



Australian Government

**UET30621 Certificate III in ESI -
Distribution Overhead**

Release 2

UET30621 Certificate III in ESI - Distribution Overhead

Modification History

Release 2. Units added in Elective Group B and superseded elective units updated:

- UETDRIS023
- UETDRIS024

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

Qualification Description

This qualification provides the skills and knowledge to work in the electricity supply industry (ESI) as an Overhead Distribution Lineworker.

This qualification covers the installation, maintenance and inspection of poles, structures, hardware, electrical apparatus and the use of support plant, tools and equipment.

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

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

Entry Requirements

There are no entry requirements for this qualification

Packaging Rules

A total of **24 units** comprising:

- **20 core units** listed below; plus
- **4 elective units** from Group A elective units listed below, of which, 1 elective unit may be selected with appropriate contextualisation from a qualification in this or any other endorsed Training Package, provided the selected unit contributes to the vocational outcome of the qualification.

Where imported units are selected, care must be taken to ensure all prerequisite units specified are complied with. Prerequisites attached to any of the units must be obtained and are additional to the number of units required for the qualification.

Where a prerequisite is attached to a unit it is identified by the symbol ⊥.

The units within Group B electives are used by ESI workers to meet work health and safety (WHS)/occupational health and safety (OHS), mobility and mutual aid requirements. (Refer Transmission, Distribution and Rail Sector Companion Volume Implementation Guide for

further information)

Core units

AHCMOM213 Operate and maintain chainsaws

CPCCLDG3001 Licence to perform dogging

TLILIC0005 Licence to operate a boom-type elevating work platform (boom length 11 metres or more)

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

UEECD0019 Fabricate, assemble and dismantle utilities industry components
└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UEECD0044 Solve problems in multiple path circuits
└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
└ UEECD0046 Solve problems in single path circuits

UEECD0046 Solve problems in single path circuits
└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UEEEL0020 Solve problems in low voltage a.c. circuits
└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
└ UEEEL0021 Solve problems in magnetic and electromagnetic devices and
└ UEECD0043 Solve problems in direct current circuits
or
└ UEECD0044 Solve problems in multiple path circuits
└ UEECD0046 Solve problems in single path circuits

UEEEL0021 Solve problems in magnetic and electromagnetic devices
└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

- and
- └ UEECD0043 Solve problems in direct current circuits
- or
- └ UEECD0044 Solve problems in multiple path circuits
 - └ UEECD0046 Solve problems in single path circuits
- UETDREL001 Apply environmental requirements
- UETDREL004 Operate plant and equipment in the vicinity of live electrical apparatus
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- UETDREL005 Work safely in the vicinity of live electrical apparatus
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- UETDRDO001 Inspect overhead poles, structures and electrical apparatus
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ UETDREL001 Apply environmental requirements
 - └ UETDREL005 Work safely in the vicinity of live electrical apparatus
- UETDRDO005 Maintain overhead energised low voltage distribution network
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0019 Fabricate, assemble and dismantle utilities industry components
 - └ UEECD0044 Solve problems in multiple path circuits
 - └ UEECD0046 Solve problems in single path circuits
 - └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ UEEEL0020 Solve problems in low voltage a.c. circuits
 - └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
 - └ 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
 - └ UETDRIS007 Install and maintain distribution overhead conductors and

