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

TSC Category	Energy Operations Manageme	ent			
TSC Title	Distributed Generation System	n Performance Monitoring	l		
TSC Description	Manage performance of distrib	outed generation systems	and equipment such as solar, energ	y storage systems and power of	generators to impro
TSC Proficiency	Level 1	Level 2	Level 3	Level 4	Level {
Description			<insert code="" tsc=""></insert>	<insert code="" tsc=""></insert>	<insert td="" tsc<=""></insert>
			Monitor performance of distributed generation systems and equipment	Review distributed generation systems and equipment performance reports for areas of improvements	Recommend solut improve performa distributed genera systems and equi
Knowledge			 Distributed generation equipment metrics and relevant industry standards Parameters of distributed generation systems and equipment Components of performance reports on generation processes Data visualisation techniques Data acquisition systems 	 Distributed generation system and equipment metrics and relevant industry standards Maintenance performance indicators for distributed generation systems and equipment Distributed generation efficiency ratios Metric analysis methods 	 Distributed ge equipment me relevant indus standards Distributed ge performance r Best practices distributed ger performance improvement Key industry tr distributed ger Regulations of distributed ger systems and e Environmenta consequences distributed ger system or equireplacement

ove operation	al efficiency
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Abilities		•	Collect and record appropriate data for	•	Analyse performance reports for relevant	•	Review perforr reports, releva
			calculating distributed generation systems and equipment metrics	•	insights Review performance reports and data against		and indicators formulate and strategies for o
		•	equipment metrics Calculate distributed generation systems and equipment metrics according to the applicable industry standards for analysis Interpret and convert relevant data into graphical or pictorial format for analyses Highlight deviations in distributed generation systems and equipment performance Generate reports for distributed generation	•	reports and data against relevant metrics Recommend enhancements for maintenance from distributed generation systems and equipment performance reports Recommend replacement of equipment and components from distributed generation system and equipment performance reports Calculate relevant efficiency ratios and	•	strategies for of generation system equipment to reperformance Provide recommendati infusing best point improve operate efficiency Review mainted and performant improvement point adherence to read and the agence business policies strategy Set framework
			systems and equipment performance		maintenance performance indicators to identify areas of performance improvement		criteria for ma and replaceme distributed ger systems and e

performance relevant ratios ators to and/or refine s for distributed on systems and nt to maximise ance	
endations by best practices to operational y naintenance ormance nent plans for ce to regulations agency's policy and	
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