POWER ENGINEERING COMPETENCY FRAMEWORK FOR POWER ENGINEERING PROFESSIONALS IN PUBLIC SERVICE TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT

TSC Category	Power Systems Monitoring and Control									
TSC Title	Operational Technology Security Management									
TSC Description	Manage the operational technology security frameworks, systems, procedures and risk mitigation plans to ensure that daily operations are well protected against risks, threats and vulnerabilities									
TSC Proficiency	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6				
Description				<insert code="" tsc=""></insert>	<insert code="" tsc=""></insert>	<insert code="" tsc=""></insert>				
				Implement and maintain operational technology security frameworks, systems, procedures and risk mitigation plans	Develop the operational technology security frameworks, systems, procedures and risk mitigation plans and recommend improvements	Set the strategy for the operational technology security frameworks, systems, risk management and process improvements				
Knowledge				 Organisation operational technology security procedures Implementation process and considerations for operational technology security policies and protocols Types of operational technology security controls and implementation procedures Techniques for assessment of processes against operational technology security standards Relevant regulations, industry standards, codes of practice and safety procedures 	 Operational technology security threat analysis and system vulnerabilities Operational technology security policies operational technology security frameworks Communications of operational technology security standards Relevant regulations, industry standards, codes of practice and safety procedures 	 Potential threats to organisational operational technology security Emerging trends and developments in operational technology security management and practices Industry standards and best practices for organisational security Impact of changes in operational technology security protocols on the organisation Industry best practices and benchmarks for operations security framework Relevant regulations, industry standards, codes of practice and safety procedures 				

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Abilities	 Inspect adherence of applications and infrastructure components to operational technology security risks, threats and unlerabilities and analyse gaps in current organisational security and integrity standards or issues that may endanger operational technology security policies Analyse lapses in organisational security and integrity and integrity and integrity apps and tools that can address operational technology are well protected Evaluate technologies and tools that can address operational technology security policies based on operational technology are well protected Review improvements, updates or modifications to current operational technology security policies and transworks Implement operational technology security policies and protocols, ensuring understanding and compliance Analyse the adequacy of operational technology security policies and tools to monitor, guide and maximise compliance with operational technology security policies and inplementation of operational technology security protecties Dirtoduce operational technology security policies and practices, to address processes and tools to monitor, guide and maximise compliance with operational technology security policies and inplementation of operational technology security protecties Dirtoduce operational technology security policies and practices, to address processes and tools to monitor, guide and maximise compliance with operational technology security policies and inplementation of operational technology security proteools Establish internal processes solutions or revisions to operational technology security proteools Establish internal processes or review are quacy of operational technology security proteools Establish internal technology security proteools Est
Range of Application	Range of application includes, but is not limited to:
	 Power Generation Distributed Power Generation Dewer Transmission and Distribution Naturals
	Power Transmission and Distribution Network

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		•	Systems used in transmission netw management, including but not limit information technology (IT) and ope substation remote control unit (RCL system, distributed generator monit systems (FACTS), and supervisory
			systems

work system planning, control and ited to: energy management systems, erational technology (OT) systems, U) systems, interruptible load monitoring itoring system, flexible AC transmission y control and data acquisition (SCADA)