



**Australian Government**

# **UEE40320 Certificate IV in Installation Inspection and Audits**

**Release 1**

# UEE40320 Certificate IV in Installation Inspection and Audits

## Modification History

Release 1. This is the first release of this qualification in the UEE Electrotechnology Training Package

## Qualification Description

This qualification covers competencies in mandatory and contractual inspections of electrical systems and auditing of entities for compliance with electrical safety requirements.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

## Entry Requirements

The entry requirement for this qualification is:

- UEE30820 Certificate III in Electrotechnology Electrician

or

- a current 'Unrestricted Electricians Licence' or its equivalent issued in an Australian state or territory.

## Packaging Rules

A total of **440 weighting points** comprising:

**220 core weighting points** listed below; **plus**

**220 general elective weighting points** from the general elective units listed below.

Choose a total of **220 weighting points** elective units from the list below, of which between 0 and **80 weighting points** can be taken from Group A; between 0 and **110 weighting points** can be taken from Group B; and between 110 and **220 weighting points** must be taken from Group C (or all elective **weighting points** can be taken from Group C).

**Up to 80 weighting points of the general elective units Group A**, may be selected, with appropriate contextualisation, from any relevant nationally endorsed Training Package or accredited course, provided selected units contribute to the vocational outcome of the qualification. Previously assigned weighting points are listed in the UEE Electrotechnology Training Package Companion Volume Implementation Guide (CVIG), if not listed weighting points will be 10 points, unless directed from the Electrotechnology Industry Reference Committee (IRC).

There are units of competency within this qualification that contain pre-requisites. 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. A list of all pre-requisites is also provided in the UEE Pre-requisite Companion Volume.

Where imported units are selected, care must be taken to ensure all pre-requisite units specified are complied with.

#### **Core units** **Weighting Points**

UEECD0010	Compile and produce an energy sector detailed report	60
UEECD0024	Implement and monitor energy sector WHS policies and procedures	20
UEECD0027	Participate in development and follow a personal competency development plan	20
UEEEL0029	Conduct compliance inspection of LV electrical installations with demand exceeding 100 A per phase*	40
UEEEL0030	Conduct compliance inspection of single phase LV electrical installations*	60
UEERE0015	Implement and monitor energy sector environmental and sustainable policies and procedures	20

#### **Group A: Imported and common elective units** **Weighting Points**

BSBCUS201	Deliver a service to customers	20
CPCCWHS1001	Prepare to work safely in the construction industry	10
HLTAID001	Provide cardiopulmonary resuscitation	10
ICTICT203	Operate application software packages	20
UEECO0002	Maintain documentation	20

#### **Group B: General elective units** **Weighting Points**

UEECS0033	Use engineering applications software on personal computers	40
UEEEL0013	Install, set up and commission interval metering*	20
UEEEL0045	Diagnose and rectify faults in traction lift systems*	80
UEEEL0049	Install and maintain emergency safety systems*	60
UEEEL0053	Maintain operation of electrical marine equipment and systems*	60

UEEEL0054	Maintain operation of electrical mining equipment and systems*	60
UEEEL0069	Select and arrange equipment for special LV electrical installations*	60
UEEHA0001	Conduct detailed inspection of electrical installations for hazardous areas*	40
UEEHA0002	Conduct visual and close inspection of electrical installations for hazardous areas*	40
UEEHA0003	Determine the explosion-protection requirements to meet a specified classified hazardous area*	40
UEEHA0004	Enter a classified hazardous area to undertake work related to electrical equipment	40
UEEHA0006	Maintain equipment associated with hazardous areas*	60
UEEIC0011	Develop electrical integrated systems*	20
UEEIC0024	Plan the electrical installation of integrated systems*	20
UEEIC0047	Use instrumentation drawings, specifications, standards and equipment manuals*	40
UEERE0016	Install, configure and commission LV grid-connected photovoltaic power systems*	40
UEERE0022	Solve basic problems in photovoltaic energy apparatus and systems*	20

**Group C: General elective units****Weighting Points**

UEEEL0027	Carry out low voltage electrical field testing and report findings*	60
UEEEL0031	Conduct compliance inspection of special LV electrical installations*	60
UEEEL0040	Develop compliance policies and plans to conduct an electrical contracting business*	80
UEEEL0044	Diagnose and rectify faults in complex lift systems*	40
UEEEL0051	Investigate and report on electrical incidents and causes*	60
UEEEL0057	Plan electrical installations with a low voltage demand	40

	up to 400 A per phase*	
UEEEL0059	Plan low voltage switchboard and control panel layouts*	40
UEEEL0072	Set up and place LV electrical apparatus and associated circuits into service*	40
UEEEL0073	Verify compliance and functionality of special LV electrical installations*	40

## Qualification Mapping Information

This qualification replaces and is not equivalent to UEE40311 Certificate IV in Installation Inspection and Audits

## Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>