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

TSC Category	Digitalisation					
TSC Title	Technology and Systems Application					
TSC Description	Apply and integrate new and emerging technologies with the agency's operations or processes to achieve desired outcomes					
TSC Proficiency Description	**Level 1**	**Level 2**	**Level 3**	**Level 4**	**Level 5**	**Level 6**
		<Insert TSC Code>	**<Insert TSC Code>**	**<Insert TSC Code>**		
		Apply evaluated technologies in day-to-day operations and processes	Implement evaluated technology integration plans	Develop plans for integration of evaluated technologies with the agency's operations and processes		
Knowledge		• Day-to-day operations support procedures • Application administration such as user creation and sanction	• Technology and systems architectures • Technology and systems installation and troubleshooting methods • Organisational business processes • Technology and systems integration frameworks	• Technology integration frameworks • Control procedures for technology integration • Risk assessment methods and procedures to support business continuity and disaster recovery		
Abilities		• Support technology implementation plans • Apply technologies and systems for day-to-day operations and processes • Support applications of evaluated technologies with basic troubleshooting	• Implement evaluated technology integration plans to address business requirements • Implement performance diagnostics and troubleshooting • Analyse areas for improvement in technology applications	• Develop evaluated technology implementation approaches, schedules and integration tools • Develop business processes with application of integrated technology and systems • Review and monitor success of technology integration using key performance metrics • Develop and facilitate standard control procedures for risk management, business continuity and disaster recovery • Develop optimisation plans to improve technology applications in business operations		
Range of Application		Range of application includes, but is not limited to: • Cloud computing systems • Supervisory Control and Data Acquisition (SCADA)				

		• Systems, Applications and Products (SAP), customer relationship management and other business operations management platforms • Virtual communication software • Uninterruptible Power Systems (UPS) • Programmable Logic Control		