

SKILLS FRAMEWORK FOR ENGINEERING SERVICES SKILLS MAP – TECHNICIAN/COORDINATOR (ENGINEERING CONSTRUCTION)			
Sector	Engineering Services		
Track	Engineering Construction and Commissioning		
Occupation	Associate Professional and Technician		
Job Role	Technician/Coordinator (Engineering Construction)		
Job Role Description	<p>The Technician/Coordinator (Engineering Construction) assists with supervision of installation and assembly works for equipment, components and systems. He/She coordinates with contractors, prepares technical documents and monitors compliance with quality and safety standards and regulations. He also assists with mechanical completion activities. He specialises in mechanical, electrical, control and instrumentation, civil, structural or geotechnical engineering disciplines.</p> <p>He is a good team player, interacts effectively with others, and has good coordination skills. He works on-site and is expected to travel occasionally to project locations.</p>		
Critical Work Functions and Key Tasks / Performance Expectations	Critical Work Functions	Key Tasks	Performance Expectations* (For legislated / regulated occupations)
	Manage execution of engineering construction projects	Monitor execution of engineering construction activities in line with construction sequence	In accordance with: • Workplace Safety and Health (WSH) Act; • Building Control Act; • Electricity Act; • Fire Safety Act
		Assist with soliciting required work permits and approvals based on regulatory and legislative prerequisites	
	Oversee installation of equipment, components and systems	Assist with monitoring installation and assembly of equipment, components and systems	
		Track incidences of technical deviation from design specifications	
		Coordinate with contractors for engineering construction activities	
		Maintain record of compliance with quality standards and guidelines	
	Conduct mechanical completion activities	Support checks and inspections to validate completion of installation in line with project requirements	
		Prepare equipment, components and systems for functional and technical tests	
		Track status of outstanding punch list items	
		Assist in performing compliance checks against applicable codes,	

		regulations and relevant authority requirements		
		Assist in preparation of technical documents for mechanical completion		
	Manage health, safety and environment	Comply with the organisational Workplace Safety and Health (WSH) policies and Environmental Management Systems (EMS)		
		Coordinate with contractors to ensure compliance with the organisational WSH and EMS standards and practices		
	Report accidents and incidents in accordance with WSH and EMS standards and practices	*Performance Expectations are non-exhaustive and subject to prevailing regulations		
Skills & Competencies	Technical Skills & Competencies		Generic Skills & Competencies (Top 5)	
	Continuous Improvement Management	Level 2	Problem Solving	Intermediate
	Data and Statistical Analytics	Level 1	Teamwork	Basic
	Engineering Drawing Interpretation and Management	Level 1	Communication	Intermediate
	Environmental Management System Framework Development and Implementation	Level 1	Digital Literacy	Basic
	Equipment and Systems Testing	Level 2	Interpersonal Skills	Basic
	Hazards and Risk Identification and Management	Level 1		
	Installation and Assembly	Level 2		
	Inventory Management	Level 3		
	Programme Management	Level 1		
	Quality System Management	Level 2		
	Structural Testing	Level 2		
	Technical Inspection	Level 2		
	Technical Writing	Level 2		
	Technology Application	Level 2		
Third Party Management	Level 2			

	Workplace Safety and Health Culture Development	Level 2	
	Workplace Safety and Health Framework Development and Implementation	Level 1	
Programme Listing	For a list of Training Programmes available for the Engineering Services sector, please visit: www.skillsfuture.sg/skills-framework/engineeringservices		

The information contained in this document serves as a guide.