

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

<b>TSC Category</b>	Horticulture					
<b>TSC</b>	Turf Maintenance					
<b>TSC Description</b>	Assess, plan and execute maintenance of amenities or public turfs					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
	<b>LNS-GNM-1018-1.1</b>	<b>LNS-GNM-2018-1.1</b>	<b>LNS-GNM-3018-1.1</b>	<b>LNS-GNM-4018-1.1</b>		
	Perform basic turf maintenance tasks	Identify routine turf maintenance requirements and perform turf maintenance tasks using mechanisation and technology	Implement turf maintenance plans and supervise turf maintenance on site	Develop a turf management programme and oversee turf maintenance operations		
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>Visual characteristics of common invasive species present in turf</li> <li>Tools, equipment and machinery used in turf maintenance</li> <li>Methods and techniques for weeding invasive species from turf</li> <li>Methods of applying fertiliser and topdressing</li> <li>Methods and techniques for mowing turf</li> <li>Manual and semi-automated turf irrigation methods and techniques</li> <li>Basic maintenance procedures for tools, equipment and machinery</li> <li>Personal Protective Equipment (PPE) used in turf maintenance</li> <li>Relevant workplace safety and health (WSH) guidelines</li> </ul>	<ul style="list-style-type: none"> <li>Threats to turf health, including pests, diseases, decay or invasive species</li> <li>Operation techniques for specialised turf equipment and machinery</li> <li>Biological and chemical means for removing invasive species</li> <li>Fertilisers used for turf maintenance</li> <li>Functions of automated irrigation systems for turf</li> <li>Methods and techniques to maintain the finish and aesthetics of turf</li> <li>Maintenance procedures for tools, equipment and machinery</li> <li>Personal Protective Equipment (PPE) used in turf maintenance</li> <li>Relevant workplace safety and health (WSH) guidelines</li> </ul>	<ul style="list-style-type: none"> <li>Site assessment techniques and methods</li> <li>Turf maintenance materials, tools, equipment, machinery and their modes and techniques of operation</li> <li>Hazards and risks in turf maintenance activities</li> <li>Procedures, tasks and cultural practices involved in turf maintenance</li> <li>Common issues and challenges in turf maintenance</li> <li>Organisation's documentation and reporting procedures</li> <li>Maintenance requirements for turf maintenance tools, equipment and machinery</li> <li>Relevant workplace safety and health (WSH) guidelines</li> </ul>	<ul style="list-style-type: none"> <li>Site assessment techniques and methods</li> <li>Best practices in turf maintenance</li> <li>Current and upcoming tools and technologies for turf maintenance</li> <li>Procedures, tasks and cultural practices involved in turf maintenance</li> <li>Typical issues and challenges in turf maintenance</li> <li>Environmental impact of turf maintenance activities</li> <li>Quality standards for turf maintenance tasks</li> <li>Relevant workplace safety and health (WSH) guidelines</li> </ul>		
<b>Abilities</b>	<ul style="list-style-type: none"> <li>Wear appropriate PPE before commencing turf maintenance work</li> <li>Identify weeds and other invasive species within turfed areas</li> </ul>	<ul style="list-style-type: none"> <li>Wear appropriate PPE before commencing turf maintenance work</li> <li>Inspect turf for weeds, soil irregularities, adequacy of moisture</li> </ul>	<ul style="list-style-type: none"> <li>Assess site to identify maintenance requirements</li> <li>Develop turf maintenance schedules in accordance with</li> </ul>	<ul style="list-style-type: none"> <li>Assess site to determine scope of turf maintenance, assess risks and hazards and determine inter-relationship between turf</li> </ul>		

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	<ul style="list-style-type: none"> <li>• Weed turfed areas as instructed</li> <li>• Calibrate mowing equipment for desired grass height</li> <li>• Cut grass to required height using appropriate manual and mechanised tools</li> <li>• Water turf using manual or semi-automated methods</li> <li>• Repair damaged turf by cultivating grass and re-turfing patches</li> <li>• Clear horticultural waste from turf maintenance sites</li> <li>• Assist in the application of fertilisers and/or topdressing as instructed</li> <li>• Adhere to relevant WSH guidelines</li> </ul>	<p>and nutrients, and pest infestation</p> <ul style="list-style-type: none"> <li>• Apply chemicals to control invasive species over turfed areas</li> <li>• Mow turf using specialised turf tools and machinery</li> <li>• Perform routine maintenance of automated irrigation systems for turf</li> <li>• Apply fertilisers to maintain nutrition levels of turf</li> <li>• Apply chemicals to prevent pest, disease infestation or invasive species</li> <li>• Apply topdressing to maintain the aesthetics of the turf</li> <li>• Report maintenance problems and issues to supervisors</li> <li>• Adhere to relevant WSH guidelines</li> </ul>	<p>overall maintenance plans</p> <ul style="list-style-type: none"> <li>• Determine materials, tools, equipment and machinery requirements for turf maintenance</li> <li>• Communicate work allocation, tools selection and performance expectations to team of workers</li> <li>• Inspect turf maintenance activities on site</li> <li>• Resolve execution issues and challenges in turf maintenance</li> <li>• Guide the routine maintenance of specialised equipment for turf</li> <li>• Record maintenance activities for reporting and compliance</li> <li>• Lead adherence to relevant WSH guidelines</li> </ul>	<p>and other elements and services</p> <ul style="list-style-type: none"> <li>• Develop plans to meet turf maintenance requirements for sites</li> <li>• Determine tools, technology and automation to be adopted for turf maintenance on sites</li> <li>• Develop working procedures for turf maintenance tasks in alignment with the use of mechanisation and automation</li> <li>• Plan manpower allocation for various turf zones on site</li> <li>• Oversee the procurement of materials, tools, equipment and machinery for turf maintenance</li> <li>• Review site reports and site visits to ascertain performance of turf maintenance Resolve technical and horticultural issues and challenges in turf maintenance</li> <li>• Drive adherence to relevant WSH guidelines</li> </ul>		
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