

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

<b>TSC Category</b>	Health and Safety Management					
<b>TSC Title</b>	Engineering Safety Standards Interpretation					
<b>TSC Description</b>	Implement appropriate engineering safety standards in accordance with legislative requirements and industry best practices					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
			<Insert TSC Code>	<Insert TSC Code>	<Insert TSC Code>	
			Interpret engineering safety standards to conduct safety reviews and implement safety controls for electrical equipment, systems and networks	Identify and recommend appropriate engineering safety standards for electrical equipment, systems and networks	Validate engineering safety standards for electrical equipment, systems and networks in accordance with legislative requirements and industry best practices	
<b>Knowledge</b>			<ul style="list-style-type: none"> <li>• Engineering safety standards, principles and practices</li> <li>• Design engineering safeguarding principles and practices</li> <li>• Local and international safety engineering codes and standards</li> <li>• Industry regulations and legislative compliance requirements</li> </ul>	<ul style="list-style-type: none"> <li>• Engineering safety standards, principles and practices</li> <li>• Design engineering safeguarding principles and practices</li> <li>• Quantitative and qualitative analysis techniques</li> <li>• Local and international safety engineering codes and standards</li> <li>• Industry regulations and legislative compliance requirements</li> <li>• Safety review techniques and processes</li> <li>• Audit requirements and processes</li> </ul>	<ul style="list-style-type: none"> <li>• Local and international engineering safety standards and codes of practice</li> <li>• Equipment safety certification standards</li> <li>• Safety and reliability including problematic risk assessment methods</li> <li>• Design engineering preventive techniques</li> <li>• Equipment redundancy and backup techniques</li> <li>• Industry regulations and legislative compliance requirements</li> <li>• Safety review techniques and processes</li> <li>• Audit requirements and processes</li> <li>• Impact on public health and safety</li> </ul>	
<b>Abilities</b>			<ul style="list-style-type: none"> <li>• Interpret engineering safety and safeguarding standards</li> <li>• Oversee implementation of engineering safety standards for existing systems and equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Analyse and select relevant and appropriate engineering safety and safeguarding standards and codes to meet project objectives</li> </ul>	<ul style="list-style-type: none"> <li>• Validate the implementation of safety and safeguarding standards in accordance with local and international legislative requirements and industry best practices</li> </ul>	

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

			<ul style="list-style-type: none"> <li>• Oversee implementation of safety and safeguarding engineering solutions</li> <li>• Apply industry and organisational engineering safety standards and codes</li> <li>• Conduct safety reviews for equipment, components and systems</li> </ul>	<ul style="list-style-type: none"> <li>• Identify possible conflicts of standards and recommend solutions</li> <li>• Recommend safety and safeguarding engineering solutions</li> <li>• Conduct safety reviews for equipment, components and systems</li> <li>• Ensure compliance with regulations, standards and codes of practice</li> </ul>	<ul style="list-style-type: none"> <li>• Deploy advanced techniques and modelling techniques for safety reviews</li> <li>• Evaluate the effectiveness and reliability of safety control and safeguarding systems</li> <li>• Evaluate preventive techniques and practices for systems and equipment</li> <li>• Drive continuous improvement teams in the design and implementation of engineering safety improvements</li> </ul>	
--	--	--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--