



Australian Government

UET30621 Certificate III in ESI - Distribution Overhead

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Modification History

Release	Comments
3	Superseded elective units updated: <ul style="list-style-type: none">• UETDRMP014• UETDRMP015• UETDRMP016• UETDRMP017• UETDRMP018• UETDRMP019• UETDRMP020
2	Units added in Elective Group B and superseded elective units updated: <ul style="list-style-type: none">• UETDRIS023• UETDRIS024
1	This qualification was first released in UET Transmission, Distribution and Rail Sector 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.

Licensing/Regulatory Information

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**

The elective units are to be chosen as follows:

- **3 elective units** selected from Group A listed below
- **1 elective unit** may be selected from Group A or Group B 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.

Units of competency that have a pre-requisite requirement are identified by this symbol *. Refer directly to the units of competency to identify pre-requisite requirements to ensure all are complied with.

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

AHCMOM21 3	Operate and maintain chainsaws
CPCCLDG30 01	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*

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*
UETDRDO001	Inspect overhead poles, structures and electrical apparatus*
UETDRDO005	Maintain overhead energised low voltage distribution network*
UETDRDO006	Maintain, test and verify distribution overhead network*
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*
Group A: Elective units	
AVIW0006	Perform infrastructure inspections using remote operated systems
UETDREL003	Identify and apply controls for alternate supplies on the distribution network*
UETDRIS011	Install and maintain low voltage underground services*
UETDRIS013	Install and maintain public lighting systems*
UETDRIS014	Install and replace energy meters and associated equipment*

UETDRIS015	Install low voltage mobile generator*
UETDRIS017	Perform high voltage field switching operation to a given schedule*
UETDRIS018	Perform low voltage field switching operation to a given schedule*
UETDRIS023	Develop and validate high voltage distribution switching programs
UETDRIS024	Develop and validate low voltage distribution switching programs
UETDRSB00 1	Perform substation switching operations to a given schedule
UETDRVC00 3	Control vegetation for powerline work*
Group B: Elective units	
HLTAID009	Provide cardiopulmonary resuscitation
UETDRMP00 1	Apply access authority procedures to work on or near electrical apparatus*
UETDRMP00 2	ESI safety rules for work on, near or in the vicinity of electrical apparatus
UETDRMP01 4	Perform cable pit/trench/excavation rescue*
UETDRMP01 5	Perform elevated work platform controlled descent escape
UETDRMP01 6	Perform elevated work platform rescue*
UETDRMP01 7	Perform pole top rescue └ HLTAID009 Provide cardiopulmonary resuscitation
UETDRMP01 8	Perform rescue from a live low voltage panel*
UETDRMP01 9	Perform rescue from switchyard structures*
UETDRMP02 0	Perform tower rescue*
UETDRMP01 0	Provide first aid in an ESI environment*

UETDRMP01 1	Testing of connections to low voltage electricity networks*
UETDRMP01 2	Working on energised low voltage overhead electrical apparatus*
UETDRMP01 3	Working on energised low voltage underground electrical apparatus*

Pre-requisite Requirements

Unit of competency	Prerequisite requirement
UEEEL0021 Solve problems in magnetic and electromagnetic devices	<p>UEECD0043 Solve problems in direct current circuits</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDRMP018 Perform rescue from a live low voltage panel	HLTAID009 Provide cardiopulmonary resuscitation
UETDRIS008 Install and maintain electrical apparatus	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UETDRIS007 Install and maintain distribution overhead conductors and cables</p> <p>UETDRDU013 Joint, terminate and maintain high voltage underground polymeric cable</p>

	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDRDU015 Joint, terminate and maintain low voltage underground polymeric cable</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UETDRIS012 Install and maintain poles, structures and hardware</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDREL005 Work safely in the vicinity of live electrical apparatus	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UETDREL003 Identify and apply controls for alternate supplies on the distribution network	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UETDRIS018 Perform low voltage field switching operation to a given schedule</p>

	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDRMP001 Apply access authority procedures to work on or near electrical apparatus	UETDRMP002 Apply ESI safety rules, codes of practice and procedures for work on or near electrical apparatus
UETDRVC003 Control vegetation for powerline work	<p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>AHCMOM213 Operate and maintain chainsaws</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p>
UETDRMP011 Testing of connections to low voltage electricity networks	UEEEL0021 Solve problems in magnetic and electromagnetic devices

	<p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UETDRIS010 Install and maintain low voltage overhead services</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDRIS011 Install and maintain low voltage underground services</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UETDRIS014 Install and replace energy meters and associated equipment</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDRMP014 Perform cable pit/trench/excavation rescue	HLTAID009 Provide cardiopulmonary resuscitation
UETDRMP016 Perform elevated work platform rescue	HLTAID009 Provide cardiopulmonary resuscitation

