



Australian Government

Department of Education, Employment and Workplace Relations

AHCARB309A Implement a tree protection program

Release: 1

AHCARB309A Implement a tree protection program

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the work undertaken to implement a tree protection program and defines the standard required to: determine the protection requirements of trees consistent with recognised industry practice; construct protective devices appropriate to the needs of the tree and site restrictions; comply with public safety and environmental guidelines on completion of tree protection activities.
------------------------	---

Application of the Unit

Application of the unit	This unit applies to the recognition of the need for tree protection and the construction or installation of protective devices.
--------------------------------	--

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
-----------------------------	--

Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Determine the implementation requirements of the tree protection program	1.1. Trees to be protected, reason for protection and type of protection methods are identified according to the tree protection plan and enterprise work procedures. 1.2. Any Occupational Health and Safety (OHS) controls necessary to ensure the safety of operators, the public and property throughout the tree protection program are identified and taken into account during implementation planning. 1.3. Any environmental implications of the tree protection program are assessed and taken into account during implementation planning. 1.4. Resources required to implement the tree protection program are identified from the plan, and availability confirmed with relevant personnel or suppliers. 1.5. Implementation tasks are determined, scheduled, tasks allocated, and allowance made for contingencies. 1.6. Information relating to the implementation of the tree protection program is communicated to appropriate personnel in accordance with enterprise guidelines.
2. Make site preparations	2.1. Suitable Personal Protective Equipment (PPE) is selected, used and maintained. 2.2. Location of protection areas are marked out on the site according to protection plan and specifications. 2.3. Safety barriers and signage are erected around holes, other disturbed surfaces and hazardous areas during and between work periods to ensure public and operator safety. 2.4. Pre-operational and safety checks are carried out on all tools, equipment and materials with defective, faulty or out-of-standard components discarded and replaced.
3. Construct protective devices	3.1. Tools, equipment and materials appropriate to the task are used according to enterprise work procedures. 3.2. Tree protection devices are constructed and/or assembled according to tree protection plan and any needs specific to the species or individual tree. 3.3. Protection devices are installed according to enterprise work procedures and protection program. 3.4. Completed protection devices are inspected for viability and remedial action undertaken when

ELEMENT	PERFORMANCE CRITERIA
	necessary.
4. Monitor protection program	4.1. Tree health is monitored during the protection program and remedial action taken to ensure the health and vigour of the tree is maintained. 4.2. Protection devices are periodically checked for their effectiveness according to protection plan requirements. 4.3. Broken, damaged or ineffective components are reported and/or repaired according to enterprise guidelines. 4.4. Damaged trees are repaired and/or replaced according to protection plan requirements. 4.5. Protection devices are dismantled and removed according to protection plan requirements. 4.6. Tools and equipment are cleaned, maintained and stored consistent with enterprise guidelines. 4.7. Records are maintained in accordance with enterprise guidelines.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- build protection devices
- recognise healthy/stressed and damaged trees
- participate in a team working situation
- work in chemical, toxic or hazardous areas
- dispose of chemical substances and their containers to minimise environmental impact
- disposal of plant and equipment debris in an environmentally aware and sensitive manner, such as sorting plant and paper-based waste for recycling
- minimise noise, dust, high activity vehicle traffic and water run-off to prevent nuisance-level environmental disturbance
- construct and install protection devices
- use literacy skills to read, interpret and follow organisational policies and procedures, follow sequenced written instructions, record accurately and legible information collected and select and apply procedures for a range of tasks

REQUIRED SKILLS AND KNOWLEDGE

- use oral communication skills/language competence to fulfil the job role as specified by the organisation, including questioning techniques, active listening, clarifying information and consulting with supervisors as required
- use numeracy skills to estimate, calculate and record routine workplace measures
- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- protection requirements in relation to tree species, position, location and potential threats
- principles of evaluating the effect of damage to trees during construction programs
- environmental factors that may affect individual and plantation trees
- improvements to tree health that can be achieved through modifying environmental influences
- principles, regulations and practices relating to restricting access
- AS4373-2007 Pruning of amenity trees
- AS1742 Pt 3 1985 - Australian Standard Code of Practice, Work Site Traffic Management
- industry codes of practice
- specifications and construction methods when installing protection devices
- local tree protection and preservation regulations
- relevant Code of Practice.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following:

- determine the protection requirements of trees consistent with recognised industry practice
- construct protective devices appropriate to the needs of the tree and site restrictions
- comply with public safety and environmental guidelines on completion of tree protection activities.

Context of and specific resources for assessment

Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole.

Protection methods may include installation of:

- fences
- tree guards
- tree plantings
- barriers
- retaining walls and soil coverings
- erection of signs and bunting
- traffic re-direction.

Unit Sector(s)

Unit sector	Arboriculture
--------------------	---------------

Co-requisite units

Co-requisite units		

Competency field

Competency field	
-------------------------	--