



Australian Government

**Assessment Requirements for
UETDRVC24 Assess vegetation and
recommend control measures in an ESI
environment**

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Modification History

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

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 work health and safety (WHS)/occupational health and safety (OHS) requirements, including the use of risk control measures
- applying sustainable energy principles and practices
- confirming operational knowledge associated with the assessment of vegetation and making recommendations prior to working near live electrical apparatus, in all of the following:
 - principles of electricity and the three phase power system
 - power system
 - recognition of aerial voltage systems
 - identification of low voltage (LV) aerial circuits
 - identification of high voltage (HV) aerial circuits
 - safe working zone defined by relevant authorities
 - use of technical standards, acts, regulations, codes /guidelines and established/enterprise/asset owner's procedures
 - system control - information required and function
 - vicinity permit - information required and function
 - sensitive earth fault system
 - environmental principals and procedures
 - safe approach distances (SAD) for insulated cranes and plant
 - SAD for persons and handheld tools
- confirming safe practices associated with the assessment of vegetation and making recommendations prior to working near live electrical apparatus, in all of the following:
 - WHS/OHS safety practices and procedures
 - electric shock and resuscitation
 - release and rescue
 - role of the safety observer
 - events constituting an incident
 - procedures in the event of/responding to incidents

- methods of identifying hazards
- risk assessment procedures
- selection of the best position for monitoring and controlling work (cutting)
- selection of correct line of site to the cutter
- correct observation of the work from ground level
- constant analysis and decision making relevant to the safety of the work taking into account prevailing site conditions (lay of the land) and ongoing weather conditions
- confirming vegetation control associated with the assessment of vegetation and making recommendations prior to working near live electrical apparatus in all of the following:
 - identifying tree types
 - confirming vegetation species and types
 - confirming vegetation cutting techniques for different vegetation
 - confirming appropriate vegetation machinery and equipment to be used
 - using feeder route plans
 - conducting calculations related to loading and slinging
- confirming the safe assessment of vegetation and making recommendations prior to working near live electrical apparatus in all of the following:
 - safely using tools, plant and equipment
 - safely storing, transporting and using chemicals
 - conducting pre -and post-operational checks, inspections and minor maintenance on tools and equipment
 - safely deploying machinery and equipment in varying conditions and weather
 - safely using of appropriate personal protective equipment (PPE)
 - safely cutting/pruning and tree trimming methods
 - correctly advising on vegetation species, types and characteristics
 - correctly advising on cutting plans relevant to the vegetation species and type
 - analysing vegetation control measures, particularly of trees for defects
 - safely assessing vegetation for defects and hazards
 - correctly recommending appropriate pruning and/or cutting processes to be used near live electrical apparatus
 - preparing assessment reports with appropriate recommendations for course of action
- dealing with unplanned events on at least one (1) occasion.

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:

- principles of conducting assessment of the condition and type of vegetation for the purpose of controlling its growth away from live lines encompassing:
 - standards, codes, Commonwealth/state/territory legislation, supply authority regulations, permit requirements and/or enterprise requirements associated with the

cutting/pruning/controlling the growth of vegetation around live powerlines up to the HV live work zone as defined for both instructed and authorised persons in the industry guidelines associated with live electrical apparatus

- techniques in established procedures for defining species of vegetation and tree characteristics, including obvious tree defects and hazards
- techniques in selecting the relevant and suitably appropriate vegetation removal method
- techniques in identifying obvious hazards and risk assessment control measures that encompass job safety assessment and compliance with relevant state or territory regulatory agencies/bodies, local government legislation, industry bi-partite bodies, guidelines/codes of practices or other related requirements for safe work and access near live electrical and mechanical apparatus
- techniques in determining the appropriate safe working methods up to the defined “safe working zone” near energised electrical apparatus (including electrical powerlines) for non-electrical worker/ordinary persons
- safety precautions working on vegetation control - safe working clearances from live line; identifying WHS/OHS hazards; assessing and controlling WHS/OHS risks; types, selection, maintenance and uses of PPE; permit to work systems and isolation procedures; safe working practices when using specialised equipment; and emergency response and rescue, including first aid, working at heights and in confined spaces
- techniques in establishing the appropriate safe work methods and/or type of plant, tools and/or equipment to control vegetation - the selection of the most appropriate tools, such as chainsaws, mowers, saws, trimmers and/or the most appropriate chemical applicator
- use and application of plant, tools and equipment use to control vegetation - chainsaws, mowers, saws, trimmers and chemicals
- techniques in communicating and relaying information to other personnel
- techniques in compiling and recording assessment data collected
- enterprise-specific vegetation control equipment encompassing:
 - types and application of vegetation mulching tools
 - types and application of herbicide application equipment
 - purpose and use of cutting plans relevant to the vegetation type
 - cutting techniques of vegetation control tools and equipment
 - types of PPE used in conjunction with vegetation control equipment - head protection, eye protection, hearing protection, hand protection, foot protection, body protection and general protection.

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:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and PPE currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

UET Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>