



Australian Government

UEP30118 Certificate III in ESI Generation - Systems Operations

Release 1

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Modification History

Release 1. This is the first release of this qualification in the UEP Electricity Supply Industry - Generation Sector Training Package.

Qualification Description

Participants gaining this qualification will be able to perform systems operations functions in the electrical supply industry. Functions may include the operation of power generation plant systems, isolating power generation plant systems for work and undertaking routine maintenance on power generation plant and equipment. It may also include working with civil plant and infrastructure and observing safe working practices.

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

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

A total of 1120 weighting points comprising 330 core weighting points, plus 790 elective weighting points from the general elective units listed below.

Choose a total of 790 weighting points from the general elective unit list below of which between 0 and 160 weighting points can be taken from Group A. Between 470 and 630 weighting points may be taken from Group B, you may select all your elective units from this group.

Up to 160 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 that selected units contribute to the vocational outcome of the qualification. Previously assigned weighting points are listed in UEP CVIG, if not listed weighting points will be 10 points unless directed from the ESI Generation Industry Reference Committee (IRC). The general elective units must contribute to the vocational outcomes of the qualification.

Where imported units are selected, care must be taken to ensure that all prerequisite units specified are complied with.

Where a prerequisite unit is attached to a unit, it is identified by this symbol ⊥.

Core units

Weighting points

UEENEEE101A	Apply Occupational Health and Safety regulations, codes and practices in the workplace	20
UEPOPS202	Apply quality systems to work	20
UEPOPS204	Maintain and utilise records	20
UEPOPS209	Perform process plant inspections	30
UEPOPS249	Liaise with stakeholders	20
UEPOPS252	Undertake local systems operations	30
UEPOPS301	Conduct single energy source isolation procedures for permit to work	40
UEPOPS317	Operate and monitor fixed fire protection systems	30
UEPOPS342	Analyse single protection device operation	60
UEPOPS347	Operate and monitor supervisory, control and data acquisition systems	40
UEPOPS356	Apply environmental and sustainable energy procedures	20
UEPOPS364	Ensure compliance with Work, Health and Safety policy and procedures	20

Group A elective units**Weighting points**

BSBFLM303	Contribute to effective workplace relationships	40
BSBFLM305	Support operational plan	40
BSBFLM306	Provide workplace information and resourcing plans	40
BSBFLM309	Support continuous improvement systems and processes	40
BSBFLM311	Support a workplace learning environment	40
BSBFLM312	Contribute to team effectiveness	40
BSBINN301	Promote innovation in a team environment	40

BSBWOR301	Organise personal work priorities and development	40
CPCCCM2007B	Use explosive power tools └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry	15
CPCCLDG3001A	Licence to perform dogging	30
CPCCLHS3001A	Licence to operate a personnel and materials hoist	30
CPCCLHS3002A	Licence to operate a materials hoist	20
CPCCLRG3001A	Licence to perform rigging basic level └ CPCCLDG3001A Licence to perform dogging	40
CPCCLRG3002A	Licence to perform rigging intermediate level └ CPCCLRG3001A Licence to perform rigging basic level	40
CPCCLRG4001A	Licence to perform rigging advanced level └ CPCCLRG3002A Licence to perform rigging intermediate level	40
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level	40
CPCCLSF3001A	Licence to erect, alter and dismantle scaffolding intermediate level └ CPCCLSF2001A Licence to erect, alter and dismantle scaffolding basic level	40
CPCCLSF4001A	Licence to erect, alter and dismantle scaffolding advanced level └ CPCCLSF3001A Licence to erect, alter and dismantle scaffolding intermediate level	40
MEM05004C	Perform routine oxy acetylene welding	20
MEM05007C	Perform manual heating and thermal cutting	20
MEM05012C	Perform routine manual metal arc welding	20
NWPSOU027	Route floods through storages	50

NWPSOU022	Monitor and control dam operations	50
NWPSOU023	Monitor and implement dam maintenance	50
RIIMPO304D	Conduct wheel loader operations	40
RIIHAN309E	Conduct telescopic materials handler operations	80
RIIMPO308E	Conduct tracked dozer operations	40
RIIMPO309E	Conduct wheeled dozer operations	40
RIIMPO318E	Conduct civil construction skid steer loader operations	70
RIIMPO319D	Conduct backhoe/loader operations	50
TLILIC0003	Licence to operate a forklift truck	40

