

UEE REVIEW - IMPORTANT INFORMATION RELATED TO PUBLIC CONSULTATION

OVERVIEW

The Electrical Technical Advisory Committee (TAC) is reviewing 167 units of competency and the following three Qualifications:

- UEE22011 Certificate II in Electrotechnology (Career Start)
- UEE30811 Certificate III in Electrotechnology Electrician
- UEE33011 Certificate III in Electrical Fitting

The qualifications, including packaging rules and unit weighting points, will be released once all relevant units have been finalised. In addition, the capstone units for UEE30811 (UEENEEG105A) and UEE33011 (UEENEEG199A) will only be finalised after all other core units for those qualifications are reviewed/developed.

In undertaking the review, the Electrical TAC decided to split and join a number of core units to better reflect industry needs (see table A below). It is important to note that the new units will only be used in the UEE30811 and UEE33011 Qualifications. The current versions have been transitioned to the new template, reviewed for continued use in all other UEE qualifications and are provided for feedback in this public consultation phase.

Eleven 'Restricted and Specialisations' (P stream) units have also joined to form two new units (see table B below). These will also be released for consultation in the coming weeks.

Three native units will be replaced with imported units, and as such, these units will not be transitioned or released for public consultation (see table C below).

Feedback on units will only be accepted if it is submitted through the public feedback register. Feedback should be actionable recommendations, i.e. suggest amendments rather than ask questions about what has been drafted.

If substantial amendments to any units are required as a result of public consultation redrafted content will be rereleased in the next round of public consultation.

The remaining content will be released for consultation in late April. A list of content yet to be released is provided below. (See table D below)

SPLITTING AND JOINING OF CURRENT UNITS

As part of the review, the Electrical TAC decided to split / join the following core units to better reflect industry needs.

Table A: Split Units

| Current units (being retained for use in other qualifications) | New units (unit codes are for development purposes only and do not reflect the code that will be used) |
|--|---|
| UEENEEE104 Solve problems in DC circuits | UEENEEE999X Solve problems in extra-low voltage single path circuits |
| | UEENEEE998X Solve problems in multipath direct current (d.c.) circuits |
| UEENEEG006 Solve problems in single and three phase low voltage machines | UEENEEG998X Test and connect transformers |
| | UEENEEG997X Solve problems in alternating current (a.c.) rotating machines |
| UEENEEG101 Solve problems in electromagnetic devices and related circuits | UEENEEG992X Solve problems in electromagnetic devices |
| | UEENEEG991X Solve problems in direct current (d.c.) machines |
| UEENEEG033 Solve problems in single and three phase low voltage electrical apparatus and circuits | UEENEEG996X Evaluate and modify low voltage socket outlets circuits |
| | UEENEEG994X Evaluate and modify low voltage heating equipment and controls |
| | UEENEEG995X Evaluate and modify low voltage lighting circuits, equipment, and controls |
| UEENEEG108 Trouble-shoot and repair faults in low voltage electrical apparatus and circuits | UEENEEG993X Isolate, test and troubleshoot low voltage electrical circuits |
| UEENEEG103 Install low voltage wiring and accessories UEENEEG104 Install appliances, switchgear and associated accessories for low voltage electrical installations | UEENEEG999X Install low voltage wiring, appliances, switchgear and associated accessories |

Please Note: the above units which will only be used in UEE30811 and UEE33011 Qualifications. The original versions have been transitioned to the new template and reviewed for use in all other UEE qualifications. This has been done to avoid 'not-equivalent' determinations for other qualifications. As such, feedback on both the new units, and those being retained for use in other qualifications is being sought.

In addition to the core units shown above, the following units are being consolidated to better reflect industry needs.

Table B: Joined Units

| Current unit (will not be included in Case for endorsement) | New unit |
|--|--|
| UEENEEP010A Disconnect - reconnect appliances connected to low voltage installation wiring | UEENEEP999X Disconnect-reconnect appliances connected to low voltage installation wiring |
| UEENEEP011A Disconnect - reconnect neon signs connected to low voltage installation wiring | |
| UEENEEP012A Disconnect - reconnect composite appliances connected to low voltage installation wiring | |
| UEENEEP013A Disconnect - reconnect control devices connected to low voltage installation wiring | |
| UEENEEP014A Disconnect - reconnect water heaters connected to low voltage installation wiring | |
| UEENEEP015A Disconnect - reconnect motors connected to low voltage installation wiring | |
| UEENEEP016A Locate and rectify faults in low voltage appliances using set procedures | |

| | |
|--|---|
| UEENEEP017A Locate and rectify faults in low voltage composite appliances using set procedures | UEENEEP998X Locate and rectify faults in low voltage electrical equipment using set procedures |
| UEENEEP018A Locate and rectify faults in low voltage control devices using set procedures | |
| UEENEEP019A Locate and rectify faults in low voltage water heaters using set procedures | |
| UEENEEP020A Locate and rectify faults in low voltage motors using set procedures | |

NEW UNIT TO COVER EPC55

The revised Licencing requirements include: *EPC55 - Demonstrate knowledge and application of electricity generation systems and electricity converters and the requirements of AS/NZS 3000 Wiring Rules for stand-alone and grid connected systems. Basic knowledge of battery storage systems and uninterruptible power supplies.*

A new unit to cover this EPC is currently being developed and will be released with the remaining units/qualifications. The new unit will be added to the core of UEE3011; and, UEENEEG105 updated accordingly.

UNITS BEING REPLACED BY IMPORTED UNITS

The following units will be replaced with imported units and as such will not be released for public consultation.

Table C: Units replaced by imported units

| Current unit | To be replaced with |
|--|--|
| UEENEEC010B Deliver a service to customers | BSBCUS201 Deliver a service to customers |
| UEENEEED101A Use computer applications relevant to a workplace | ICTICT203 Operate application software packages |
| UEENEEED104A Use engineering applications software on personal computers | MEM30031A Operate computer-aided design (CAD) system to produce basic drawing elements |

ELECTRICAL TAC CONTENT STILL TO BE RELEASED FOR CONSULTATION

Table D: Drafts yet to be released

| Code | Title |
|-------------|--|
| UEE22011 | Certificate II in Electrotechnology (Career Start) |
| UEE30811 | Certificate III in Electrotechnology Electrician |
| UEE33011 | Certificate III in Electrical Fitting |
| UEENEEG199A | Conduct compliance and functional verification of electrical apparatus and existing circuits |
| UEENEEG105A | Verify compliance and functionality of low voltage general electrical installations |
| UEENEEXXXXX | Unit for EPC 55 |
| UEENEEF102A | Install and maintain cabling for multiple access to telecommunication services |
| UEENEEF104A | Install and modify performance data communication copper cabling |
| UEENEEP999X | Disconnect - reconnect electrical equipment connected to low voltage installation wiring (Joined UEENEEP010 - 015) |

| | |
|-------------|--|
| UEENEEP998X | Locate and rectify faults in low voltage electrical equipment using set procedures (Joined UEENEEP016 - 020) |
|-------------|--|