



**UEP06**  
**Electricity Supply Industry – Generation Sector**  
**Training Package**

**Volume 2 — Part 2**  
**Index of Competency Standards Units**

**Volume 2 of 2**

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## Volume 2 Part 2

### Index of Competency Standard Units

Volume 2 of this Training Package contains approximately 350 units of competency. The units have been arranged into discipline categories of Operations (OPS) and Maintenance (MNT) for ease of presentation and to facilitate quick access and referencing.

There are eight (8) Schedules of elective units that are integral to this Training Package described in the following table. Users are able to draw electives from the Schedules as detailed in the qualification packaging rules.

The Schedules are available in Volume 2 Part 2 of this Training Package.

SCHEDULE	DISCIPLINE	SERIES
SCHEDULE 1	Operations Units AQF 2	UEPOPS201A – UEPOPS250A
SCHEDULE 2	Operations Units AQF 3	UEPOPS301A – UEPOPS357A
SCHEDULE 3	Maintenance Units AQF 3	UEPMNT301A – UEPMNT360A
SCHEDULE 4	Operations Units AQF 4	UEPOPS401A – UEPOPS442A
SCHEDULE 5	Maintenance Units AQF 4	UEPMNT401A – UEPMNT433A
SCHEDULE 6	Operations Units AQF 5	UEPOPS501A – UEPOPS515A
SCHEDULE 7	Maintenance Units AQF 5	UEPMNT501A – UEPMNT504A
SCHEDULE 8	Imported Units	

### Sections of the Competency Standard Units

All competency standard units (CSUs) found in this Training Package (UEP06) have been developed in accordance with DEST requirements, with minor enhancements. Each unit has 8 sections.

Section 1 contains the unit title and scope.

Section 2 outlines all prerequisite and co-requisite CSUs required for each unit, as well as literacy and numeracy entry requirements.

Section 3 contains information in relation to the application of the units and any ‘licence to practise’ advice for those assessing the competency standard units, including the potential licensing requirements that underpin the carrying out of work performed in that competency standard unit.

Section 4 covers the competency field or discipline applying and section 5 the Elements in the Performance Criteria.

Section 6 contains detailed information on the required Essential Knowledge and Associated Skills (EKAS) to be delivered as a part of the standard. This includes the need to use and reference Volume 2 Part 2.2 of this Training Package for the required detail and specification of the essential knowledge and associated skills applying to the unit.

Section 7 provides the range of contexts and conditions to which the Performance Criteria apply. This Range Statement allows for different work environments and situations that will affect performance. The Range Statement relates to the unit of competency as a whole

Section 8 covers the Evidence Guide that includes the overview of assessment; critical aspects of evidence required to demonstrate competency in the unit; context of assessment including resource implications; methods to be used in assessment of the learner; relationship to other competency standard units found in the Training Package; the Meyer Key Competencies; and the Skills Enabling Employment.

For further information in relation to the competency standard units, users of this Training Package should refer to *Volume 1, Part 1 Qualifications Framework* and *Volume 1, Part 2 Competency Standards*.

### Coding Structure

Each competency standard unit has a unique code. A typical code is made up of a maximum of 12 characters; normally a mixture of uppercase letters and numbers. For example in this Training Package the following approach has been adopted:

Unit Number									
U	E	P	O	P	S	4	2	8	A
Training Package identifier			Stream i.e. Operations			Notional AQF Level	Numbers 01 to 99		Version
← 12 Characters Maximum →									

Example: UEPOPS428A Develop HV Switching Programs

UEP National Energy Power Training Package

OPS Operations Stream

4 AQF 4 (notional)

28 Number of Unit

A First version of the unit

### Imported Competency Standard Units

Imported units are listed by notional AQF level and can be used as electives in qualifications in accordance with the qualifications completion requirements from this package and at the same AQF level or lower.

Users are also able to import units of competency from other Training Packages in accordance with the Training Package requirements. That is, imported units must be approved and valued by the National Generation Training Group in order for them to contribute to an ESI qualification. Contact EE-Oz Training Standards for information about having additional units of competency valued by the National Generation Training Group.

Imported competency standard units in the Electricity Supply Industry - Generation Training Package included in Schedule 8 of this Volume.

The list of imported units is also included in Volume 1 Table 4 – Imported Units of Competency from other Training Packages. Users wishing to use imported units will need to use them as detailed therein and where appropriate, contact the relevant original Training Package developer or the NTIS to obtain the most recent version of the unit of competency.

### Schedules of Competency Standard Units

There are eight (8) Schedules of elective units that are integral to this Training Package described in the following table. Users are able to draw electives from the Schedules as detailed in the qualification packaging rules included in Volume 1 Part 1 – Qualifications Framework.

