

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

TSC Category	Policy Management and Governance					
TSC Title	Power Strategy Planning and Governance					
TSC Description	Define power sector strategies and governance processes, systems and rules to drive a balance in energy security, economic competitiveness and environmental sustainability					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			<Insert TSC Code>	<Insert TSC Code>	<Insert TSC Code>	<Insert TSC Code>
			Apply knowledge of power sector strategies and governance processes in day-to-day activities	Implement strategies and governance processes, systems and rules across public and private sector organisations	Review strategies and governance processes, system and rules to ensure balance in energy security, economic competitiveness and environmental sustainability	Establish strategies and governance framework to drive balance in energy security, economic competitiveness and environmental sustainability
Knowledge			<ul style="list-style-type: none"> Power sector value chain Governance functions in the power sector Roles and responsibilities of governing bodies in the power sector Inter-organisational communications strategies and protocols Relevant regulations, industry standards, and codes of practice 	<ul style="list-style-type: none"> Power sector value chain Governance functions in the power sector Governance procedures, systems of control and performance reporting Principles and practices of effective governance Roles and responsibilities of governing bodies in the power sector Inter-organisational communications strategies and protocols Types of metrics and standards for evaluating governance practices Relevant regulations, industry standards, and codes of practice 	<ul style="list-style-type: none"> Power sector value chain and current and future priorities of the power sector Governance functions, procedures, systems of control and performance reporting Principles and practices of effective governance Roles and responsibilities of governing bodies in the power sector Organisational linkages between public and private sector Types of metrics and standards for evaluating governance practices Compliance matters, code of governance and relevant industry regulatory frameworks Pro-3D (decarbonisation, decentralisation and digitalisation) initiatives 	<ul style="list-style-type: none"> Trends, practices, new developments and emerging needs in the power sector Implications of regional and global changes on the power sector in Singapore Agency and national level power sector strategies Current and future needs and priorities of the power sector Pro-3D (decarbonisation, decentralisation and digitalisation) policies and practices Whole-of-government principles and processes, and priorities within the power sector Power sector governance structures, processes, systems and rules Power governance and strategy planning in

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					<ul style="list-style-type: none"> • Relevant stakeholders in strategy and governance processes • Relevant regulations, industry standards, and codes of practice 	<ul style="list-style-type: none"> • leading global power hubs • Tools and techniques for influencing policymakers and power sector stakeholders • Relevant regulations, industry standards, and codes of practice
Abilities			<ul style="list-style-type: none"> • Identify governance processes performance requirements • Implement governance processes, systems and rules • Gather information from relevant stakeholders • Prepare power sector governance reports • Highlight areas of non-compliance • Identify relevant regulations, industry standards, and codes of practice 	<ul style="list-style-type: none"> • Analyse sector practices to identify governance obligations and performance requirements • Translate requirements from governance frameworks into implementation plans • Implement governance processes, systems and rules • Engage and gather information from relevant stakeholders • Prepare power sector governance reports and review processes • Analyse areas of non-compliance and propose corrective actions • Develop risk mitigation approaches to deal with issues and risk of non-compliances • Review compliance with relevant regulations, industry standards, and codes of practice 	<ul style="list-style-type: none"> • Assess existing decarbonisation, decentralisation and digitalisation practices • Develop governance standards and practices based on sectoral policies and guidelines in alignment with code of governance and relevant regulatory requirements • Develop procedures for monitoring governance practices in line with the standards and metrics developed • Facilitate review of internal policies, systems and controls to ensure their effectiveness • Analyse power sector governance reports and review processes to assess whether they meet requirements based on the metrics • Identify areas of non-compliance and highlight areas for improvement • Analyse the political, technological, social and economic environment and take into account emerging trends, and 	<ul style="list-style-type: none"> • Define power sector governance structures, processes, systems and rules • Review global trends and macroeconomic developments to inform strategic decisions • Define strategies to balance in energy security, economic competitiveness and environmental sustainability in the power sector • Establish relevant systems of internal control, performance reporting and policies and procedures • Inform development of strategy and governance frameworks by examining plans in the context of whole-of-government priorities and policy agendas • Establish policies and guidelines for governance that are aligned with sector objectives and stakeholder interests • Formulate governance structures and legal

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					<p>current and future goals of the power sector</p> <ul style="list-style-type: none"> • Reflect comprehensive and up-to-date knowledge of the current environment in decisions, advice and actions • Review current state of energy security, economic competitiveness and environmental sustainability in the power sector • Manage compliance with relevant regulations, industry standards, and codes of practice 	<p>processes taking into consideration industry and market leading practices in relation to the respective regulatory requirements and code of governance</p> <ul style="list-style-type: none"> • Review relevance of existing governance processes • Achieve strategic alignment through assessment of cross-agency, whole-of-government agenda, developments and influences • Shape government policies to support the strategic direction of the power sector
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