<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Horticulture</th>
<th>( TSC )</th>
<th>Technical Skills and Competencies (TSC) Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSC Description</td>
<td>Assess, plan and execute maintenance of amenities or public turfs</td>
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<tr>
<td>( TSC ) Description</td>
<td>Perform basic turf maintenance tasks</td>
<td>Identify routine turf maintenance requirements and perform turf maintenance tasks using mechanisation and technology</td>
<td>Implement turf maintenance plans and supervise turf maintenance on site</td>
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### Knowledge

- Visual characteristics of common invasive species present in turf
- Tools, equipment and machinery used in turf maintenance
- Methods and techniques for weeding invasive species from turf
- Methods of applying fertiliser and topdressing
- Methods and techniques for mowing turf
- Manual and semi-automated turf irrigation methods and techniques
- Basic maintenance procedures for tools, equipment and machinery
- Personal Protective Equipment (PPE) used in turf maintenance
- Relevant workplace safety and health (WSH) guidelines
- Threats to turf health, including pests, diseases, decay or invasive species
- Operation techniques for specialised turf equipment and machinery
- Biological and chemical means for removing invasive species
- Fertilisers used for turf maintenance
- Functions of automated irrigation systems for turf
- Methods and techniques to maintain the finish and aesthetics of turf
- Maintenance procedures for tools, equipment and machinery
- Personal Protective Equipment (PPE) used in turf maintenance
- Relevant workplace safety and health (WSH) guidelines
- Site assessment techniques and methods
- Turf maintenance materials, tools, equipment, machinery and their modes and techniques of operation
- Hazards and risks in turf maintenance activities
- Procedures, tasks and cultural practices involved in turf maintenance
- Common issues and challenges in turf maintenance
- Organisation’s documentation and reporting procedures
- Maintenance requirements for turf maintenance tools, equipment and machinery
- Relevant workplace safety and health (WSH) guidelines
- Site assessment techniques and methods
- Best practices in turf maintenance
- Current and upcoming tools and technologies for turf maintenance
- Procedures, tasks and cultural practices involved in turf maintenance
- Typical issues and challenges in turf maintenance
- Environmental impact of turf maintenance activities
- Quality standards for turf maintenance tasks
- Relevant workplace safety and health (WSH) guidelines

### Abilities

- Wear appropriate PPE before commencing turf maintenance work
- Identify weeds and other invasive species within turfed areas
- Wear appropriate PPE before commencing turf maintenance work
- Inspect turf for weeds, soil irregularities, adequacy of moisture
- Assess site to identify maintenance requirements
- Develop turf maintenance schedules in accordance with
- Assess site to determine scope of turf maintenance, assess risks and hazards and determine inter-relationship between turf
• Weed turfed areas as instructed
• Calibrate mowing equipment for desired grass height
• Cut grass to required height using appropriate manual and mechanised tools
• Water turf using manual or semi-automated methods
• Repair damaged turf by cultivating grass and re-turfing patches
• Clear horticultural waste from turf maintenance sites
• Assist in the application of fertilisers and/or topdressing as instructed
• Adhere to relevant WSH guidelines

and nutrients, and pest infestation
• Apply chemicals to control invasive species over turfed areas
• Mow turf using specialised turf tools and machinery
• Perform routine maintenance of automated irrigation systems for turf
• Apply fertilisers to maintain nutrition levels of turf
• Apply chemicals to prevent pest, disease infestation or invasive species
• Apply topdressing to maintain the aesthetics of the turf
• Report maintenance problems and issues to supervisors
• Adhere to relevant WSH guidelines

overall maintenance plans
• Determine materials, tools, equipment and machinery requirements for turf maintenance
• Communicate work allocation, tools selection and performance expectations to team of workers
• Inspect turf maintenance activities on site
• Resolve execution issues and challenges in turf maintenance
• Guide the routine maintenance of specialised equipment for turf
• Record maintenance activities for reporting and compliance
• Lead adherence to relevant WSH guidelines

and other elements and services
• Develop plans to meet turf maintenance requirements for sites
• Determine tools, technology and automation to be adopted for turf maintenance on sites
• Develop working procedures for turf maintenance tasks in alignment with the use of mechanisation and automation
• Plan manpower allocation for various turf zones on site
• Oversee the procurement of materials, tools, equipment and machinery for turf maintenance
• Review site reports and site visits to ascertain performance of turf maintenance
• Resolve technical and horticultural issues and challenges in turf maintenance
• Drive adherence to relevant WSH guidelines