PSO

UEE full training product review – SME Group update

Broad Electrical (Summary as of December 2025)

- Licensed-trade-specific Work Health & Safety (WHS) unit
- Removal of *Fabricate, assemble and dismantle utilities industry components* and *Fix and secure electrotechnology equipment* units from Electrician qualification
- Proposed combined Drawings and Installation unit for Electrician qualification
- Review *Use drawings, diagrams, schedules, standards, codes and specifications* unit - contextualisation options to meet cross discipline requirements
- Review common Direct Current (DC) fundamental electrical principles unit
- Essential Performance Criteria (EPC)-aligned core structure for Cert III Electrician

Diploma and Advanced Diplomas

SME support obtained to remove –

- UEE62420 Advanced Diploma of Engineering Technology – Air Conditioning and Refrigeration
- UEE60620 Advanced Diploma of Industrial Electronics and Control Engineering
- UEE50920 Diploma of Industrial Electronics and Control Engineering

Low and No enrolment approve removed qualification

- UEE51120 Diploma of Engineering Technology - Refrigeration and Air Conditioning

Diploma SMEs are focused on creating Diplomas to support paraprofessional skill development pathways.

What might it look like?

Reduce 9 Diploma qualifications into four.

Diploma of Electrical Systems Engineering – Core pathway for systems electricians into business operation roles and/or supervisory roles

Diploma of Electrotechnology Engineering (New Qualification) - Core pathway for electrotechnology technicians into business operational roles and/or supervisory roles

Diploma of Electrotechnology Management – Non-trade pathway for individuals to enter business operational type roles without the technical knowledge gained from a Certificate III trade qualification.

Diploma of Heating, Ventilation, Air Conditioning and Refrigeration Engineering – Maintain but significantly revise this Diploma to ensure more business operational and supervisory roles skills are obtained to support HVAC R technicians.

Electronics and Communication, Security, Data and Voice

(Summary as of December 2025)

- Reviewed skills and knowledge requirements of workers in each sector
- Examined enrolment and completion numbers of associated units and qualifications
- Proposed a qualification structure that incorporates specialisations/streams, for Cert II , Cert III and Cert IV. Providing clear pathways from Cert II through to diploma level.
- Proposal based on SME feedback to be reviewed at next SME meeting (Feb)
- Prepared a Cert II level DC unit for review at next SME meeting (Feb)

Fire Protection Controls

Solely focused on the UEE31025 Certificate III in Fire Protection Control.

- Name Change for the qualification to better align with job outcome. – Proposed name – ***Certificate III in Fire Detection***
- Qualification DRAFT structure has been determined.
- UEESS00171 - Fire Detection and Alarm Systems - Installation, Maintenance, Commissioning and Servicing Skill Set – to be updated once qualification is completed.

DRAFT ONLY
Full document to come

Entry Requirements

This qualification has no entry requirements.

Packaging Rules

A total of 24 units comprising:

12 core units plus

12 elective units, of which:

- at least 10 from Group A or
- remaining 2 elective units may:
  - be from any of the elective groups in this qualification
  - up to 2 general elective units may be selected, with appropriate contextualisation, from any relevant nationally endorsed Training Package or accredited course at this AQF Level and provided the selected units contribute to the vocational outcome of this qualification.

Core units	
UEECD3007	Apply work health and safety in the electrotechnology workplace
UEECD3051	Use drawings, diagrams, schedules, standards, codes and specifications
UEECD2043	Solve fundamental problems in DC circuits
UEEFC3xxx	Conventional fire and warning system installation practices (new unit)
UEEFC3xxx	Install fire detection and warning systems*
UEEFC3xxx	Understanding speaker layout and sound energy
UEEFC3xxx	Program fire detection and warning systems*
UEEFC3xxx	Program Emergency Warning and Intercommunication Systems (EWIS)*
UEEFC3xxx	Test and Maintain fire detection and warning systems*
UEEFC3xxx	Commission fire detection and warning systems*
UEEFC3xxx	Fault find and repair fire detection and warning systems*
UEECO0027	Engage in communications, security equipment or fire protection work and competency development

Questions for the regulators.

