



Australian Government

Department of Education, Employment and Workplace Relations

RTF3010A Establish turf

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This competency standard covers the process of establishing turf in sporting, public recreational open space, and/or domestic situations. Turf establishment is likely to be under limited supervision from others, with checking only related to overall progress. Turf establishment involves the application of horticultural knowledge with depth in some areas and a broad range of horticultural skills. The work is normally done within routines, methods and procedures where some discretion and judgement is required in the selection of machinery and equipment, work organisation, services, actions, and achieving outcomes within time and budget constraints.

Application of the Unit

Not applicable.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Collect samples for soil testing	1.1 Soil samples are taken from a representative area and accurately labelled according to enterprise guidelines and consultant requirements. 1.2 Tools and equipment are chosen appropriate to the task being undertaken, used according to guidelines, and safe working practices are employed according to enterprise OHS guidelines.
2 Plant turf	2.1 Planting site is prepared according to enterprise guidelines. 2.2 Placement and planting method of the plant material are consistent with the turf type. 2.3 Newly planted turf is watered and top-dressing is applied according to plan and supervisors instructions. 2.4 Tools equipment and machinery chosen are appropriate to the task being undertaken, used according to guidelines, and safe working practices are employed.
3 Manage newly established turf	3.1 Newly established turf is watered and fertilised according to need and method of planting. 3.2 Turf is mowed according to a specified pattern and height according to the requirements of the enterprise. 3.3 Newly established turf is monitored, problems identified, and any changes are reported to supervisor according to enterprise policy. 3.4 Top dressing is applied according to the establishment plan. 3.5 Tools and equipment chosen are appropriate to the task being undertaken, used according to guidelines, and safe working practices are employed.

- 4 Report and repair areas of damaged turf
 - 4.1 Plants are observed for health properties, specifications and historical data.
 - 4.2 Turf condition is observed for quality according to enterprise practice and guidelines.
 - 4.3 Reports and recommendations are made to supervisor according to enterprise guidelines.
 - 4.4 Tools and equipment chosen are appropriate to the task being undertaken, used according to guidelines, and safe working practices are employed.

Required Skills and Knowledge

Not applicable.

Evidence Guide

What evidence is required to demonstrate competence for this standard as a whole?

Competence in this unit requires evidence that turfed areas have been successfully established. The skills and knowledge required to establish turf must be **transferable** to a range of work environments and contexts. For example, this could include different using different establishment techniques with different turf material over a range of areas to be planted.

What specific knowledge is needed to achieve the performance criteria?

Knowledge and understanding are essential to apply this standard in the workplace, to transfer the skills to other contexts, and to deal with unplanned events. The knowledge requirements for this unit are listed below:

- appropriate agricultural chemicals and concentrations
- turf identification and growth characteristics
- soils and turf nutrition
- fertiliser use and application
- watering practices
- common weeds, pests and diseases.

What specific skills are needed to achieve the performance criteria?

To achieve the performance criteria, some complementary skills are required. These skills include the ability to:

- collect soil samples for analysis
- establish turf
- use turf establishment machinery and equipment
- use fertilisers and irrigation equipment
- repair areas of damaged turf.

What processes should be applied to this competency standard?

There are a number of processes that are learnt throughout work and life, which are required in all jobs. They are fundamental processes and generally transferable to other work functions. Some of these are covered by the **key competencies**, although others may be added. The questions below highlight how these processes are applied in this competency standard. Following each question a number in brackets indicates the level to which the key competency needs to be demonstrated where 0 = not required, 1 = perform the process, 2 = perform and administer the process and 3 = perform, administer and design the process.

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| 1. How can communication of ideas and information (2) be applied? | Communication of ideas and information can be applied through workplace meetings and verbally with supervisors. |
| 2. How can information be collected, analysed and organised (1)? | Information can be collected, analysed and organised by reporting and recording job progress. |
| 3. How are activities planned and organised (1)? | Activities are planned and organised on a daily basis to get work completed. |
| 4. How can team work (3) be applied? | Team work can be applied in all aspects of the work to achieve the outcomes of the unit. |
| 5. How can the use of mathematical ideas and techniques (1) be applied? | The use of mathematical ideas and techniques can be applied in estimating and calculating materials. |
| 6. How can problem-solving skills (1) be applied? | Problem-solving skills can be applied in overcoming minor establishment issues as they arise. |
| 7. How can the use of technology (2) be applied? | The use of technology can be applied with the tools and equipment selected to complete the job. |

Are there other competency standards that could be assessed with this one?

This competency standard **could** be assessed on its own or in combination with other competencies relevant to the job function.

There is essential information about **assessing this competency standard for consistent performance** and **where and how it may be assessed**, in the Assessment Guidelines for this Training Package. All users of these competency standards must have **access** to the **Assessment Guidelines**. Further advice may also be sought from the relevant **sector booklet**.

Range Statement

Range of Variables

The Range of Variables explains the contexts within which the performance and knowledge requirements of this standard may be assessed. The scope of variables chosen in training and assessment requirements may depend on the work situations available

What **soil tests** may be undertaken?

These may include tests for pH, salinity, texture and soil type. Samples may include plugs and core samples. Test kits may include a dry test, CSIRO kits, EC meters and pH kits.

What **OHS requirements** may be relevant to this standard?

OHS requirements may include identifying hazards; assessing risks and implementing controls; cleaning, maintaining and storing tools and equipment; appropriate use of personal protective equipment including sun protection; safe operation of tools and equipment; safe handling, use and storage of chemicals and hazardous substances; correct manual handling; basic first aid; personal hygiene, and reporting problems to supervisors.

Where might **turfed** areas be established?

This unit applies to all turfed areas such as those found in public open space, parks and reserves, public and private gardens, and playing fields.

What **turfing material** may be used in this standard?

Plant material may include instant turf, sprigs, sod, seed, hydro-seed, and stolons.

What **turf planting methods** may be used?

Planting methods may include sowing, laying, rolling, chaffing, and sprigging.

What **tools, equipment and machinery** may be required for turf establishment?

Tools, equipment and machinery may include hand tools such as rakes, spreaders, shovels, turf spades, rollers, wheelbarrows, hoses and hose fittings, and machinery such as trailed or motorised equipment, sod cutters, mechanical rollers, fertiliser spreaders, top-dressing machinery, levellers, front-end loaders, trucks, hydraulic trailers, and tractors and 3-point linkage equipment.

How might **newlyturf establishment** sites vary?

Site may vary in soil types, moisture content, pH levels, salinity, texture, compaction, shade, aspect, climate, and proximity to

buildings and roads.

For more information on contexts, environment and variables for training and assessment refer to the Sector Booklet.

Unit Sector(s)

Not applicable.