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

TSC Category	Health and Safety Management					
TSC Title	Public Health and Safety Management					
TSC Description	Manage the impact of power generation, distribution and transmission activities on public health and safety					
TSC Proficiency Description	**Level 1**	**Level 2**	**Level 3**	**Level 4**	**Level 5**	**Level 6**
					<Insert TSC Code>	**<Insert TSC Code>**
					Evaluate the impact of power generation, distribution and transmission activities on public health and safety	Recommend solutions to manage the impact of power generation, distribution and transmission activities on public health and safety
Knowledge					• Usage of conventional and renewable energy sources • Impact of energy supply sources on human health and environment • Environmental pollution and occupational diseases and hazards • Energy efficiency and conservation principles • Health and safety technologies • Relevant local and global laws, regulations and institution of practices	• Local and global best practices on conventional and renewable energy sources • Impact of energy supply sources on human health and environment • Environmental pollution and occupational diseases and hazards • Public health and safety challenges • Energy efficiency and conservation use cases • Health and safety technologies • Whole-of-government principles and practices • Relevant local and global laws, regulations and institution of practices

Abilities					• Assess the impact of energy supply sources on public health and safety • Implement strategies that support the transition to healthier energy supply • Assess public health effects of pollution stemming from power-related activities • Evaluate the feasibility of health and safety technologies • Propose effective energy efficiency and conservation measures • Ensure compliance with local and global laws, regulations, industry standards and codes of practices to protect public health and safety	• Evaluate the impact of energy supply sources on public health and safety and provide recommendations to mitigate risks • Drive research on health effects and pollution prevention strategies • Provide technical advice to address the public health effects of pollution stemming from power-related activities • Implement strategies that support the transition to healthier energy supply and diversified energy sources • Review feasibility studies of for health and safety technologies • Participate in programs that will help to improve energy efficiency and reduce emissions and waste • Review and recommend regulations, industry standards and codes of practices to protect public health and safety