cables

└ UETDRIS012 Install and maintain poles, structures and hardware

UETDRDO006 Maintain, test and verify distribution overhead network

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

└ UEECD0019 Fabricate, assemble and dismantle utilities industry components

└ UEECD0044 Solve problems in multiple path circuits

└ UEECD0046 Solve problems in single path circuits

└ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

└ UEEEL0020 Solve problems in low voltage a.c. circuits

└ UEEEL0021 Solve problems in magnetic and electromagnetic devices

└ UETDRDO001 Inspect overhead poles, structures and electrical apparatus

└ UETDRDO005 Maintain overhead energised low voltage distribution network

└ 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

└ UETDRIS007 Install and maintain distribution overhead conductors and cables

└ UETDRIS008 Install and maintain electrical apparatus

└ UETDRIS010 Install and maintain low voltage overhead services

└ UETDRIS012 Install and maintain poles, structures and hardware

UETDRIS007 Install and maintain distribution overhead conductors and cables

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

└ UEECD0019 Fabricate, assemble and dismantle utilities industry components

└ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

└ 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

- └ UETDRIS012 Install and maintain poles, structures and hardware
- UETDRIS008 Install and maintain electrical apparatus
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0019 Fabricate, assemble and dismantle utilities industry components
 - └ UEECD0044 Solve problems in multiple path circuits
 - └ UEECD0046 Solve problems in single path circuits
 - └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ UEEEL0020 Solve problems in low voltage a.c. circuits
 - └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
 - └ 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 and
 - └ UETDRDU013 Joint, terminate and maintain high voltage underground polymeric cable
 - └ UETDRDU015 Joint, terminate and maintain low voltage underground polymeric cable
- or
- └ UETDRIS007 Install and maintain distribution overhead conductors and cables
 - └ UETDRIS012 Install and maintain poles, structures and hardware
- UETDRIS010 Install and maintain low voltage overhead services
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0019 Fabricate, assemble and dismantle utilities industry components
 - └ UEECD0044 Solve problems in multiple path circuits
 - └ UEECD0046 Solve problems in single path circuits
 - └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ UEEEL0020 Solve problems in low voltage a.c. circuits
 - └ UEEEL0021 Solve problems in magnetic and electromagnetic devices

- └ 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
- UETDRIS012 Install and maintain poles, structures and hardware
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0019 Fabricate, assemble and dismantle utilities industry components
 - └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ 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

Group A: Elective units

- AVIW0006 Perform infrastructure inspections using remote operated systems
- UETDREL003 Identify and apply controls for alternate supplies on the distribution network
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0044 Solve problems in multiple path circuits
 - └ UEECD0046 Solve problems in single path circuits
 - └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ UEEEL0020 Solve problems in low voltage a.c. circuits
 - └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
 - └ UETDREL001 Apply environmental requirements
 - └ UETDREL005 Work safely in the vicinity of live electrical apparatus
 - └ UETDRIS018 Perform low voltage field switching operation to a given schedule
- UETDRIS011 Install and maintain low voltage underground services
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0019 Fabricate, assemble and dismantle utilities industry components

- └ UEECD0044 Solve problems in multiple path circuits
- └ UEECD0046 Solve problems in single path circuits
- └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
- └ UEEEL0020 Solve problems in low voltage a.c. circuits
- └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
- └ UETDREL001 Apply environmental requirements
- └ UETDREL005 Work safely in the vicinity of live electrical apparatus

UETDRIS013

Install and maintain public lighting systems

- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- └ UEECD0019 Fabricate, assemble and dismantle utilities industry components
- └ UEECD0044 Solve problems in multiple path circuits
- └ UEECD0046 Solve problems in single path circuits
- └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
- └ UEEEL0020 Solve problems in low voltage a.c. circuits
- └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
- └ UETDRDO005 Maintain overhead energised low voltage distribution network
- └ 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
- └ UETDRIS007 Install and maintain distribution overhead conductors and cables
- └ UETDRIS012 Install and maintain poles, structures and hardware

UETDRIS014

Install and replace energy meters and associated equipment

- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- └ UEECD0019 Fabricate, assemble and dismantle utilities industry components
- └ UEECD0044 Solve problems in multiple path circuits
- └ UEECD0046 Solve problems in single path circuits
- └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and

specifications

- └ UEEEL0020 Solve problems in low voltage a.c. circuits
- └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
- └ UETDREL001 Apply environmental requirements

UETDRIS015 Install low voltage mobile generator

- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- └ UEECD0044 Solve problems in multiple path circuits
- └ UEECD0046 Solve problems in single path circuits
- └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
- └ UEEEL0020 Solve problems in low voltage a.c. circuits
- └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
- └ UETDREL001 Apply environmental requirements
- └ UETDREL005 Work safely in the vicinity of live electrical apparatus

UETDRIS017 Perform high voltage field switching operation to a given schedule

- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- └ UEECD0044 Solve problems in multiple path circuits
- └ UEECD0046 Solve problems in single path circuits
- └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
- └ UEEEL0020 Solve problems in low voltage a.c. circuits
- └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
- └ 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
- └ UETDRIS018 Perform low voltage field switching operations to a given schedule

UETDRIS018 Perform low voltage field switching operation to a given schedule

- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- └ UEECD0044 Solve problems in multiple path circuits
- └ UEECD0046 Solve problems in single path circuits

- └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ UEEEL0020 Solve problems in low voltage a.c. circuits
 - └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
 - └ UETDREL001 Apply environmental requirements
 - └ UETDREL005 Work safely in the vicinity of live electrical apparatus
- UETDRIS023 Develop and validate high voltage distribution switching programs
- UETDRIS024 Develop and validate low voltage distribution switching programs
- UETDRSB001 Perform substation switching operations to a given schedule
- UETDRVC003 Control vegetation for powerline work
- └ 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

