

**Skills Framework for Aerospace**  
**Programmes that broaden or deepen specific skills and knowledge**  
**for the various occupations in the sector**

**Manufacturing**

Occupation:  
**Process Specialist / Team Leader**  
**(Engine Build / Machining / Quality Control / Non-Destructive Testing ( Level 2))**

Full Qualification Programme	Provider
Diploma in Engineering (Aerospace Manufacturing) Precision Engineering Master Craftsman (PeMC)	NANYANG POLYTECHNIC
Diploma in Engineering (Mechatronics)	NGEE ANN POLYTECHNIC
Diploma in Engineering (Mechanical Technology) Diploma in Engineering (Mechanical - Rapid Transit Technology) WSQ Diploma in Precision Engineering -Mechatronics & Robotics Track (DMRO) WSQ Diploma in Precision Engineering - Machinery & System Track (M&S)	SINGAPORE POLYTECHNIC

Skill Category	Modular Programme	Provider
<b>Technical and Engineering Fundamentals</b>	Perform Optical Digitising	INSTITUTE OF TECHNICAL EDUCATION
	Perform Engineering Simulation for the Aerospace Industry	CAD-IT CONSULTANTS (ASIA) PTE LTD
	Apply Engineering Simulation Fundamentals	CAD-IT CONSULTANTS (ASIA) PTE LTD
	Perform Structural Simulation For Design Verification	CAD-IT CONSULTANTS (ASIA) PTE LTD
	Perform CFD Simulation For Design Verification	CAD-IT CONSULTANTS (ASIA) PTE LTD
	Perform Industry-Specific Engineering Analysis	CAD-IT CONSULTANTS (ASIA) PTE LTD
	Perform Engineering Simulation for the Industrial Equipment/Machinery Industry	CAD-IT CONSULTANTS (ASIA) PTE LTD
	Interpret Technical Drawings & Blueprints	INSTITUTE OF TECHNICAL EDUCATION,SINGAPORE PRECISION ENGINEERING AND TOOLING ASSOCIATION
<b>Operations Production</b>	Operate Basic Measuring Devices	NTUC LEARNINGHUB PTE. LTD.
		ST ELECTRONICS (E-SERVICES) PTE. LTD.
		AIR TRANSPORT TRAINING COLLEGE PTE LTD
		ELECTRONICS INDUSTRIES TRAINING CENTRE
		SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.
		SSA CONSULTING GROUP PTE. LTD.
		TEMASEK POLYTECHNIC
		SINGAPORE MANUFACTURING FEDERATION
		INSTITUTE OF TECHNICAL EDUCATION
		SINGAPORE NATIONAL EMPLOYERS FEDERATION
	SIA ENGINEERING COMPANY LIMITED	
	Write Software Programs	FESTO PRIVATE LIMITED
	Use Hand Tools	NTUC LEARNINGHUB PTE. LTD.
ST ELECTRONICS (E-SERVICES) PTE. LTD.		
ELECTRONICS INDUSTRIES TRAINING CENTRE		
SINGAPORE NATIONAL EMPLOYERS FEDERATION		
SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.		
SSA CONSULTING GROUP PTE. LTD.		
AIR TRANSPORT TRAINING COLLEGE PTE LTD		
TEMASEK POLYTECHNIC		
SINGAPORE MANUFACTURING FEDERATION		
INSTITUTE OF TECHNICAL EDUCATION		
SIA ENGINEERING COMPANY LIMITED		
Set-up and Operate Coordinate Measuring Machine	CARL ZEISS PTE. LTD. INSTITUTE OF TECHNICAL EDUCATION	
	Perform Aerospace Surface Coating	INSTITUTE OF TECHNICAL EDUCATION
	Perform Aerospace Material Hot Processing	INSTITUTE OF TECHNICAL EDUCATION
	Perform Aerospace Surface Preparation and Finishing	INSTITUTE OF TECHNICAL EDUCATION
	Perform EDM-CNC Wire Cut Machine Operations	INSTITUTE OF TECHNICAL EDUCATION

**Skills Framework for Aerospace**  
**Programmes that broaden or deepen specific skills and knowledge**  
**for the various occupations in the sector**

