



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **UETDRRF09A Apply access procedures to work on or near electrical network infrastructure**

**Release: 1**

## **UETTDRRF09A Apply access procedures to work on or near electrical network infrastructure**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Unit Descriptor**

- 1)
  - 1.1) Descriptor

This Competency Standard Unit covers the performance of the procedures to gain access for work on or near electrical network infrastructure in the context of transmission, distribution or rail work functions. It encompasses responsibilities for, safety and risk management processes at all operative levels and adherence to safety practices as part of the normal way of doing work.

### **Application of the Unit**

#### **Application of the Unit** 4)

This competency standard unit shall be selected as part of an endorsed skill set for the purposes of refresher training and/or to meet regulatory and/or network requirements. Delivery and assessment of this unit should be undertaken within regard to the requirements of License to Practice (1.2 above), Prerequisite Competencies and Literacy and Numeracy skills (2 above) and the recommendations for concurrent assessment and relationship with other units (9.5 below).

Practice in the workplace and during training is also subject to regulations directly related to occupational health and safety and where applicable contracts of training such as apprenticeships.

Note:

1. Compliance with permits may be required in various jurisdictions and typically relates to the operation of plant, machinery and equipment such as elevating work platforms, powder operated fixing tools, power operated tools, vehicles, road signage and traffic control and lifting

## **Application of the Unit** 4)

equipment. Permits may also be required for some work environments such as confined spaces, working aloft, near live electrical apparatus and site rehabilitation.

2. Compliance may be required in various jurisdictions relating to currency in First Aid, confined space, lifting, risk safety measures etc

## **Licensing/Regulatory Information**

### 1.2) License to practice

The skills and knowledge described in this unit may require a licence/registration to practice in the work place subject to regulations for undertaking of electrical work. Practice in workplace and during training is also subject to regulations directly related to Occupational Health and Safety, electricity/telecommunications/gas/water industry safety and compliance, , environmental protection, anti discrimination and training. Commonwealth, State/Territory or Local Government legislation and regulations may exist that limits the age of operating certain equipment.

ESI employees are required to maintain currency in this Unit for authorisation/approval to work on ESI Networks.

## **Pre-Requisites**

### **Prerequisite Unit(s)** 2)

#### 2.1) Competencies

Granting of competency in this unit shall be made only after competency in the following unit(s) has/have been confirmed:

nil

## Employability Skills Information

- Employability Skills**            3)  
This unit contains employability skills.

## Elements and Performance Criteria Pre-Content

- 6) Elements:** Elements describe the essential outcomes of a competency standard unit            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

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
1 Prepare to apply access authority procedures for work on or near electrical network infrastructure	1.1 Rules/Codes of Practice for work on or near electrical hazards and risk control measures for specific work areas and work activities are identified and obtained.
	1.2 Procedures for access authority/work permits including roles and responsibilities are obtained, learnt, understood and tested according to established procedures.
	1.3 Access authority/work permit document is identified, obtained, learnt, and understood for a specific work activity according to established procedures.
2 Carry out access authority procedures for work on or near electrical network infrastructure	2.1 Workplace procedures for confirming personal are appropriately qualified, fit for purpose and sign on to an Access Authority/Work Permit document is followed according to established procedures.
	2.2 Safe Approach Distances and Safety Measures applicable to the work activity are identified and

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
	confirmed according to established procedures
	2.3 Workplace procedures for signing on to an Access Authority/Work Permit are followed.
	2.4 Workplace procedures for individual sign on to a specific role/function identified for the work is followed according to established procedures
	2.5 Workplace procedures confirming issue and commencement of work under an Access Authority/Work Permit document are communicated according to established procedures.
3 Complete access authority procedures for work on or near electrical network infrastructure	3.1 Workplace procedures confirming work completion or suspension is communicated in accordance with established procedures.
	3.2 Workplace procedures to ensure all personnel signed on to an Access Authority/Work Permit document; sign off in accordance with established procedures.
	3.3 Workplace procedures to cancel or suspend an Access Authority/Work Permit document is performed in accordance with established procedures.

