

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 7.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

AHCPGD301	Implement a plant establishment program
Application	<p>This unit of competency describes the skills and knowledge required to establish planting areas, including preparing, implementing, reviewing and completing plant establishment work, in new projects and in programs of extensive replacement and renovation works across a range of situations and environments.</p> <p>The unit applies to individuals who implement a plant establishment program under broad direction, and take responsibility for their own work and for the quality of the work of others.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Parks and Gardens (PGD)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to establish a planting area	1.1 Identify the planting site, planting methods and plant species and cultivars from the site plan and specifications 1.2 Identify potential hazards and risks, and implement safe working practices to manage risks 1.3 Select materials, tools, equipment and machinery required to implement a plant establishment program and check for safe operation 1.4 Select, fit, use and maintain personal protective equipment (PPE) applicable to the task 1.5 Maintain a clean and safe work area throughout work
2. Prepare the planting area	2.1 Determine the layout of services against the site plan and report discrepancies to supervisor and relevant authority 2.2 Check and confirm site layout and plant stock against site plan and report discrepancies 2.3 Prepare planting site according to site plan 2.4 Select and apply additives as required by site conditions 2.5 Mark out the positions of plants on site 2.6 Remove and dispose of debris and pollutants from the site
3. Undertake planting operation	3.1 Inspect all plants for health, vigour and well-established root systems prior to being planted 3.2 Return plants with major defects to the supplier or set aside to be returned 3.3 Trim or treat plants with minor defects to maintain health and vigour 3.4 Space plants appropriately 3.5 Use planting methods that comply with the growing requirements of individual plant species and cultivars 3.6 Apply water to the planting site where required 3.7 Provide newly placed plants with post-planting care 3.8 Prune plants, where necessary, according to the needs of the species and cultivar to ensure plants develop a sound framework for their growth and habit

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Review the plant establishment works	4.1 Review plant establishment program as required 4.2 Identify, record and report plants incorrectly planted, or situations that will prevent plants from reaching their full potential 4.3 Take remedial action to ensure all requirements of the plant establishment program are implemented
5. Complete establishment works	5.1 Complete surface finishes including mulch 5.2 Dispose of or recycle waste material from the planting site 5.3 Clean, maintain and store tools, equipment and machinery 5.4 Identify and report unserviceable tools, equipment and machinery according to workplace procedures 5.5 Record completed plant establishment program and report to supervisor

Foundation Skills	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
Skill	Description
Oral communication	<ul style="list-style-type: none"> Use clear language to report tool, equipment and machinery unserviceability
Numeracy	<ul style="list-style-type: none"> Estimate and calculate area, volume, ratios and application rates Apply numerical information to determine quantities, material and application rates

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPGD301 Implement a plant establishment program Release 2	AHCPGD301 Implement a plant establishment program Release 1	Minor changes to application Minor changes to performance criteria Foundation skills added Assessment requirements updated	Equivalent

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72
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TITLE	Assessment requirements for AHCPGD301 Implement a plant establishment program
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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.
 There must be evidence that the individual has implemented a plant establishment program on at least one occasion and has:

- applied workplace health and safety requirements
- selected, used and maintained tools, equipment and machinery required for implementing a plant establishment program
- interpreted site plans and specifications
- checked and confirmed site plan and plant stock
- measured quantities, calculated material requirements, area, volume, ratios and application rates
- carried out planting operations
- ensured planting methods comply with plant species and cultivar growing requirements
- pruned plants to ensure they develop a sound framework for their growth and habit
- inspected and determined plant quality and health
- reviewed site establishment program
- reported unserviceable tools, equipment and machinery
- recorded and reported work outcomes.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace requirements applicable to health and safety in the workplace for implementing a plant establishment program, including appropriate use of personal protective equipment (PPE)
- principles and practices of plant establishment, including:
 - soils and soil amelioration techniques
 - the identification of pests and diseases, plant symptoms of infections, treatment threshold levels, recommended treatments, methods of application and environmental implications
 - the objectives of the plant establishment program, including finished plant forms, site appearance, end use and time constraints
 - selection and calculation of stock requirements
 - site planning
 - the physiology of required plant species and cultivars, culture and planting procedures, including growth rates, main nutrient and water requirements, deficiency symptoms, recommended treatments and associated environmental implications.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a workplace setting or an environment that accurately represent workplace conditions
- resources, equipment and materials:
 - workplace procedures applicable to implementing a plant establishment program
 - materials, tools, equipment and machinery applicable to implementing a plant establishment program
 - plants
 - PPE applicable to implementing a plant establishment program
- specifications:
 - workplace requirements applicable to health and safety in the workplace for implementing a plant establishment program
 - site plans and specifications applicable to implementing a plant establishment program
- relationships:
 - supervisor
- timeframes:
 - according to job requirements.

Assessment Conditions
Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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