**Manufacturing**

Occupation:

**Process Specialist / Team Leader**  
**(Engine Build / Machining / Quality Control / Non-Destructive Testing ( Level 2))**

<b>Manufacturing Processes</b>	Perform CNC milling and Programming	SINGAPORE PRECISION ENGINEERING AND TOOLING ASSOCIATION DMG MORI SINGAPORE PTE. LTD. INSTITUTE OF TECHNICAL EDUCATION
	Perform CNC Turning and Programming	DMG MORI SINGAPORE PTE. LTD. INSTITUTE OF TECHNICAL EDUCATION
	Perform Non-Conventional Cutting Process	INSTITUTE OF TECHNICAL EDUCATION
	Perform Aerospace Machining	INSTITUTE OF TECHNICAL EDUCATION
	Apply Collaborative Product Lifecycle Management	CAD-IT CONSULTANTS (ASIA) PTE LTD
	Deploy Collaborative Product Lifecycle Management	CAD-IT CONSULTANTS (ASIA) PTE LTD
	Handle, Inspect and Pack Engines & Components	TEMASEK POLYTECHNIC SIA ENGINEERING COMPANY LIMITED
	Rig & De-rig Engine for Test	TEMASEK POLYTECHNIC SIA ENGINEERING COMPANY LIMITED
	Apply New Engine Build Process	TEMASEK POLYTECHNIC SIA ENGINEERING COMPANY LIMITED
	Administer Collaborative Product Lifecycle Management	CAD-IT CONSULTANTS (ASIA) PTE LTD
	<b>Maintenance</b>	Perform Electrical Terminations and Connections
Perform General Engine Workshop Practice		AVIATIONLEARN PTE. LTD. TEMASEK POLYTECHNIC AIR TRANSPORT TRAINING COLLEGE PTE LTD SIA ENGINEERING COMPANY LIMITED
Perform Electrical Measurements		AIR TRANSPORT TRAINING COLLEGE PTE LTD TEMASEK POLYTECHNIC SINGAPORE POLYTECHNIC SIA ENGINEERING COMPANY LIMITED
Perform Diffusion Bonding of Aerospace Materials		INSTITUTE OF TECHNICAL EDUCATION
Perform Advanced Gas Tungsten Arc Welding		INSTITUTE OF TECHNICAL EDUCATION
Perform Non-Destructive Testing		INSTITUTE OF TECHNICAL EDUCATION
<b>Specialised Processes</b>	Perform Geometrical Tolerancing and Inspection	INSTITUTE OF TECHNICAL EDUCATION
	Apply Quality Systems	AIR TRANSPORT TRAINING COLLEGE PTE LTD TEXTILE AND FASHION INDUSTRY TRAINING CENTRE PTE LTD SINGAPORE TECHNOLOGIES MARINE LTD ELECTRONICS INDUSTRIES TRAINING CENTRE SINGAPORE NATIONAL EMPLOYERS FEDERATION MASS EDUCATION INSTITUTE PTE. LTD. TAT HONG TRAINING SERVICES PTE LTD FESTO PRIVATE LIMITED GLOBAL SCHOOL OF TECHNOLOGY & MANAGEMENT AVANTA GLOBAL PTE. LTD. EDUQUEST INTERNATIONAL INSTITUTE PTE. LTD. FLEXI INDUSTRIAL SAFETY TRAINING PTE. LTD. LEARNERS HUB PTE. LTD. PUBLIC UTILITIES BOARD SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE INSTITUTE OF MATERIALS MANAGEMENT SMF CENTRE FOR CORPORATE LEARNING PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. WONG FONG ACADEMY PTE. LTD. INSTITUTE OF TECHNICAL EDUCATION NANYANG POLYTECHNIC

**Skills Framework for Aerospace**  
**Programmes that broaden or deepen specific skills and knowledge**  
**for the various occupations in the sector**

**Manufacturing**

Occupation:  
**Process Specialist / Team Leader**  
**(Engine Build / Machining / Quality Control / Non-Destructive Testing ( Level 2))**

