



Australian Government

UETTDRVC27 Monitor safety compliance of vegetation control work in an ESI environment

Release: 1

UETTDRC27 Monitor safety compliance of vegetation control work in an ESI environment

Modification History

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

Application

This unit involves the skills and knowledge required to monitor safety compliance of vegetation control work in an electrical supply industry (ESI) environment.

It includes observing, spotting, rendering warnings to stop unsafe work activities, and/or encroachment of ordinary persons, public, personnel and mobile plant and equipment into the safe approach distance (SAD) as defined for persons and mobile plant and equipment. A person designated as a safety observer and solely dedicated to the role normally carries out this work.

It also includes the preparation of risk assessment control measures, including job safety assessment. All work and zones are undertaken in compliance with relevant state or territory regulatory agencies/bodies, local government legislation, industry bi-partite body guidelines/codes of practice or other related requirements for safe work and access near live electrical and mechanical apparatus.

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

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

Pre-requisite Unit

Common Unit Group

UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

UETTDREL13 Comply with sustainability, environmental and incidental response policies and procedures

UETTDREL14 Working safely near live electrical apparatus as a non-electrical worker

UETTDRC23 Plan the removal of vegetation up to vegetation exclusion zone near live electrical apparatus

Competency Field

Vegetation

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to control and monitor safety compliance for vegetation work near live electrical apparatus

PERFORMANCE CRITERIA

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

- 1.1** Work plan and workplace procedures are received, confirmed and communicated with relevant personnel
- 1.2** Work is prioritised and sequenced for completion within acceptable timeframes following consultation with relevant personnel and in accordance with workplace procedures
- 1.3** Work health and safety (WHS)/occupational health and safety (OHS) and environmental workplace procedures are obtained and confirmed
- 1.4** Person designated as safety observer acknowledges and confirms responsibilities of role
- 1.5** Hazards are identified, WHS/OHS risks assessed and control measures identified in accordance with workplace procedures
- 1.6** Relevant work permits are confirmed and signed in accordance with workplace procedures
- 1.7** Suitable communication methods between the safety observer and vegetation control worker are identified and confirmed
- 1.8** Resources, including equipment, tools and personal protective equipment (PPE), required for the job are obtained and confirmed in working order in accordance with workplace procedures
- 1.9** Communication barriers between the safety observer and vegetation control workers are identified and confirmed

- 1.10 Client issues are referred to appropriate personnel in accordance with workplace procedures
 - 1.11 Worksite is prepared to minimise risk, damage to property, commerce and individuals in accordance with workplace procedures
 - 1.12 Work schedule is prepared to produce a quality outcome, follow sustainable energy principles and practices, and to minimise risk and damage to property, commerce, stock and individuals in accordance with workplace procedures
 - 1.13 Traffic management is checked as implemented in accordance with workplace procedures
- 2 **Perform control and monitoring of safety compliance for vegetation work near live electrical apparatus**
 - 2.1 WHS/OHS, sustainable energy and environmental principles and practices are monitored and followed to reduce incidents of accidents in accordance with workplace procedures
 - 2.2 Requirements for lifting, climbing, working at heights and the use of power tools/equipment are followed in accordance with workplace procedures
 - 2.3 Person designated as safety observer positions themselves to obtain an unobstructed view of the vegetation control work
 - 2.4 Safety compliance is controlled and monitored for vegetation work near live electrical apparatus in accordance with cutting plans and workplace procedures
 - 2.5 Hazard warnings and safety signs are recognised and hazards and assessed WHS/OHS risks are reported/referred to immediate authorised personnel for directions in accordance with workplace procedures
 - 2.6 Unplanned events are referred to relevant authorised personnel for directions in accordance with workplace procedures
 - 2.7 Work is performed in accordance with cutting plans and workplace procedures
 - 2.8 Problems associated with the control of safety compliance and monitoring for vegetation work near live electrical apparatus is responded to using acquired

		known solutions and skills related to routine procedures to ensure work instructions and workplace procedures are met
	2.9	Quality checks of work are undertaken in accordance with industry standards and workplace procedures
3 Complete the control and monitoring of safety compliance for vegetation work near live electrical apparatus	3.1	Completed work is checked against work schedule, cutting plans and drawings for compliance and anomalies are reported in accordance with workplace procedures
	3.2	WHS/OHS and environmental incidents are reported in accordance with workplace procedures, as required
	3.3	Worksite is rehabilitated, cleaned up and made safe, and sustainable energy principles and practices applied in accordance with given instructions and workplace procedures or agreed standards
	3.4	Tools, equipment and surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with workplace procedures
	3.5	Relevant personnel are notified of work completion in accordance with workplace procedures
	3.6	Relevant work permits are signed off in accordance with workplace procedures
	3.7	Work records, reports and/or documentation are completed in accordance with workplace procedures

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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETTDRVC27A Monitor safety compliance of vegetation control work in an ESI environment.

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>

Assessment Requirements for UETTDRVC27 Monitor safety compliance of vegetation control work in an ESI environment

Modification History

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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 monitoring safety compliance for vegetation work near live electrical apparatus in all the following:
 - principles of electricity, 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 and ordinary person zone so defined by relevant authorities
 - use of technical standards, acts, regulations, codes/guidelines and established/enterprise/asset owner's procedures
 - switching requirements for authorised tree trimming work on voltage overhead lines
 - system control - information required and function
 - vicinity permit - information required and function
 - sensitive earth fault (SEF) system
 - confirm environmental principals and procedures
- confirming safe practices associated with the monitoring safety compliance for vegetation work near live electrical apparatus in all 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
 - selection of the best position for monitoring and controlling work (cutting)

- selection of correct line of sight to the cutter
- correct observation of the work from ground level
- constant analysis and decision making relevant to the safety of the work, considering prevailing site conditions (lay of the land) and on-going weather conditions
- confirming hazards and risk assessment procedures associated with the monitoring safety compliance for vegetation work near live electrical apparatus in all the following:
 - identifying hazards
 - conducting risk assessment procedures
 - conducting worksite hazard assessment
 - identifying essential components of hazards assessment checks
 - identifying pre-job hazard assessment check (HAC) items
 - conducting worksite hazard and risk assessment checklist
 - identifying procedures for planned inspection
- confirming vegetation control associated with the monitoring safety compliance for vegetation work near live electrical apparatus in all 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
 - identifying duties of safety observers at the worksite
- 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:

- responsibilities of a safety observer, including:
 - Commonwealth/state/territory and local government legislation, standards, codes, supply authority regulations and/or enterprise requirements, including relevant certification and licensing applicable to the duties and responsibilities of a safety observer
- areas of responsibility, such as:
 - understanding of their responsibilities
 - the responsibilities of others at the worksite
 - importance of not getting involved in anything else
- enterprise-specific protocols and procedures
- emergency response and rescue, including first aid
- enterprise-specific duties of a safety observer
- techniques in observing others in the safe performance of their work, including:
 - understanding of the work to be undertaken

- safe approach distances (SAD) for:
 - vehicles
 - plant/equipment
 - people
 - hand-held tools
- vegetation
- special limits of approach for authorised persons only
- proximity to electrical and telecommunications apparatus.

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 personal protective equipment (PPE) currently used in industry
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

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