

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

TSC Category	Arboriculture					
TSC	Tree Assessments					
TSC Description	Conduct comprehensive tree assessments to support decision making pertaining to development of new landscapes, maintenance of existing landscape sites, safety and tree conservation					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
				LNS-GNM-4002-1.1	LNS-GNM-5002-1.1	
				Inspect identified trees to evaluate health, structural stability and vitality in alignment with the established objectives of tree assessment exercise	Drive the execution of tree assessments and provide recommendations to meet the established objectives of the tree assessment exercise	
Knowledge				<ul style="list-style-type: none"> • Purpose of tree assessments • Tools and equipment used in tree assessments • Methods of non-invasive and semi-invasive external tree assessments • Abiotic and biotic factors that cause tree disorders and impact tree health • Age classification of trees • Physical and physiological characteristics of local tree species • Symptoms of common diseases and disorders observed in trees • Solutions to common tree health problems • Relevant workplace safety and health (WSH) guidelines 	<ul style="list-style-type: none"> • Objectives of a tree assessment exercise • Application and operation techniques of tools and equipment used in tree health, stability and decay assessment • Parameters and processes involved in visual tree assessments • Invasive and semi-invasive methods of tree assessment • Physical and physiological characteristics of common native and foreign tree species • Diseases and disorders that may impact tree health • Relevant workplace safety and health (WSH) guidelines 	
Abilities				<ul style="list-style-type: none"> • Adhere to safety standards and procedures associated with tree assessments • Identify trees to be inspected as part of the assessment 	<ul style="list-style-type: none"> • Define the objectives of the tree assessment exercise • Assess and minimise risks associated with tree assessment on the site 	

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				<ul style="list-style-type: none"> • Confirm the position and species of the trees with respect to the site plan • Select tools and equipment suitable to the nature of the assessment • Measure dimensional characteristics of the identified trees • Observe physical and physiological characteristics of identified trees • Collect data using tree assessment equipment • Record observations in alignment with the objectives of tree assessment • Support analysis of tree assessment data to derive conclusions for the assessment 	<ul style="list-style-type: none"> • Determine tree assessment methods to be adopted based on objectives of the exercise • Guide the extraction of samples to assess tree health • Observe trees for structural stability and potential failures due to natural forces • Identify signs or symptoms of diseases, decay or any other conditions which may impact tree health or lifespan • Analyse data generated from tree assessments • Determine retention value of trees to support recommendations • Develop recommendations based on analysis of data collected from tree assessments 	
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