakeholders to ensure smooth business operations				
Manage staff performance to achieve business key performance indicators (KPIs)				
	Lead implementation of talent recruitment and development plans			
Technical Skills and Competencies		Generic Skills and Competencies		
Applied Research and Development Management	Level 4	Decision Making	Advanced	
Artificial Intelligence Application	Level 4	Problem Solving	Advanced	
Aviation Legislation Compliance	Level 4	Leadership	Advanced	
Big Data Analytics	Level 4	Service Orientation	Advanced	
Budgeting	Level 4	Communication	Advanced	
Business Continuity Planning	Level 4			
Business Negotiation	Level 5			
Business Opportunities Development	Level 4			
Business Performance Management	Level 4			
Carbon Footprint Management	Level 5			
Change Management	Level 4			
Condition-based Assets Monitoring Management	Level 5			
Continuous Process Improvement	Level 4			
Cyber Risk Management	Level 4			

Skills & Competencies	Engineering Problem Solving	Level 5		
	Green Manufacturing Design and Implementation	Level 4		
	Human Factors Application and Error Management	Level 3		
	Innovation Management	Level 4		
	Internet of Things Implementation	Level 4		
	Knowledge Management	Level 4		
	Lean Manufacturing	Level 4		
	Manufacturing Process Management	Level 5		
	Product Lifecycle Management	Level 4		
	Project Management	Level 4		
	Quality System Management	Level 4		
	Risk Compliance and Governance	Level 4		
	Robotics and Automation Application	Level 4		
	Stakeholder Management	Level 4		
	Strategy Planning	Level 4		
	Workplace Safety and Health Framework Development and Implementation	Level 4		
Programme Listing	For a list of training programmes available for the Aerospace sector, please visit < https://www.skillsfuture.sg/skills-framework/aero >			

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