

<b>SKILLS FRAMEWORK FOR ENGINEERING SERVICES</b> <b>SKILLS MAP – TECHNICIAN/COORDINATOR (COMMISSIONING)</b>				
<b>Sector</b>	Engineering Services			
<b>Track</b>	Engineering Construction and Commissioning			
<b>Occupation</b>	Associate Professional and Technician			
<b>Job Role</b>	<b>Technician/Coordinator (Commissioning)</b>			
<b>Job Role Description</b>	<p>The Technician/Coordinator (Commissioning) is responsible for coordinating commissioning activities to ensure that all equipment, components and systems are functional and in optimal operating conditions. He/She works under supervision, supports inspections, testing and documentation of commissioning activities. He complies with statutory policies, procedures and regulations, and adheres to Workplace Health and Safety (WSH) requirements. 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>			
<b>Critical Work Functions and Key Tasks / Performance Expectations</b>	<b>Critical Work Functions</b>	Conduct commissioning planning	<b>Key Tasks</b>	<b>Performance Expectations* (For legislated / regulated occupations)</b>
			Identify equipment, systems and assemblies to be commissioned	
			Assist with identification of commissioning requirements	
	Commission equipment, systems and assemblies	Provide inputs on relevant test cases, test wares and test scripts for functional tests		
		Coordinate with design teams for review of engineering design submittals		
		Schedule commissioning meetings and site visits		
		Assist in preparation of construction checklists		
		Prepare equipment, systems and assemblies prior to functional and technical tests		
		Schedule surveys, inspections and tests for vendors and external stakeholders		
		Maintain updated commissioning issues log		
	Record data related to commissioning activities and findings			

	Conduct handover and initial start-up	Support pre-start-up safety reviews (PSSR)		
		Prepare master list of commissioned equipment, systems and assemblies		
		Support orientation, demonstration and training for owners and operations and maintenance personnel		
		Support commissioning activities during initial start-up and ramp-up periods		
	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				
<b>Skills &amp; Competencies</b>	<b>Technical Skills &amp; Competencies</b>		<b>Generic Skills &amp; Competencies (Top 5)</b>	
	Commissioning and Start-Up Management	Level 2	Problem Solving	Intermediate
	Continuous Improvement Management	Level 2	Communication	Intermediate
	Data and Statistical Analytics	Level 1	Teamwork	Basic
	Engineering Drawing Interpretation and Management	Level 1	Interpersonal Skills	Intermediate
	Environmental Management System Framework Development and Implementation	Level 1	Service Orientation	Basic
	Equipment and Systems Testing	Level 2		
	Hazards and Risk Identification and Management	Level 1		
	Programme Management	Level 1		
	Quality System Management	Level 2		
	Structural Testing	Level 2		
	Technical Inspection	Level 2		

\*Performance Expectations are non-exhaustive and subject to prevailing regulations

	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	
<b>Programme Listing</b>	For a list of Training Programmes available for the Engineering Services sector, please visit: <a href="http://www.skillsfuture.sg/skills-framework/engineeringservices">www.skillsfuture.sg/skills-framework/engineeringservices</a>		

The information contained in this document serves as a guide.