



Australian Government

UETDRVC003 Control vegetation for powerline work

Release: 1

UETDRVC003 Control vegetation for powerline work

Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package Release 2.0.

Application

This unit involves the skills and knowledge required for powerline vegetation control work in the electricity supply industry (ESI).

It includes vegetation control work in the vicinity of live electrical apparatus by line workers using plant, tools and equipment in accordance with workplace requirements.

This unit is subject to the following requirements for entry:

Note: Those holding an existing Certificate III ESI qualification or equivalent meets the prerequisite unit requirements.

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace.

Other conditions may also apply under state and territory legislative and regulatory licensing requirement which must be confirmed prior to commencing this unit.

Pre-requisite Unit

AHCMOM213 Operate and maintain chainsaws

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UETDREL001 Apply environmental requirements

UETDREL004 Operate plant and equipment in the vicinity of live electrical apparatus

UETDREL005 Work safely in the vicinity of live electrical apparatus

Competency Field

Vegetation Control

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Prepare to control vegetation

- 1.1** Legislation, regulations, standards, codes of practice and industry workplace requirements for the work to be performed are obtained and confirmed
- 1.2** Work plan is obtained and confirmed in accordance with workplace requirements
- 1.3** Plant, tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in safe working order
- 1.4** Hazards are identified, risks assessed and control measures identified and applied
- 1.5** Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements
- 1.6** Work permits are received and signed in accordance with workplace requirements
- 1.7** Safety observer role and responsibilities are discussed and confirmed in accordance with workplace requirements
- 1.8** Communication method between the workers and safety observer is determined and confirmed in accordance with workplace requirements
- 1.9** Safe approach distances and vegetation clearances for the work to be performed are determined and confirmed in accordance with workplace requirements
- 1.10** Worksite is prepared in accordance with the work plan and workplace requirements
- 1.11** Traffic management plan is confirmed as being in place in accordance with workplace requirements

2 Control vegetation

- 2.1** Legislation, regulations, standards, codes of practice and industry workplace requirements for the work to be performed are applied and monitored
- 2.2** Lifting, working at heights and the use of plant, tools

and equipment are carried out in accordance with workplace requirements

- 2.3 Hazard control measures are monitored in accordance with workplace requirements
- 2.4 Safety observer is positioned to observe the work in accordance with workplace requirements
- 2.5 Communication methods between workers and safety observer are used in accordance with workplace requirements
- 2.6 Safe approach distances are maintained when the work is being performed
- 2.7 Vegetation control is performed in accordance with work plan and workplace requirements
- 2.8 Incidents or unplanned events are responded to in accordance with workplace requirements
- 2.9 Quality checks of work are undertaken in accordance with work plan and workplace requirements
- 3 **Complete work and documentation**
 - 3.1 Completed work is checked for compliance against the work plan and workplace requirements
 - 3.2 Work permits are signed off in accordance with workplace requirements
 - 3.3 Incidents or unplanned events are reported in accordance with workplace requirements
 - 3.4 Worksite is rehabilitated, cleaned and made safe in accordance with workplace requirements
 - 3.5 Plant, tools and equipment are cleaned, checked and returned to storage in accordance with workplace requirements
 - 3.6 Work records, reports and documentation are completed in accordance with workplace requirements

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UET Transmission, Distribution and Rail Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETTDRC29 Control vegetation whilst performing linework.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>

Assessment Requirements for UETDRVC003 Control vegetation for powerline work

Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package Release 2.0.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying relevant legislation, regulations, standards, codes of practice and organisational workplace requirements, including:
 - work health and safety (WHS)/occupational health and safety (OHS)
 - safe approach distances
 - vegetation clearances
- identifying hazards and assessing risks
- identifying, applying and monitoring control measures
- obtaining and signing on and off relevant work permits in accordance with workplace requirements
- obtaining, inspecting and using relevant personal protective equipment (PPE)
- confirming safety observer is in position in accordance with workplace requirements
- communicating with the safety observer during the vegetation control work, including:
 - verbal
 - non-verbal
- pruning vegetation in accordance with workplace requirements, including:
 - using techniques for shaping, forming and controlling/managing epicormic regrowth
 - using appropriate cutting techniques for branch removal
 - providing clearance for electrical apparatus
 - applying the principles of compartmentalization of decay in trees (CODIT)
 - determining the correct location for the final cut
 - using species-appropriate pruning techniques
- using specialised tools and equipment safely
- performing pre-operational checks on specialised tools and equipment
- undertaking vegetation control measures using the following:
 - hand clearing
 - specialised tools and equipment
- dealing with an unplanned event on at least one (1) occasion

- completing relevant work records, reports and documentation.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- relevant legislation, regulations, standards, codes of practice and organisational workplace requirements, including:
 - WHS/OHS
 - safe approach distances
 - vegetation clearances
- hazard, risk assessment and risk control requirements, including potential hazards
- types and application of PPE
- safe use of plant, tools and equipment
- application, purpose and types of permits
- events constituting an unplanned event or incident
- procedures for responding to an unplanned event or incident
- safety observer:
 - role and responsibilities
 - communication methods
- vegetation control principles and techniques
- pruning principles and techniques, including:
 - shaping, forming and controlling epicormic regrowth
 - preventing disease and damage (CODIT)
 - promoting tree health
 - providing clearance for electrical apparatus
 - effects of incorrect pruning
- tree physiology (basic), including:
 - photosynthesis
 - transpiration
 - respiration
 - plant development and growth
- biosecurity practices for pruning, including:
 - sterilisation of clothing, tools and equipment
 - management of debris removal
- specialised pruning tools and equipment, including:
 - inspection
 - care and maintenance
 - storage and transport
- pruning techniques, including:

- feathering
- formative
- preventative
- natural target pruning
- sequence (cutting techniques) for branch removal.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations, where it is appropriate to do so.

Where this is not appropriate, assessment must occur in simulated conditions involving realistic and authentic activities that replicate operational workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, facilities, equipment and PPE currently used in industry for controlling vegetation for powerline work
- applicable documentation, including workplace requirements, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>