

SKILLS FRAMEWORK FOR LANDSCAPE SKILLS MAP - ARBORICULTURE TECHNICIAN				
<b>Sector</b>	Landscape			
<b>Track</b>	Arboriculture			
<b>Occupation</b>	Arboriculture Professionals			
<b>Job Role</b>	Arboriculture Technician			
<b>Job Role Description</b>	<p>The Arboriculture Technician executes technical processes involved in arboriculture implementation and maintenance. He/She performs tasks involving the use of specialised tools and equipment, including mechanisation and automation technology. He may provide guidance to workers in performing arboriculture tasks in the absence of a team lead.</p> <p>He is an individual contributor who must deliver allocated tasks as part of a team. The work involves high amount of manual work as well as the use of significant amount of mechanisation and automation. He may be required to work at heights which may include the climbing of trees.</p> <p>He should be task-oriented and able to adhere to processes and procedures in accordance to workplace safety and health requirement. He should be comfortable with mechanisation and automation technology. He should have an eye for analysing tasks and looking for ways to improving processes.</p>			
<b>Critical Work Functions and Key Tasks</b>	<b>Critical Work Functions</b>	Execute arboriculture implementation	<b>Key Tasks</b>	
			Execute excavation for tree planting or transplantation using manual and mechanised methods	
			Execute tree transplantation involving extraction, transportation and establishment of trees at receptor sites	
			Execute the removal of trees using manual and/or mechanised methods	
			Execute post-transplantation maintenance procedures until completion of re-growth and stabilisation of tree health	
	Execute tree maintenance	Adhere to workplace safety and health (WSH) guidelines and protocol and usage of personal protective equipment (PPE) during arboriculture implementation operations		
		Execute tree pruning using specialised equipment		
		Install support systems to ensure tree stability		
		Adhere to workplace safety and health (WSH) guidelines and protocol and usage of personal protective equipment (PPE) during tree maintenance		
		Perform routine maintenance and basic repairs on tools and equipment		
<b>Skills and Competencies</b>	<b>Technical Skills and Competencies</b>		<b>Generic Skills and Competencies (Top 5)</b>	
	Automation of Landscape Operations	Level 2	Teamwork	Intermediate
	Chainsaw Operations	Level 2	Communication	Intermediate
	Environment Management in Landscape Operations	Level 2	Problem Solving	Intermediate
	Hazards and Risk Control, and Policy Management	Level 2	Interpersonal Skills	Intermediate
	Horticultural Chemical Usage	Level 2	Service Orientation	Intermediate
	Incident and Accident Investigation	Level 2		
	Landscape Irrigation Management	Level 2		
	Landscape Tools, Equipment and Machinery Management	Level 2		
	Plant Identification	Level 2		
	Soil and Media Assessment and Remediation	Level 2		
	Tree Climbing and Aerial Rescues	Level 2		
	Tree Health Management	Level 2		
	Tree Pruning	Level 2		
	Tree Removal	Level 2		
	Tree Transplantation	Level 2		
	Work at Heights	Level 1		
<b>Programme Listing</b>	For a list of Training Programmes available for the Landscape sector, please visit: <a href="http://www.skillsfuture.sg/skills-framework/landscape">www.skillsfuture.sg/skills-framework/landscape</a>			

The information contained in this document serves as a guide.