

**SKILLS FRAMEWORK FOR LANDSCAPE
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE**

TSC Category	Design					
TSC	Sustainable Landscape Design					
TSC Description	Incorporate considerations for sustainability, safety and maintainability in the design of landscapes					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			LNS-PVE-3013-1.1	LNS-PVE-4013-1.1	LNS-PVE-5013-1.1	
			Develop landscape designs with sustainability considerations throughout design process	Manage and review landscape designs in order to meet sustainability standards and goals	Lead landscape design process aimed at sustainability and integrate the same within organisational design and development operations	
Knowledge			<ul style="list-style-type: none"> Qualitative and quantitative research methodologies Objectives of sustainable landscape design Impact of landscape development on the environment Sustainable technologies for clean and green building Safety considerations in landscape Relevant codes of conduct for the design discipline and landscape design 	<ul style="list-style-type: none"> Qualitative and quantitative research methodologies Principles of sustainable landscape design Ways and approaches to increasing the efficiency and effectiveness of designs and their implementation Environmental, economic and social impacts of landscape development Sustainable development issues and considerations Relevant environmental laws and regulations Safety considerations in landscape Emerging trends and issues in sustainability Relevant codes of conduct for the design discipline and landscape design 	<ul style="list-style-type: none"> Environmental, economic and social impact of landscape development Concept of humanisation of design Considerations for impact of design implementation and maintenance Considerations for business values, social responsibility and ethics within the design discipline Sustainable technologies for clean and green building technologies Environmental regulation management Emerging trends and issues in sustainability Relevant codes of conduct for the design discipline and landscape design 	
Abilities			<ul style="list-style-type: none"> Utilise feedback provided by users to incorporate their considerations of sustainability into landscape designs 	<ul style="list-style-type: none"> Incorporate cost reduction and wastage minimisation strategies in landscape designs Analyse the environmental impact of the proposed 	<ul style="list-style-type: none"> Implement lifecycle thinking to quantify the environmental, economic and social impact of landscape design Set strategies and design standards to 	

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			<ul style="list-style-type: none"> Propose designs that integrate green technologies to provide positive impact on communities and the environment Design landscapes taking into account implementation and maintainability considerations Identify alternative solutions which will improve environmental quality and increase sustainability Operate within appropriate codes of conduct 	<p>developments through review of the designs</p> <ul style="list-style-type: none"> Review overall designs taking implementation and maintenance into consideration Review overall landscape designs to assess the post-construction maintenance requirements Apply disciplinary actions against non-compliance to design ethics and codes of conduct 	<p>minimise wastage and enhance efficiency of resource consumption</p> <ul style="list-style-type: none"> Establish the requirements for assessing the environmental, economic and social impact of design proposals Establish the guidelines for designing with safety and buildability considerations Assess suitable strategies for developing alternative resources, which indicate positive technical and environmental advantages Initiate changes to production solutions to address sustainable design problems Develop plans to promote standards of excellence in the quality of design practice and strengthen public confidence in the profession 	
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