

SKILLS FRAMEWORK FOR LANDSCAPE SKILLS MAP – ARBORIST /ARBORICULTURAL CONSULTANT		
Sector	Landscape	
Track	Arboriculture	
Occupation	Arboriculture Professionals	
Job Role	Arborist/Arboricultural Consultant	
Job Role Description	<p>The Arborist/Arboricultural Consultant leads arboriculture advisory and execution for new infrastructural developments as well as existing establishments that may require additions and alterations. He/She influences landscape designs from an arboriculture perspective to ensure compliance to safety, function, tree health and aesthetics requirements. He influences technology adoption for arboriculture works. He establishes processes for arboriculture implementation and maintenance and oversees the implementation by advising on technical issues and challenges. He must have ethical considerations in dealing with client requirements against tree health and conservation.</p> <p>He may provide external advisory services for tree assessment for new developments, existing projects as well as transplantation of heritage trees.</p> <p>He is an expert on arboriculture and often works in individual capacity to advise on projects pertaining to tree planting and maintenance. He may also work as part of a team to guide execution teams for such works.</p> <p>He should have an eye for detail and the ability to spot tree health issues. He should be comfortable with logical deduction and inferential decision-making. He should be process-oriented and comfortable in tailoring established processes for specific requirements. He must be collaborative and comfortable in providing coaching and guidance to team members.</p>	
Critical Work Functions and Key Tasks	Critical Work Functions	Key Tasks
	Execute business development	Collaborate with the management team in the development of marketing collaterals for business development
		Participate in marketing presentations to various external stakeholders to showcase technical capabilities and experience
		Assess tender or contract requirements to determine the scope of work
		Undertake site visits to determine on-site challenges that would impact the scope of work or achievement of contract requirements
		Evaluate the regulatory, technical and commercial feasibility of the scope of work with respect to the organisation's technical capabilities and commercial considerations
		Develop cost and effort estimates for technical and commercial proposals to bid for tendered contracts
	Influence landscape and architectural designs from arboriculture perspective	Influence technology adoption to enhance safety, quality, efficiency and productivity in the organisation
		Evaluate architectural and landscape designs from an arboriculture perspective with a view to determine the arboriculture impact
		Communicate arboriculture concerns to building architects and landscape designers to influence the improvement of building and landscape designs from an arboriculture perspective
		Collaborate with consulting teams on methods to mitigate the arboriculture impact of new developments by enhancing building and landscape designs
		Advise on soil and media as well as drainage requirements in the implementation of projects
		Lead responses to queries from authorities on recommendations made in tree reports
	Execute tree assessments	Articulate the objectives of tree assessment in agreement with the clients and all stakeholders
		Assess the health and structural stability of specific trees
		Guide extraction of samples as required for further assessment to determine tree health
		Recommend mitigation measures based on tree assessment and evaluation of possible options to prevent tree failure
		Approve tree transplantation decisions based on assessment of tree health, form, structure and stability, and available access routes and resources
		Recommend alternate courses of action where tree conservation is critical, but transplantation may not be possible
		Assess the scope, requirements, risks, timelines, costs and viability of tree transplantation
Manage arboriculture works	Develop the execution plans and procedures for arboriculture implementation operations with consideration for requirement of specific trees	
	Obtain approvals and authorisation from regulatory bodies for tree removal, transplantation and other arboriculture implementation operations	
	Plan the manpower and resource requirements for arboriculture implementation and maintenance works	
	Advise on tree selection for landscape projects by participating in nursery visits and recommending alternatives for unavailable species	
	Determine the approach for the removal of trees from sites through felling, rigging and/or any other specialised techniques that may be required owing to site challenges	
	Design tree care plans and Standard Operating Procedures(SOPs) for tree maintenance	
	Drive adherence to established safety standards and protocol for arboriculture implementation and maintenance works	
Manage organisational development	Communicate common goals, direction and accountability among staff	

	Develop staff through capability development and coaching			
	Implement effective performance management practices within department in accordance with organisational policies and procedures			
	Monitor budgets, forecasting, work allocations and staffing of the various departments			
Skills and Competencies	Technical Skills and Competencies		Generic Skills and Competencies (Top 5)	
	Automation of Landscape Operations	Level 4, Level 5	Leadership	Intermediate
	Budgeting	Level 4	Service Orientation	Advanced
	Business Development	Level 4	Interpersonal Skills	Intermediate
	Contract Preparation, Evaluation, Negotiation and Tendering	Level 5	Decision Making	Intermediate
	Data Analysis and Interpretation	Level 4	Communication	Intermediate
	Environment Management in Landscape Operations	Level 4		
	Hazards and Risk Control, and Policy Management	Level 4		
	Horticultural Chemical Usage	Level 4		
	Incident and Accident Investigation	Level 4		
	Innovation Management	Level 4		
	Landscape Irrigation Management	Level 4, Level 5		
	Landscape Tools, Equipment and Machinery Management	Level 4		
	Learning and Development	Level 4		
	Plant Identification	Level 4		
	Plant Selection for Landscape Development	Level 4		
	Project Management	Level 4		
	Site Assessment and Analysis	Level 4, Level 5		
	Soil and Media Assessment and Remediation	Level 4		
	Stakeholder Management	Level 3, Level 4		
	Strategy Planning	Level 4		
	Tree Assessments	Level 4, Level 5		
	Tree Climbing and Aerial Rescues	Level 3		
	Tree Conservation and Protection	Level 4, Level 5		
	Tree Health Management	Level 4		
	Tree Pruning	Level 4		
	Tree Removal	Level 4, Level 5		
	Tree Transplantation	Level 4, Level 5		
	Vendor Management	Level 3, Level 4		
	Work at Heights	Level 3		
	Workflow Digitalisation	Level 4		
	Workplace Safety and Health Policy Development	Level 4, Level 5		
Programme Listing	For a list of Training Programmes available for the Landscape sector, please visit: www.skillsfuture.sg/skills-framework/landscape			

The information contained in this document serves as a guide.