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

**7) Essential Knowledge and Associated Skills (EKAS):** This describes the essential skills and knowledge and their level, required for this unit.

Evidence shall show that knowledge has been acquired of applying access procedures to work on or near electrical network infrastructure

All knowledge and skills detailed in this unit should be contextualised to current industry practices and technologies.

The extent of the essential knowledge and associated skills (EKAS) required is given in Volume 2 - Part 2.2 EKAS. It forms an integral part of this unit.

#### T2.5.5 Powerline clearances and approach distances

## Evidence Guide

### EVIDENCE GUIDE

9) This provides essential advice for assessment of the competency standard unit and must be read in conjunction with the Performance Criteria and the range statement of the competency standard unit and the Training Package Assessment Guidelines. The Evidence Guide forms an integral part of this Competency Standard Unit and shall be used in conjunction with all component parts of this unit and, performed in accordance with the Assessment Guidelines of this Training Package.

#### Overview of Assessment

##### 9.1)

In accordance with the National Refresher Training Recognition Protocol for the Electricity Supply Industry, this unit is identified as a Refresher Training unit and is only available for use by industry to meet industry protocols and regulatory requirements.

Industry has defined Refresher Training as:

"A competency confirmation event which may include training, the purpose of which is to compensate for or prevent deterioration in a previously achieved standard of performance"

Under the protocol and the applicable State or Territory legislative and regulatory requirements, Electricity Supply Industry employees are required to maintain currency in this Unit for authorisation/approval to work on ESI Networks.

Industry accepts that opportunities to practice emergency procedures are generally restricted to simulated exercises in a controlled environment during competency confirmation programs.

The critical safety nature of working with electricity, electrical equipment, gas or any other hazardous substance/material carries risk in deeming a person competent. Hence, sources of evidence need to be 'rich' in nature so as to minimise error in judgment.

Methods chosen for a particular assessment will be influenced by various factors. These include the extent of the assessment, the most effective locations for the assessment activities to take place, access to physical resources, additional safety measures that may be required and the critical nature of the competencies being assessed.

These points are raised for the assessors to consider when choosing an assessment method and developing assessment instruments.

An industry endorsed Learning Assessment Plan has been developed to support this unit.

## EVIDENCE GUIDE

Critical aspects of evidence required to demonstrate competency in this unit

9.2)

Before the critical aspects of evidence are considered all prerequisites shall be met.

- Evidence for competence in this unit shall be considered holistically. Each element and associated Performance Criteria shall be demonstrated at each competency confirmation event.

In accordance with State and Territory regulations and the "Assessment Guidelines - UET09". Evidence shall also comprise:

- A performance demonstrated within the timeframes typically expected of the rescue procedure. In particular the assessment of this unit shall confirm that a candidate is able to:
- Implement Occupational Health and Safety workplace procedures and practices including the use of risk control measures as specified in the Performance Criteria and range; and
- Demonstrate an understanding of the essential knowledge and associated skills as described in this unit to such an extent that the learner's performance outcome is reported in accordance with the preferred approach; namely a percentile graded result, where required by the regulated environment; and
- Demonstrate an appropriate level of employability skills; and
- Conduct work observing the relevant Anti Discrimination legislation, regulations, policies and workplace procedures; and
- Demonstrated performance across a representative range of contexts from the prescribed items below:

<b>Range of tools/equipment/materials/procedures/workplaces/other variables</b>		
<b>Group No</b>	<b>The minimum number of items on which skill is to be demonstrated</b>	<b>Item List</b>



## EVIDENCE GUIDE

A	All, to the satisfaction of the network operator's assessor:	Identify Rules/Codes of Practice for work on or near electrical hazards and risk control measures for specific work areas and work activities
B	All, to the satisfaction of the network operator's assessor	Identify roles and responsibilities for individuals relating to Access Authority/Work Permit procedures
C	All, to the satisfaction of the network operator's assessor	Identify the Access Authority/Work Permit document for a specific work activity according to established procedures
D	All, to the satisfaction of the network operator's assessor	Workplace procedures for confirming personal are appropriately qualified, fit for purpose and sign on to an Access Authority/Work Permit document
E	All, to the satisfaction of the network operator's assessor	Identify Safe Approach Distances and Safety Measures applicable to the work activity according to established procedures
F	All, to the satisfaction of the network operator's assessor	Workplace procedures for signing on to an Access Authority/Work Permit
G	All, to the satisfaction of the network operator's assessor	Workplace procedures for sign on to a specific role/function identified on an Access Authority/Work Permit
H	All, to the satisfaction of the network	Workplace procedures to confirm issue and commencement of work