Quality		PSA CORPORATION LIMITED YOKOGAWA ENGINEERING ASIA PTE LTD SSA CONSULTING GROUP PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SINGAPORE MANUFACTURING FEDERATION INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI SP CONSULTING (INTERNATIONAL) PTE LTD KAPLAN PROFESSIONAL SIA ENGINEERING COMPANY LIMITED SFIC INSTITUTE PTE. LTD.	
	Supervise Quality Procedures	KAPLAN PROFESSIONAL FLEXI INDUSTRIAL SAFETY TRAINING PTE. LTD. MASS EDUCATION INSTITUTE PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE INSTITUTE OF MATERIALS MANAGEMENT SMF CENTRE FOR CORPORATE LEARNING PTE. LTD. TEXTILE AND FASHION INDUSTRY TRAINING CENTRE PTE LTD TRAINING VISION INSTITUTE PTE. LTD. PETROFAC TRAINING INSTITUTE PTE. LTD. SINGAPORE TECHNOLOGIES MARINE LTD SSA CONSULTING GROUP PTE. LTD. AIR TRANSPORT TRAINING COLLEGE PTE LTD ELECTRONICS INDUSTRIES TRAINING CENTRE NTUC LEARNINGHUB PTE. LTD. SINGAPORE MANUFACTURING FEDERATION SINGAPORE NATIONAL EMPLOYERS FEDERATION SINGAPORE POLYTECHNIC YOKOGAWA ENGINEERING ASIA PTE LTD INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI SIA ENGINEERING COMPANY LIMITED TAT HONG TRAINING SERVICES PTE LTD	
	Apply ISO 9001 Quality Management System (QMS) to Audit Requirements	CERTIFICATION INTERNATIONAL (SINGAPORE) PTE LTD TECS FIRE & SAFETY TRAINING PTE. LTD. EQS ASIA PTE LTD	
	Conduct Internal Audit on Management System	ABSOLUTE KINETICS CONSULTANCY PTE LTD CERTIFICATION INTERNATIONAL (SINGAPORE) PTE LTD EQS ASIA PTE LTD TECS FIRE & SAFETY TRAINING PTE. LTD.	
	Perform Geometrical Tolerancing and Inspection	INSTITUTE OF TECHNICAL EDUCATION	
	Apply LEAN Thinking in the Workplace	NEVILLE-CLARKE (SINGAPORE) PTE LIMITED TAT HONG TRAINING SERVICES PTE LTD SIA ENGINEERING COMPANY LIMITED	
	Apply Basic Lean Techniques In The Workplace	NEVILLE-CLARKE (SINGAPORE) PTE LIMITED TAT HONG TRAINING SERVICES PTE LTD SIA ENGINEERING COMPANY LIMITED	
		SINGAPORE POLYTECHNIC KAPLAN PROFESSIONAL FLEXI INDUSTRIAL SAFETY TRAINING PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE INSTITUTE OF MATERIALS MANAGEMENT SINGAPORE MANUFACTURING FEDERATION SMF CENTRE FOR CORPORATE LEARNING PTE. LTD. TEXTILE AND FASHION INDUSTRY TRAINING CENTRE PTE LTD TRAINING VISION INSTITUTE PTE. LTD.	
	Productivity and		

**Skills Framework for Aerospace**  
**Programmes that broaden or deepen specific skills and knowledge**  
**for the various occupations in the sector**