[Qld Electrical Licensing Eligibility Guide]

The Fire Protection Controls SME group would like to add UEERL0002 Attach cords, cables and plugs to electrical equipment for connection to 1000 V a.c. or 1500 V d.c. into the elective bank to allow for 3 phase work related to fire pumps.

The guide allows for this to be obtained to remove the restrictions up to 250V.

What does other jurisdictions state on this matter?

	Employer support required	
Fire protection control equipment limited to 250Vac	UEE31025 - Certificate III in Fire Protection Control **Current QBCC licence**	UEECD0007 UEERL0004 UEERL0005 UEERL0001 UEERL0002 required to remove 250V restriction
Gas appliances/equipment limited to 250Vac	Current Queensland gas installer/fitter licence Current Queensland Gas Work Authority **Employer support required**	UEECD0007 UEERL0004 UEERL0005 UEERL0001 UEERL0002 required to remove 250V restriction

Hazardous Areas (Summary as of December 2025)

- Review of *Certificate IV in Hazardous areas – Electrical* - relevant core units relating to existing Electrical Equipment in Hazardous Areas **(**EHA) courses/training

- Need for an Electrical Equipment in Hazardous Areas **(**EHA) nationally recognised skill set

- Investigate needs for non-electrical workers entering hazardous areas training

HVAC R (Summary as of December 2025)

- Review of *Certificate III in Air Conditioning and Refrigeration* qualification structure options – Core only, Core and electives, Core and specialisations
- WHS unit without Electrical license requirements - Essential Performance Criteria (EPC)
- Review *Use drawings, diagrams, schedules, standards, codes and specifications* unit - contextualisation options to meet cross discipline requirements
- Review common Direct Current (DC) fundamental electrical principles unit

Instrumentation and Controls (Summary as of December 2025)

- Review of *Certificate III in Instrumentation and Control* - move some units between core and electives. Streamlining and rationalisation of Electives into Group A (instrumentation, control and process) & B (Electrical & Electronic)

- Review of *Develop, enter and verify discrete control programs for programmable controllers* Unit to include more troubleshooting

Rail Signalling (Summary as of December 2025)

- Reviewed skills and knowledge requirements of workers in both the signalling and communications roles.
- Reviewed the NTC (national transport commission) Future Skills Framework paper and noted skills and knowledge requirements in the communication and signalling space.
- Broader discussion on the communications qualification as there has been no enrolments for 5 plus years.
- Survey has been distributed to SME group to move ahead with qualification structure. Asking questions like , entry requirements , elective structure , delivery by RTO , differences in Jurisdictions.
- Distinct question around, is the Cert IV in communications required.(no enrolments) and if so, what would go into the Cert IV signalling.
- Results of survey to be tabled at next meeting (Feb) , work can start on qualification structure.

Renewable Energy (Summary as of December 2025)

- Review of data , enrolments , completions of skill sets , qualifications and units of competency
- Discussions of need for Cert IV in lieu of Skill sets
- Discussion to delete UEE41020 Certificate IV in Energy Management and Control to be put to group at Feb meeting.
- Structure of UEE43322 Certificate IV in Electrical - Renewable Energy, early discussions based on point above about Cert IV vs Skill set.
- Reviewed skills and knowledge requirements of workers in renewable energy roles.
- Discussion around what terminology should be used in titles e.g. renewable energy, sustainable energy, alternative energy , clean energy etc

System Integration (Custom Electronics)

NEW SME group (split from the Electronics and Communication, Security, and Data and Voice).

New qualification to replace UEE30320 Certificate III in Custom Electronics Installations – **Superseded**

Proposed new Certificate IV qualification

Currently working on skill and knowledge identification.