## EVIDENCE GUIDE

	operator's assessor	under an Access Authority/Work Permit document
I	All, to the satisfaction of the network operator's assessor	Workplace communication procedures to confirm work is completed or suspended
J	All, to the satisfaction of the network operator's assessor	Workplace procedures to ensure all personnel signed on to an Access Authority/Work Permit document; sign off in accordance with established procedures
K	All, to the satisfaction of the network operator's assessor	Workplace procedures to cancel or suspend an Access Authority/Work Permit document

Context of and specific resources for assessment

9.3)

This unit should be assessed as it relates to normal work practice using procedures, information and resources typical of a workplace. This should include:

- OHS policy and work procedures and instructions.
- Suitable work environment, facilities, equipment and materials to safely undertake network access/work permit procedures in the workplace.

In addition to the resources listed above, in Context of and specific resources for assessment, evidence should show demonstrated competency working in a realistic environment and a variety of conditions.

## EVIDENCE GUIDE

Method of assessment	<p>9.4)</p> <p>This Competency Standard Unit shall be assessed by methods given in Volume 1, Part 3 "Assessment Guidelines".</p> <p>Note:</p> <p>Competent performance with inherent safe working practices is expected in the Industry to which this Competency Standard Unit applies. This requires that the specified essential knowledge and associated skills are assessed in a structured environment which is primarily intended for learning/assessment and incorporates all necessary equipment and facilities for learners to develop and demonstrate the essential knowledge and associated skills described in this unit.</p>
Concurrent assessment and relationship with other units	<p>9.5)</p> <p>For optimisation of training and assessment effort, competence in this unit is not recommended to be assessed concurrently with any other unit.</p>

## Range Statement

### RANGE STATEMENT

8) This relates to the competency standard unit as a whole providing the range of contexts and conditions to which the Performance Criteria apply. It allows for different work environments and situations that will affect performance.

This Competency Standard Unit shall be demonstrated in relation to performing access authority procedures for work on or near electrical network infrastructure in the workplace and will include the following:

Identification, learning and application of Rules/Codes of Practice as they apply to Access Authority/Work Permit systems for work on or near electrical network infrastructure.

Understanding safe approach distances and safety measures applicable to work on or near electrical network infrastructure

Applying work procedures and instructions as they apply to risk control and personal safety measures.

Understanding the roles and responsibilities applicable to the operation of an Access Authority/Work Permit System for work on or near electrical network infrastructure.

Identifying and completing an Access Authority/Work Permit document for a designated role.

Understanding the processes and systems applicable to issue, suspension and cancellation of an Access Authority/Work Permit document.

Participation in consultation processes, identifying hazards and implementing and monitoring control measures at the work site.

The following constants and variables included in the element/Performance Criteria in this unit are fully described in the Definitions Section 1 of this volume and form an integral part of the Range Statement of this unit:

- Appropriate and relevant persons
- Assessing risk
- Assessment
- Authorisation
- Emergency
- Established procedures
- Fall prevention
- Hazards
- Identifying hazards
- Inspect
- Legislation
- Notification
- OHS practices
- OHS issues

## RANGE STATEMENT

- Permits and/or permits to work
- Personnel
- Requirements
- Testing procedures
- Work clearance systems

## Unit Sector(s)

Not Applicable

## 2.2) Literacy and numeracy skills

### 2.2) Literacy and numeracy skills

Participants are best equipped to achieve this unit if they have reading, writing and numeracy skills indicated by the following scales. Description of each scale is given in Volume 2, Part 3 "Literacy and Numeracy"

Reading	3	Writing	3	Numeracy	3
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## Competency Field

Competency Field 5)  
Refresher Training Unit