Occupation:	
<b>Manufacturing</b>	
<b>Process Specialist / Team Leader</b> <b>(Engine Build / Machining / Quality Control / Non-Destructive Testing ( Level 2 )</b>	
<b>Innovation</b>	<p>Supervise Work Improvement Processes</p> <p>PETROFAC TRAINING INSTITUTE PTE. LTD.  SINGAPORE TECHNOLOGIES MARINE LTD  SSA CONSULTING GROUP PTE. LTD.  SP TRAINING AND CONSULTANCY COMPANY PTE. LTD.  AIR TRANSPORT TRAINING COLLEGE PTE LTD  ELECTRONICS INDUSTRIES TRAINING CENTRE  SINGAPORE NATIONAL EMPLOYERS FEDERATION  YOKOGAWA ENGINEERING ASIA PTE LTD  INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI  NTUC LEARNINGHUB PTE. LTD.  LIGHTHOUSE GLOBAL TRAINING AND CONSULTANCY PTE. LTD.  SIA ENGINEERING COMPANY LIMITED  TAT HONG TRAINING SERVICES PTE LTD  SP GLOBAL SOLUTIONS PTE. LTD.</p>
<b>Planning and Implementation</b>	<p>Display Critical Thinking and Analytical Skills</p> <p>KAPLAN PROFESSIONAL  CAPELLE ACADEMY PTE. LTD.  INSTITUTE OF SINGAPORE CHARTERED ACCOUNTANTS  SINGAPORE NATIONAL EMPLOYERS FEDERATION  AUSTON INSTITUTE OF MANAGEMENT PTE. LTD.</p>
<b>Workplace Safety and Health</b>	<p>Supervise Workplace Safety and Health Practices</p> <p>MASS EDUCATION INSTITUTE PTE. LTD.  PETROFAC TRAINING INSTITUTE PTE. LTD.  INTEGRATED TRAINING CONSULTANTS PTE. LTD.  SINGAPORE INSTITUTE OF MATERIALS MANAGEMENT  SP TRAINING AND CONSULTANCY COMPANY PTE. LTD.  SMF CENTRE FOR CORPORATE LEARNING PTE. LTD.  DAIKIN AIRCONDITIONING (SINGAPORE) PTE. LTD.  TEMASEK POLYTECHNIC  AIR TRANSPORT TRAINING COLLEGE PTE LTD  ELECTRONICS INDUSTRIES TRAINING CENTRE  NTUC LEARNINGHUB PTE. LTD.  SINGAPORE MANUFACTURING FEDERATION  SINGAPORE POLYTECHNIC  SSA CONSULTING GROUP PTE. LTD.  YOKOGAWA ENGINEERING ASIA PTE LTD  INSTITUTE OF PROCESS INDUSTRY (IPI) - A DIVISION OF ASPRI  FLEXI INDUSTRIAL SAFETY TRAINING PTE. LTD.  SINGAPORE TECHNOLOGIES MARINE LTD  TAT HONG TRAINING SERVICES PTE LTD  SIA ENGINEERING COMPANY LIMITED  SP GLOBAL SOLUTIONS PTE. LTD.</p> <p>Perform Basic Safety Practices and Documentation</p> <p>TEMASEK POLYTECHNIC  SINGAPORE POLYTECHNIC  MIL-COM AEROSPACE PTE LTD  AVIATIONLEARN PTE. LTD.  SIA ENGINEERING COMPANY LIMITED  AIR TRANSPORT TRAINING COLLEGE PTE LTD</p>
	<p>MENDAKI SOCIAL ENTERPRISE NETWORK SINGAPORE PTE. LTD.  CAPELLE ACADEMY PTE. LTD.  SINGAPORE NATIONAL EMPLOYERS FEDERATION  COMAT TRAINING SERVICES PTE LTD  EBEN CONSULTANTS (FAR EAST) PTE LTD  IMAGE INSTITUTE OF LEARNING AND DEVELOPMENT PTE. LTD.  LIGHTHOUSE GLOBAL TRAINING AND CONSULTANCY PTE. LTD.</p>

**Skills Framework for Aerospace**  
**Programmes that broaden or deepen specific skills and knowledge**  
**for the various occupations in the sector**

**Manufacturing**

Occupation:  
**Process Specialist / Team Leader**  
**(Engine Build / Machining / Quality Control / Non-Destructive Testing ( Level 2 )**

