

UEE 3 20 06

Certificate III in Renewable Energy (ELV)

National Qualification No.

UEE3 20 06

Scope

This qualification provides competencies to select, install, set up, test, fault find, repair and maintain renewable energy systems operating at extra low voltage. It **does not** include ERAC requirements for an “Electrician’s licence”.

Completion requirements

The requirements for awarding this qualification are that the following are successfully achieved:

- All of the Core competency standard units;
- The required number of Stream Core competency standard units;
- The required number of Elective competency standard units as prescribed in the respective Schedule; and
- All the required prerequisite competency standard units having being met as required by each competency standard unit.

Core Competency Standard Units

All Core competency standard units to be achieved

UEENEEC020A	Participate in electrical work and competency development activities
UEENEEE001A	Apply OHS practices in the workplace
UEENEEE002A	Dismantle, assemble and fabricate electrotechnology components
UEENEEE003A	Solve problems in extra-low voltage single path circuits
UEENEEE004A	Solve problems in multiple path d.c. circuits
UEENEEE005A	Fix and secure equipment
UEENEEE007A	Use drawings, diagrams, schedules and manuals
UEENEEE008A	Lay wiring/cablings and terminate accessories for extra-low voltage circuits
UEENEEE037A	Document occupational hazards and risks in electrotechnology
UEENEEE047A	Identify building techniques, methods and materials used in electrotechnology work activities
UEENEEO001A	Solve problems in electromagnetic circuits
UEENEEO002A	Solve problems in single and three phase low voltage circuits
UEENEEO015A	Verify compliance and functionality of renewable energy installations
UEENEEO023A	Carry out basic repairs to renewable energy apparatus by replacement of components
UEENEEO027A	Diagnose faults in RE control systems
UEENEEO028A	Solve problems in stand-alone RE systems
UEENEEO034A	Install stand-alone photovoltaic power systems.

Core Competency Standard Units

All Core competency standard units to be achieved

- UEENEEK036A Prepare grid connected photovoltaic power systems for LV connection
- UEENEEK042A Participate in environmentally sustainable work practices
- UEENEEP001A Disconnect and reconnect fixed wired electrical equipment connected to a low voltage supply

Stream Core Competency Standard Units

At least 2 of the following competency standard units to be achieved:

- UEENEEC001A Maintain documentation
- UEENEEC002A Source and purchase material/parts for installation or service jobs
- UEENEEC003A Provide quotations for installation or service jobs
- UEENEEC010A Deliver a service to customers
- UEENEEED001A Use basic computer applications relevant to a workplace
- UEENEEEE009A Comply with scheduled and preventative maintenance program processes

Elective Competency Standard Units

In accordance with Schedule 3, which forms an integral part of this qualification, achieve a Unit Strand Total of at least 4 as specified.

Note:

1. Prerequisite pathways shall be identified and met for all elective units selected.
2. In selecting elective units considerations to career planning advice should be given to units that form part of a prerequisite pathway for the progression to achieve particular competencies or qualification at a higher level.

END OF QUALIFICATION

UEENEEK030A	Solve basic problems in wind energy conversion systems
UEENEEK043A	Install small wind energy conversion systems for stand-alone applications