	POW	VER ENGINEERING COMPETENCY FR	RAMEWORK					
	SKILLS MAP - Senior Associate	Engineer / Associate Engineer (Syste	m Stability & Planning / System Contr	ol)				
Sector	SKILLS MAP - Senior Associate Engineer / Associate Engineer (System Stability & Planning / System Control) Power Engineering in the Public Service							
Track Occupation	Monitoring & Control Assistant Electrical Engineer							
Job Role	•	ate Engineer / Associate Engineer (S	ystem Stability & Planning / System C	ontrol)				
Job Role Description	The Deputy Director / Senior Specialist / Specialist power system. He/She advises on plans and schedevelopment Plan. He provides expert advice on enhancing power plasupply of electricity. He also approves mitigating matechnologies with the power system. Further, he are in the sector.	dules to ensure adequate generation ca ant performance and optimising real-tim leasures to minimise system issues. He	apacity and leads the review of the licen e monitoring and remote control of the p advises on strategies for adoption of b	see's Ten-Year Transmission Network ower system to ensure secure and reliable est practices and integration of new				
	He possesses good leadership and interpersonal spolicies, strategies and frameworks to balance eco			ontributes to national energy and power				
	Critical Work Functions	Key	Tasks	Performance Expectations (For legislated / regulated occupations)*				
		Propose Planting Strategy, Generation ensure adequate generation capacity	Planting Schedule and Strategy to					
		Coordinate the review of licensee's Te Development Plan for adherence to th Code		legislations - Energy Market Authority of Singapore				
	Manage power system stability and planning		plant and consumer connections to the	- International Electrotechnical Commission (IEC) Standards				
		Conduct on-site witnessing of generat reviewing power plant performance	or testing and post-mortem studies for	per advice to ensure the stability of the censee's Ten-Year Transmission Network the power system to ensure secure and reliable for best practices and integration of new on, decentralisation and digitalisation initiative the power system to ensure secure and reliable for the practices and integration of new on, decentralisation and digitalisation initiative the properties of the control of the properties				
Critical Work Functions and Key Tasks / Performance		Support system studies on the integration of new transmission/generation technologies with the power system		- Workplace Safety and Health (WSH) Act				
		Assist in real-time monitoring and remote control of the power system to ensure secure and reliable supply of electricity		exhaustive and subject to prevailing				
Expectations	Monitor and control power system operations		wer plant and consumer connections to the herator testing and post-mortem studies for see egration of new transmission/generation immeremote control of the power system to vor electricity assessment of equipment outage requests ansees to increase their output and send out ration on transmission equipment and power policies, strategies and exertical and power technologies sing clean and renewable energy					
		advisory to the market						
		Coordinate remote switching operation						
		Keep abreast of national energy and p frameworks	ower policies, strategies and					
	Contribute to decarbonisation, decentralisation and digitalisation initiatives	Gather data on latest trends in electrical and power technologies						
		Gather data for green initiatives using	clean and renewable energy					
		Record data for operational analytics						
Skills & Competencies	Technical Skills and Co	ompetencies	Critical	Core Skills				
	Battery Systems Management	Level 2	Collaboration	Basic				
	Business Intelligence and Data Analytics	Level 2	Problem Solving	Basic				
	Continuous Improvement Management	Level 3	Sense-Making	Basic				
	Contract and Contractor Management	Level 2	Communication	Basic				
	Cybersecurity Framework Application	Level 2	Digital Fluency	Basic				
	Distributed Generation System Performance Monitoring	Level 3	Customer Orientation	Basic				
	Electrical Equipment and Systems Testing	Level 2	Adaptability	Basic				
	Electrical Systems Design	Level 2	Influence	Basic				
	Electricity Network Incident Management	Level 2	Self Management	Basic				
	Electricity Network Operations Management	Level 2						
	Electricity Network Performance Monitoring	Level 2						
	Electricity Network Planning	Level 2						
	Emergency Response and Crisis Management	Level 3						
	Engineering Problem Solving	Level 3						
	Engineering Safety Standards Interpretation	Level 3						
	Environmental Sustainability Management	Level 3						

Technical Inspection Technology and Systems Application	Level 2
Stakeholder Management	Level 3
Regulatory Compliance and Risk Management	Level 3
Regulatory Advisory	Level 3
Power System Monitoring and Control Management	Level 3
Power Strategy Planning and Governance	Level 3
Power Quality Management	Level 3
Power Plant Inspection	Level 2
Power Plant Incident Investigation	Level 2
Power Engineering Management	Level 3
Modelling, Simulation and Visualisation	Level 2
Internet of Things (IoT) Application	Level 3
Inter-agency Collaboration	Level 3
Equipment and Systems Installation and Commissioning	Level 2

The information contained in this document serves as a guide.