



Australian Government

AHCPGD404 Plan a plant establishment program

Release: 1

AHCPGD404 Plan a plant establishment program

Modification History

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

Application

This unit of competency describes the skills and knowledge required to plan and document a plant establishment program, including a site plan, work procedures, schedules, and specifications.

The unit applies to individuals who apply specialist skills and knowledge to design plant displays. This includes applying and communicating non routine technical solutions to predictable and unpredictable problems.

All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Parks and Gardens (PGD)

Elements and Performance Criteria

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. Carry out preliminary planning activities for plant establishment program	1.1 Consult with client to establish preferences and requirements for plant establishment program 1.2 Research plant species and cultivars, local by-laws and restrictions that may affect the plant establishment program

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify environmental implications of planned program and, if necessary, report to relevant personnel for further research 1.4 Develop a concept plan that reflects client preferences and requirements and takes into account site factors and identified requirements 1.5 Present concept plan to client for discussion and approval
2. Determine requirements of plant establishment program	2.1 Identify plant species and cultivars appropriate to site and consistent with agreed concept plan 2.2 Calculate and cost required quantity and confirm availability with suppliers 2.3 Determine plant establishment procedures that suit the characteristics of available plant materials, resources and equipment available and environmental factors that would affect the success of the plant establishment program 2.4 Identify post-planting care requirements 2.5 Identify and cost resources, tools, equipment and machinery required for planting and post-planting care and confirm availability with suppliers, contractors and appropriate personnel 2.6 Identify hazards and assess risks in workplace, and implement control measures to manage risks according to workplace health and safety procedures, estimate costs and document in plan 2.7 Outline staged implementation and development, where appropriate, and provide access for future works provided 2.8 Determine timelines for preparations, planting and post-planting care, taking into account needs of plant species and cultivars, site conditions, and any other planning requirements
3. Prepare and document plant establishment program and specification	3.1 Produce a scaled site plan which can be readily interpreted and understood by on-site personnel 3.2 Develop and document detailed on-site procedures and schedules required for planting of site and post-planting care of plants 3.3 Prepare detailed plan, specifications and quotation based on requirements of the program, and present to client for acceptance

Foundation Skills

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.

Skill	Description
Reading	Identify and interpret information regarding requirements for plant establishment program, site plan, work procedures, schedules, and specifications
Oral communication	Initiate discussions with client, using clear language to discuss program preferences and requirements, site factors, budget and concept plan, and negotiate program agreement
Numeracy	Calculating quantities, measurements, costs, scaling and scheduling

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCPGD404 Plan a plant establishment program	AHCPGD402 Plan a plant establishment program	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>

Assessment Requirements for AHCPGD404 Plan 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 planned a plant establishment program on at least one occasion and has:

- consulted with clients
- researched plant species and cultivars and local by-laws and restrictions
- complied with local by-laws and restrictions
- applied relevant workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures
- developed a plant establishment program concept plan
- calculated the cost and spatial and logistical requirements of components of the plant establishment program
- documented plant establishment program, site plan, work procedures, schedules, and specifications.

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:

- principles and practices of plant establishment program planning, including:
 - identification and establishment techniques of specific plant species and cultivars
 - the advantages and disadvantages of a range of plant establishment procedures
 - maintenance requirements and practices for specific plant species and cultivars, prior to and after initial establishment
 - processes and techniques for preparing, costing and documenting plans for and scheduling plant establishment activities
 - processes and techniques for scheduling plant establishment activities
- local by-laws and restrictions relevant to planning a plant establishment program

- workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to planning a plant establishment program.

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:
 - industry publications, internet and in house sources of information relevant to planning a plant establishment program
- specifications:
 - workplace health and safety and environmental and biosecurity legislation, regulations and workplace procedures relevant to planning a plant establishment program
 - local by-laws and restrictions relevant to planning a plant establishment program
- relationships:
 - clients
- timeframes:
 - according to job requirements.

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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