Group B: Elective Units

- HLTAID009 Provide cardiopulmonary resuscitation
- UETDRMP001 Apply access authority procedures to work on or near electrical apparatus
- └ UETDRMP002 ESI safety rules for work on, near or in the vicinity of electrical apparatus
- UETDRMP002 ESI safety rules for work on, near or in the vicinity of electrical apparatus
- UETDRMP003 Perform cable pit/trench/excavation rescue
- └ HLTAID009 Provide cardiopulmonary resuscitation
- and
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UETDREL005 Work safely in the vicinity of live electrical apparatus
- or
- └ UETDREL006 Work safely in the vicinity of live electrical apparatus as a non-electrical worker

- UETDRMP004 Perform elevated work platform controlled descent escape
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- or
- └ TLILIC0005 Licence to operate a boom-type elevating work platform (boom length 11 metres or more)
- UETDRMP005 Perform elevated work platform rescue
- └ HLTAID009 Provide cardiopulmonary resuscitation
- and
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- or
- └ TLILIC0005 Licence to operate a boom-type elevating work platform (boom length 11 metres or more)
- or
- └ UETDREL006 Work safely in the vicinity of live electrical apparatus as a non-electrical worker
- UETDRMP006 Perform pole top rescue
- └ HLTAID009 Provide cardiopulmonary resuscitation
- and
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- └ UETDREL005 Work safely in the vicinity of live electrical apparatus
- or
- └ UETDREL006 Work safely in the vicinity of live electrical apparatus as a non-electrical worker
- UETDRMP007 Perform rescue from a live low voltage panel
- └ HLTAID009 Provide cardiopulmonary resuscitation
- and
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- or
- └ UETDREL006 Work safely in the vicinity of live electrical apparatus as a non-electrical worker
- UETDRMP008 Perform rescue from switchyard structures

- └ HLT AID009 Provide cardiopulmonary resuscitation
- └ UETDRMP002 ESI safety rules for work on, near or in the vicinity of electrical apparatus
- UETDRMP009 Perform tower rescue
 - └ HLT AID009 Provide cardiopulmonary resuscitation
 - and
 - └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - or
 - └ CPCCLDG3001 Licence to perform dogging
 - └ CPCCLRG3001 Licence to perform rigging basic level
- UETDRMP010 Provide first aid in an ESI environment
 - └ HLT AID009 Provide cardiopulmonary resuscitation
- UETDRMP011 Testing of connections to low voltage electricity networks
 - └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0019 Fabricate, assemble and dismantle utilities industry components
 - └ UEECD0044 Solve problems in multiple path circuits
 - └ UEECD0046 Solve problems in single path circuits
 - └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ UEEEL0020 Solve problems in low voltage a.c. circuits
 - └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
 - └ UETDREL001 Apply environmental requirements
 - and
 - └ UETDREL004 Operate plant and equipment in the vicinity of live electrical apparatus
 - └ UETDREL005 Work safely in the vicinity of live electrical apparatus
 - └ UETDRIS010 Install and maintain low voltage overhead services
 - or
 - └ UETDREL005 Work safely in the vicinity of live electrical apparatus
 - └ UETDRIS011 Install and maintain low voltage underground services
 - or

- └ UETDRIS014 Install and replace energy meters and associated equipment
- UETDRMP012 Working on energised low voltage overhead electrical apparatus
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0019 Fabricate, assemble and dismantle utilities industry components
 - └ UEECD0044 Solve problems in multiple path circuits
 - └ UEECD0046 Solve problems in single path circuits
 - └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ UEEEL0020 Solve problems in low voltage a.c. circuits
 - └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
 - └ UETDRDO005 Maintain overhead energised low voltage distribution network
 - └ 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
 - └ UETDRIS007 Install and maintain distribution overhead conductors and cables
 - └ UETDRIS012 Install and maintain poles, structures and hardware
- UETDRMP013 Working on energised low voltage underground electrical apparatus
- └ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
 - └ UEECD0019 Fabricate, assemble and dismantle utilities industry components
 - └ UEECD0044 Solve problems in multiple path circuits
 - └ UEECD0046 Solve problems in single path circuits
 - └ UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications
 - └ UEEEL0020 Solve problems in low voltage a.c. circuits
 - └ UEEEL0021 Solve problems in magnetic and electromagnetic devices
 - └ UETDRDU011 Joint, terminate and maintain energised low voltage underground polymeric cable
 - └ UETDRDU015 Joint, terminate and maintain low voltage underground polymeric cable

- └ UETDREL001 Apply environmental requirements
- └ UETDREL005 Work safely in the vicinity of live electrical apparatus

Qualification Mapping Information

This qualification replaces and is equivalent to UET30619 Certificate III in ESI - Power Systems - Distribution Overhead

Links

Companion Volume Implementation Guides are found in VETNet -

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