<b>People Management and Development</b>	Develop Personal Effectiveness at Operations Level	NTUC LEARNINGHUB PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. TRILLION TRAINING (S) PTE LTD TRAINING CONSULTANCY KAPLAN PROFESSIONAL NATC INSTITUTE PTE. LTD. INTEGRATED LEARNING SYSTEMS PTE LTD CIVIL SERVICE COLLEGE IMAGE INTERNATIONAL (S) PTE. LTD. WEALTH HUB PTE. LTD. EAGLE INFOTECH CONSULTANTS PTE LTD
	Maintain Personal Presentation and Employability at Operations Level	KAPLAN PROFESSIONAL MENDAKI SOCIAL ENTERPRISE NETWORK SINGAPORE PTE. LTD. AGB EDUCATION CENTRE PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD.
	Apply Emotional Competence to Manage Self at the Workplace	LIGHTHOUSE GLOBAL TRAINING AND CONSULTANCY PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. KAPLAN PROFESSIONAL EAGLE INFOTECH CONSULTANTS PTE LTD
	Adapt to Change	EBEN CONSULTANTS (FAR EAST) PTE LTD MENDAKI SOCIAL ENTERPRISE NETWORK SINGAPORE PTE. LTD. NTUC LEARNINGHUB PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. KAPLAN PROFESSIONAL INTEGRATED LEARNING SYSTEMS PTE LTD CIVIL SERVICE COLLEGE EAGLE INFOTECH CONSULTANTS PTE LTD
<b>People and Relationship Management</b>	Lead Workplace Communication and Engagement	IMAGE INSTITUTE OF LEARNING AND DEVELOPMENT PTE. LTD. SINGAPORE INSTITUTE OF MANAGEMENT (SIM) KAPLAN PROFESSIONAL TRAINING VISION INSTITUTE PTE. LTD. EBEN CONSULTANTS (FAR EAST) PTE LTD INSTITUTE OF SINGAPORE CHARTERED ACCOUNTANTS Ngee ANN POLYTECHNIC SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION SSA CONSULTING GROUP PTE. LTD. NTUC LEARNINGHUB PTE. LTD. CAPELLE ACADEMY PTE. LTD. SINGAPORE POLYTECHNIC THE SINGAPORE CONTRACTORS ASSOCIATION LIMITED SINGAPORE INSTITUTION OF SAFETY OFFICERS (SISO) BUILDING AND CONSTRUCTION AUTHORITY

**Skills Framework for Aerospace**  
**Programmes that broaden or deepen specific skills and knowledge**  
**for the various occupations in the sector**

**Manufacturing**

Occupation:  
**Process Specialist / Team Leader**  
**(Engine Build / Machining / Quality Control / Non-Destructive Testing ( Level 2 )**

	Develop a Work Team	ROHEI CORPORATION PTE. LTD. SSA CONSULTING GROUP PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION SINGAPORE INSTITUTE OF MANAGEMENT (SIM) KAPLAN PROFESSIONAL CAPELLE ACADEMY PTE. LTD.
<b>Analytical,          Conceptual and          Evaluative</b>	Solve Problems and Make Decisions at Supervisory Level	GREENSAFE INTERNATIONAL PTE. LTD. SINGAPORE INSTITUTION OF SAFETY OFFICERS (SISO) NTUC LEARNINGHUB PTE. LTD. SINGAPORE POLYTECHNIC MENDAKI SOCIAL ENTERPRISE NETWORK SINGAPORE PTE. LTD. EVEREST INNOVATION PTE. LTD. KAPLAN PROFESSIONAL CIVIL SERVICE COLLEGE INTEGRATED LEARNING SYSTEMS PTE LTD AVANTA GLOBAL PTE. LTD. CAPELLE ACADEMY PTE. LTD. COMAT TRAINING SERVICES PTE LTD E-SQUARE COMMUNICATION & MANAGEMENT TRAINING CONSULTANCY NANYANG POLYTECHNIC Ngee ANN POLYTECHNIC PHARMACEUTICAL SOCIETY OF SINGAPORE SERVICE QUALITY CENTRE PTE. LTD. SINGAPORE NATIONAL EMPLOYERS FEDERATION ST ELECTRONICS (E-SERVICES) PTE. LTD. TRAINING VISION INSTITUTE PTE. LTD. TRILLION TRAINING (S) PTE LTD U-TRAINING CENTRE PTE. LTD. LIGHTHOUSE GLOBAL TRAINING AND CONSULTANCY PTE. LTD. CBM PTE. LTD. SSA CONSULTING GROUP PTE. LTD. EAGLE INFOTECH CONSULTANTS PTE LTD