



Australian Government

TLIF3015A Work safely as a non-electrical licensed worker near electrical assets

Release 1

TLIF3015A Work safely as a non-electrical licensed worker near electrical assets

Modification History

Release 1. This is the first release of this unit.

Unit Descriptor

This unit involves the skills and knowledge required to work safely near electrical assets as a non-electrical licensed worker.

Licensing, legislative, regulatory and certification requirements are applicable to this unit.

Application of the Unit

This unit applies to workers whose role requires them to work within the vicinity of electrical assets.

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Nil

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

Prepare to work safely near electrical assets

- 1.1 Relevant state/territory safe work legislative requirements are identified
- 1.2 Unsafe distances (clearance zones, no go zones or exclusion zones) near low and high voltage power lines are confirmed and applied to safe work planning
- 1.3 Safe work practices and procedures are planned in accordance with state/territory regulatory requirements, codes of practice and workplace policies
- 1.4 Safe approach distances are identified and confirmed in accordance with state/territory legislation
- 1.5 Potential hazards are identified, risks are assessed and risk control options are prioritised and documented in accordance with workplace operating procedures and state/territory regulatory requirements
- 1.6 Incident response plans are developed in accordance with safe systems of work, job safety, environmental analysis, work method statements and state/territory regulatory requirements

Carry out work near electrical assets safely

- 2.1 Appropriate work health and safety (WHS)/occupational health and safety (OHS) principles and practices are applied
- 2.2 Identified hazards are monitored during work tasks
- 2.3 Changes to assessed risks are monitored
- 2.4 Risk control options are implemented, monitored and amended as necessary to ensure safe work operations
- 2.5 Potential risks and hazards are recorded and reported in accordance with workplace policies and state/territory regulatory requirements
- 2.6 Emergency procedures and incident response plans are appropriately prepared for all tasks and implemented if an emergency incident arises
- 2.7 All personnel on the specific task or job site are made aware of the location of emergency procedures and response plans
- 2.8 Content of emergency procedures and response plans is explained

Cease work near electrical assets when safety is compromised

- 3.1 Operation of vehicle is stopped immediately contact with electrical assets is made, in accordance with workplace policies and procedures and state/territory regulatory requirements
- 3.2 Nature of electrical event or potential threat is assessed and communicated to relevant personnel in accordance with workplace policies and procedures and regulatory requirements
- 3.3 Request for emergency services to be contacted is made in accordance with workplace policies and procedures

Evaluate additional potential threats

- 4.1 While remaining in the vehicle additional threats are evaluated and a suitable plan of action to address these additional threats is determined in accordance with workplace policies and procedures, and state/territory regulatory requirements
- 4.2 Location of fallen wires and other threats are determined and all parts of vehicle are treated as live and/or dangerous unless otherwise determined, in accordance with workplace policies and procedures, and state/territory regulatory requirements
- 4.3 People in close proximity are directed to stay clear until area is electrically safe and situation is resolved, in accordance with workplace policies and procedures, and state/territory regulatory requirements
- 4.4 Vehicle is exited according to workplace policies and procedures or as directed by emergency services personnel

Complete relevant documentation

- 5.1 Work schedules and authorisations including safe systems of work, job safety and environmental analysis, work method statements and work permits are documented in accordance with workplace procedures and state/territory regulatory requirements
- 5.2 Incident reports are recorded in accordance with workplace policies and procedures, and state/territory regulatory requirements
- 5.3 Relevant reports, records and data sheets are accurately recorded and lodged in accordance with workplace policies and procedures, and state/territory regulatory requirements

Required Skills and Knowledge

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

Required knowledge:

- Correct use of equipment and any other processes and procedures appropriate for work tasks
- Emergency procedures
- Hazard identification process
- Identification of electrical asset types
- Job/role and related environment skills
- Planning own work including predicting consequences and identifying improvements
- Relevant company policies and procedures
- Relevant legislation, regulations, codes of practice, standards, policies and procedures
- Relevant workplace tasks, skills and knowledge including knowledge of safe approach distances (clearance zones, no go zones and exclusion zones) and reasons for being declared as such
- Risk assessment processes and controls relevant to work site
- Safe work methodologies and strategies
- Safe work practices in relation to local areas of work

Required skills:

- Communicate effectively verbally and in writing using a range of strategies:
 - ensure language used suits target audience
 - give and receive feedback
 - listen
 - question
- Complete and maintain required documentation and records
- Make recommendations for further risk mitigation
- Maintain situational awareness
- Plan and manage time effectively
- Plan for and manage contingencies
- Transfer and apply skills and knowledge to new contexts

Evidence Guide

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

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

The evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the Elements, Performance Criteria, Required Skills, Required Knowledge and include:

- sequencing activities in a way that facilitates the development of competence
- ensuring currency of relevant legislative and regulatory knowledge
- developing effective planning, risk mitigation and problem-solving documents.

Context of and specific resources for assessment

Performance is demonstrated consistently over time and in a suitable range of contexts.

- Resources for assessment include access to:
- workplace where individual or small group work can be conducted
- tools, equipment and personal protective equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on work activities
- range of relevant exercises, case studies and/or other simulated practical and knowledge assessments
- appropriate range of relevant operational situations in the workplace.

In both real (within safe means) and simulated environments, access is required to:

- relevant and appropriate materials and equipment
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

Method of assessment

Practical assessment must occur in:

- an appropriately simulated workplace environment and/or
- a safe and appropriate range of situations in the workplace.

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate to this unit:

- direct observation of the candidate individually or as part of a small group
- direct observation of the candidate applying relevant

WHS/OHS requirements and work practices.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

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| Workplace may include: | <ul style="list-style-type: none">• industry/enterprise or other performance locations• internal or external to vehicle• standard operating and/or other workplace procedures |
| Electrical assets may include: | <ul style="list-style-type: none">• electrical power lines• power poles• satellite disks• telecommunications lines• transformers• transmitters |
| Appropriate personnel may include: | <ul style="list-style-type: none">• emergency services personnel including fire, police, state/territory emergency services, ambulance• first aid officers• fire wardens• representative government regulatory bodies• managers• team leaders/supervisors/technical experts• union/employee representatives |
| Training delivery methods and practise opportunities may include: | <ul style="list-style-type: none">• demonstrations• explanations• group work• on-the-job problem-solving and decision-making• peer mentoring• presentations• problem-solving videos and discussions• scenarios• combinations of the above |
| Participant needs may include: | <ul style="list-style-type: none">• age• cultural, language and educational background• language, literacy and numeracy needs• level of confidence and self-esteem• physical ability• previous learning, training, coaching, mentoring or assessment experience• work organisation or roster |
| Resources may include: | <ul style="list-style-type: none">• codes of practice• emergency services personnel• enterprise/industry standard operating procedures• guideline documents |

Strategies and techniques may include:

- materials and equipment
- regulations
- WHS/OHS and other workplace processes or documentation requirements
- active listening
- group discussion
- points of clarification
- targeted questioning

Unit Sector(s)

Not applicable.

Competency Field

F – Safety Management