UETDRMP017 Perform pole top rescue	HLTAID009 Provide cardiopulmonary resuscitation
UETDRMP013 Working on energised low voltage underground electrical apparatus	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UETDRDU011 Joint and maintain energised low voltage underground polymeric cables</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDRDU015 Joint, terminate and maintain low voltage underground polymeric cable</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDRIS017 Perform high voltage field switching operation to a given schedule	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p>

	<p>UETDRIS018 Perform low voltage field switching operation to a given schedule</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UEECD0046 Solve problems in single path circuits	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UETDRIS010 Install and maintain low voltage overhead services	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p>

	<p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDRMP019 Perform rescue from switchyard structures	HLTAID009 Provide cardiopulmonary resuscitation
UETDRIS007 Install and maintain distribution overhead conductors and cables	<p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UETDRIS012 Install and maintain poles, structures and hardware</p>

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
UETDRDO005 Maintain overhead energised low voltage distribution network	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UETDRIS007 Install and maintain distribution overhead conductors and cables</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UETDRIS012 Install and maintain poles, structures and hardware</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDRIS018 Perform low voltage field switching operation to a given schedule	UEEEL0021 Solve problems in magnetic and electromagnetic devices

	<p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDRIS015 Install low voltage mobile generator	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UEECD0044 Solve problems in multiple path circuits</p>

<p>UETDRDO006 Maintain, test and verify distribution overhead network</p>	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UETDRIS008 Install and maintain electrical apparatus</p> <p>UETDRIS007 Install and maintain distribution overhead conductors and cables</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UETDRDO005 Maintain overhead energised low voltage conductors and cables</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UETDRIS010 Install and maintain low voltage overhead services</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDRDO001 Inspect overhead poles, structures and electrical apparatus</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UETDRIS012 Install and maintain poles, structures and hardware</p>
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	UEECD0044 Solve problems in multiple path circuits
UETDRMP012 Working on energised low voltage overhead electrical apparatus	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UETDRIS007 Install and maintain distribution overhead conductors and cables</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UETDRDO005 Maintain overhead energised low voltage conductors and cables</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UETDRIS012 Install and maintain poles, structures and hardware</p> <p>UEECD0044 Solve problems in multiple path circuits</p>

UEECD0044 Solve problems in multiple path circuits	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p>
UETDRDO001 Inspect overhead poles, structures and electrical apparatus	<p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p>
UEECD0019 Fabricate, assemble and dismantle utilities industry components	<p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p>
UETDRIS011 Install and maintain low voltage underground services	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p>

	<p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDRIS013 Install and maintain public lighting systems	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UETDRIS007 Install and maintain distribution overhead conductors and cables</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UETDRDO005 Maintain overhead energised low voltage conductors and cables</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UETDREL005 Work safely in the vicinity of live electrical apparatus</p> <p>UETDRIS012 Install and maintain poles, structures and hardware</p>

	UEECD0044 Solve problems in multiple path circuits
UETDRIS014 Install and replace energy meters and associated equipment	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UEEEL0020 Solve problems in low voltage a.c. circuits</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p> <p>UEECD0044 Solve problems in multiple path circuits</p>
UETDRIS012 Install and maintain poles, structures and hardware	<p>UETDREL001 Apply sustainable energy and environmental procedures</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications</p> <p>UETDREL004 Operate plant and equipment near live electrical conductors and apparatus</p> <p>UEECD0019 Fabricate, assemble and dismantle utilities industry components</p>

	UETDREL005 Work safely in the vicinity of live electrical apparatus
UETDRMP010 Provide first aid in an ESI environment	HLTAID009 Provide cardiopulmonary resuscitation
UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications	UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
UETDRMP020 Perform tower rescue	HLTAID009 Provide cardiopulmonary resuscitation
UEEEL0020 Solve problems in low voltage a.c. circuits	<p>UEEEL0021 Solve problems in magnetic and electromagnetic devices</p> <p>UEECD0043 Solve problems in direct current circuits</p> <p>UEECD0007 Apply work health and safety regulations, codes and practices in the workplace</p> <p>UEECD0046 Solve problems in single path circuits</p> <p>UEECD0044 Solve problems in multiple path circuits</p>

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
UET30621 Certificate III in ESI - Distribution Overhead	UET30619 Certificate III in ESI - Power Systems -		Equivalent

	Distribution Overhead		
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Links

Companion volumes, including implementation guides, are found in TGA -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>