	POV	VER ENGINEERING COMPETENCY FI	RAMEWORK			
_		- Senior Engineer / Engineer / Assist	ant Project Manager			
Track	Power Engineering in the Public Service Engineering / Project Management					
	Electrical Engineer					
ah Role Description	Senior Engineer / Engineer / Assistant Project Manager The Senior Engineer / Assistant Project Manager The Senior Engineer / Engineer / Assistant Project Manager is responsible for coordinating the design, construction, commissioning, and operations and maintenance for electrical and power projects. He/She defines project scope, goals and objectives in collaboration with technical personnel and liaises with them for developing project plans. He monitors project progress as per technical specifications and cost, time and quality requirements and condinates project reviews for compliance with regulator requirements and industry standards. He also prepares the budget performance and cash flow monthly progress reports He liaises with public sector agencies, internal and external stakeholders, and contractors for electrical and power projects. He also conducts tendering exercises and facilitates contractor selection and awarding of contracts. He assesses contractor works and performance for compliance with contract terms, technical standards and facilitates contractor selection and awarding of contracts. He assesses contractor works and performance for and implemente Permit the Work Stetmers. To drive doeschopsiont					
	regulatory requirements. He implements continuous improvement initiatives to improve workplace safety and implements Permit-to-Wok Systems. To drive decarbonisation decentralisation and digitalisation initiatives, he recommends innovation initiatives and implements green initiatives. He possesses good interpersonal and communication skills in liaising with agencies and stakeholders to implement electrical and power projects. In addition, he is systematic, safety-conscious and solution-oriented in implementing projects in line with requirements.					
	Critical Work Functions	Кеу	Tasks	Performance Expectations (For legislated / regulated occupations)		
	Manage power generation and/or distribution projects	Coordinate the design, construction, c maintenance for electrical and power		In accordance with: - Electricity Act including subsidiary legislations - Energy Market Authority of Singapore Act - International Electrotechnical Commission (IEC) Standards - International Organization for Standardisation (ISO) Standards - Singapore Standards for Electrical ar Power sector - Workplace Safety and Health (WSH) Act * Performance Expectations are non- exhaustive and subject to prevailing regulations and industry standards		
		Define project scope, goals and object personnel	tives in collaboration with technical			
		Liaise with stakeholders for developin timeline, quality, and success metrics	g project plans including budget,			
		Monitor staffing and resource availabi	ity to support project implementation			
		Monitor project progress as per techni quality requirements	cal specifications and cost, time and			
		Coordinate project reviews for complia industry standards	ance with regulatory requirements and			
		Identify issues and risks for a specifie	d functional area within a project			
		Prepare budget performance and cas	h flow monthly progress reports			
	Manage key stakeholders / Manage contractors	Liaise with public sector agencies for	electrical and power projects			
		Liaise with internal and external stake	holders	_		
		Conduct tendering exercises for electrical and power projects Facilitate contractor selection and the awarding of contracts according to agency requirements Assess contractor works across functions for fulfilment of contract terms		-		
Critical Work Functions and Key						
asks / Performance Expectations						
		Assess contractor performance and compliance with technical standards and codes of practice				
	Manage safety, health and environment	Implement continuous improvement projects to improve safety in the workplace				
		Review safe work practices for contra				
		Monitor workplace adherence to relevant sector regulations and codes of practice				
		Implement policies and standard operating procedures for Permit-to-Work systems				
		Ensure compliance with the agency's environmental sustainability practices, policies and procedures Keep abreast of national energy and power policies, strategies and				
	Contribute to decarbonisation, decentralisation and digitalisation initiatives	frameworks		-		
		Implement innovation and process improvement initiatives to leverage new electrical and power technologies Conduct feasibility studies and assessments of new electrical and power		-		
		technologies				
		Implement green initiatives and sustainability programmes				
		Oversee initiatives for implementation of distributed power technologies Analyse data for identification of operational and strategic insights				
Skills &	Technical Skills and C	Core Skills				
Competencies						

	Continuous Improvement Management	Level 4	Communication	Intermediate	
	Contract and Contractor Management	Level 3	Problem Solving	Intermediate	
	Cybersecurity Framework Application	Level 3	Transdisciplinary Thinking	Basic	
	Emergency Response and Crisis Management	Level 4	Decision Making	Basic	
	Engineering Problem Solving	Level 4	Customer Orientation	Intermediate	
	Engineering Safety Standards Interpretation	Level 4	Building Diversity	Basic	
	Environmental Sustainability Management	Level 4	Digital Fluency	Intermediate	
	Equipment and Systems Installation and Commissioning	Level 3	Developing People	Basic	
	Innovation Management	Level 4	Adaptability	Intermediate	
	Inter-agency Collaboration	Level 4	Influence	Intermediate	
	Modelling, Simulation and Visualisation	Level 3	Self Management	Intermediate	
	Organisational Resource Management	Level 4			
	Power Engineering Management	Level 4	-		
	Project Management	Level 4	-		
	Regulatory Compliance and Risk Management	Level 4	-		
	Renewable Energy Technologies Application	Level 4	-		
	Smart Grid Implementation	Level 4	-		
	Stakeholder Management	Level 4	-		
	Strategy Development	Level 4			
	Technical Inspection	Level 3			
	Technology and Systems Application	Level 4			
	Workplace Safety and Health Framework Implementation	Level 4			
Programme Listing	For a list of training programmes available for the Power Engineers in the Public Service, please refer to separate document on training courses.				

The information contained in this document serves as a guide.