Group B elective units**Weighting points**

UEENEEE102A	Fabricate, assemble and dismantle utilities industry components └ UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace	40
UEPOPS203	Operate and monitor communications system	20
UEPOPS205	Conduct minor mechanical maintenance	40
UEPOPS206	Conduct minor electrical maintenance	40
UEPOPS207	Perform plant lubrication	20
UEPOPS211	Clean plant and equipment	20
UEPOPS309	Operate and monitor air conditioning plant and ventilation systems	20
UEPOPS310	Operate bulk coal handling plant	40
UEPOPS311	Operate fabric filter dust collection plant	20
UEPOPS312	Operate and monitor fuel supply	20

UEPOPS313	Operate and monitor boiler draught system	40
UEPOPS314	Operate and monitor fuel firing plant (gas or oil)	40
UEPOPS315	Operate and monitor fuel firing plant (coal)	40
UEPOPS316	Operate and monitor boiler steam/water cycle	40
UEPOPS318	Operate and monitor compressed gas systems	30
UEPOPS319	Operate and monitor gas production plant	30
UEPOPS320	Operate and monitor compressed air systems	30
UEPOPS321	Operate and monitor water treatment plant	30
UEPOPS322	Operate and monitor alkalinity reduction plant	30
UEPOPS323	Operate and monitor reverse osmosis plant	30
UEPOPS324	Operate and monitor brine concentrator plant	30
UEPOPS325	Operate and monitor water quality monitoring systems	30
UEPOPS326	Operate and monitor oil systems	30
UEPOPS327	Monitor and maintain civil assets	30
UEPOPS328	Undertake dam safety surveillance	30
UEPOPS329	Operate and monitor auxiliary steam systems	40
UEPOPS330	Operate and monitor heat exchangers and cooling systems	40
UEPOPS331	Operate and monitor water systems (condensate and feedwater)	40
UEPOPS332	Operate and monitor condenser and auxiliary cooling systems	40
UEPOPS333	Operate and monitor HRSG hot gas control system	40
UEPOPS334	Operate and monitor a wind generator	60

UEPOPS335	Operate a hydro generator synchronous condenser pump unit	60
UEPOPS336	Manage, operate and monitor a gas turbine unit	60
UEPOPS337	Maintain quality systems within the team └ UEPOPS202 Apply quality systems to work	20
UEPOPS338	Facilitate workplace communication	20
UEPOPS339	Operate and monitor a boiler unit	60
UEPOPS340	Operate and monitor a steam turbine	60
UEPOPS343	Operate hydroelectric generating plant and auxiliary equipment	60
UEPOPS344	Conduct water conveyance and control	30
UEPOPS345	Implement dam safety surveillance procedures	30
UEPOPS346	Conduct non-routine operational testing	60
UEPOPS349	Operate local H.V. switchgear	40
UEPOPS351	Operate H.V. condition changing apparatus	60
UEPOPS352	Conduct operational checks on in-service mechanical plant	40
UEPOPS354	Operate and monitor dual fuel firing plant	80
UEPOPS355	Monitor the implementation of under frequency load shedding	60
UEPOPS357	Operate local L.V. switchgear	40
UEPOPS358	Monitor and maintain wind farm civil assets	40
UEPOPS359	Monitor climatic conditions for renewable energy production	40
UEPOPS360	Operate and monitor a hydro turbine	60
UEPOPS361	Operate and monitor hydro plant auxiliary systems	60

UEPOPS362	Operate and monitor generator/alternator	60
UEPOPS368	Operate manual systems └ UEPOPS252 Undertake local systems operations	30
UEPOPS369	Respond to a critical incident	40
UEPOPS370	Facilitate the use of contingency plans for power generation facilities	60
UEPOPS371	Carry out operational checks on in-service electrical plant	40

Qualification Mapping Information

This qualification replaces and is equivalent to UEP30112 Certificate III in ESI Generation - Systems Operations

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=1715b9fa-e7bd-441c-bb8d-cf22c9c825a8>