The Schedules are as follows:

SCHEDULE	DISCIPLINE	SERIES
SCHEDULE 1	Operations Units AQF 2	UEPOPS201A – UEPOPS250A
SCHEDULE 2	Operations Units AQF 3	UEPOPS301A – UEPOPS357A
SCHEDULE 3	Maintenance Units AQF 3	UEPMNT301A – UEPMNT360A
SCHEDULE 4	Operations Units AQF 4	UEPOPS401A – UEPOPS442A
SCHEDULE 5	Maintenance Units AQF 4	UEPMNT401A – UEPMNT433A
SCHEDULE 6	Operations Units AQF 5	UEPOPS501A – UEPOPS515A
SCHEDULE 7	Maintenance Units AQF 5	UEPMNT501A – UEPMNT504A
SCHEDULE 8	Imported Units	

## Schedule 1: Operation Units AQF 2

The following units have been grouped into AQF 2 Operations Units. They can be found in Qualifications within this Training Package across a number of AQF levels. Reference should be made to Qualifications Structure section of Volume 1 Part 1 Qualifications Framework to determine the relevant unit(s) pertaining to the qualification(s) required.

<b>Schedule 1: Operation Units AQF 2 UEPOPS201 – UEPOPS250A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS201A</b>	<p><b>Comply with Occupational Health and Safety Policy and Procedures</b></p> <p>This unit deals with the skills and knowledge required to follow defined Occupational Health and Safety policies and procedures related to the work being undertaken in order to ensure the individual's own safety and that of others in the workplace.</p>
<b>UEPOPS202A</b>	<p><b>Apply Quality Systems to Work</b></p> <p>This unit deals with the skills and knowledge required to apply the desired standards to work as specified within the quality system.</p>
<b>UEPOPS203A</b>	<p><b>Operate and Monitor Communications System</b></p> <p>This unit deals with the skills and knowledge required to operate and monitor the application of communications systems.</p>
<b>UEPOPS204A</b>	<p><b>Maintain and Utilise Records</b></p> <p>This unit deals with the skills and knowledge required to maintain and use of recorded data.</p>
<b>UEPOPS205A</b>	<p><b>Conduct Minor Mechanical Maintenance</b></p> <p>This unit deals with the skills and knowledge required to conduct a range of minor/basic maintenance functions associated with, but not limited to, mechanical equipment.</p>
<b>UEPOPS206A</b>	<p><b>Conduct Minor/Basic Electrical Maintenance</b></p> <p>This unit deals with the skills and knowledge required to conduct a range of minor/basic maintenance functions associated with electrical equipment</p>
<b>UEPOPS207A</b>	<p><b>Perform Plant Lubrication</b></p> <p>This unit deals with the skills and knowledge required to maintain grease, oil levels and quality in all areas of plant.</p>

<b>Schedule 1: Operation Units AQF 2 UEPOPS201 – UEPOPS250A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS208A</b>	<p><b>Operate Local Systems</b></p> <p>This unit deals with the skills and knowledge required to operate plant at the local position in conjunction with coordinated systems under the control of appropriate authorised personnel.</p>
<b>UEPOPS209A</b>	<p><b>Perform Process Plant Inspections</b></p> <p>This unit deals with the skills and knowledge required to conduct the inspection of generation production plant and associated equipment.</p>
<b>UEPOPS210A</b>	<p><b>Conduct First Response within a Workplace Team</b></p> <p>This unit deals with the skills and knowledge required to conduct first response within emergency team operations.</p>
<b>UEPOPS211A</b>	<p><b>Clean Plant and Equipment</b></p> <p>This unit deals with the skills and knowledge required to clean industrial plant, machinery and surrounds associated with Electricity Generation stations and related surroundings which may include the appropriate removal of excess or oil based soil.</p>
<b>UEPOPS212A</b>	<p><b>Perform Basic Rigging Work</b></p> <p>This unit deals with the skills and knowledge required to undertake rigging work associated with, but not limited to, movement of plant and equipment, in particular hoists, safety nets and static lines, safety screens and shutters.</p>
<b>UEPOPS213A</b>	<p><b>Perform Intermediate Rigging Work</b></p> <p>This unit deals with the skills and knowledge required to undertake rigging work associated with, but not limited to, movement of plant and equipment, all hoists, rigging of cranes, dual lifts, demolition.</p>
<b>UEPOPS214A</b>	<p><b>Perform Dogging Work</b></p> <p>This unit deals with the skills and knowledge required to apply slinging techniques, including the selection and inspection of lifting gear, and provision of direction to the crane/hoist operator in the movement of the load including when the load is out of view of the operator.</p>
<b>UEPOPS215A</b>	<p><b>Perform Basic Scaffolding</b></p> <p>This unit deals with the skills and knowledge required to perform the application of scaffolding work in an environment where electricity is being generated. This would include, but not limited to, free standing prefabricated scaffolds, cantilevered hoist with maximum working load limit not exceeding 500kg (materials only), bracket scaffolds (tank and formwork).</p>

<b>Schedule 1: Operation Units AQF 2 UEPOPS201 – UEPOPS250A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS216A</b>	<p><b>Perform Intermediate Scaffolding</b></p> <p>This unit deals with the skills and knowledge required to erect and dismantle scaffolding work in an environment where electricity is being generated including, but not limited to, tube and coupler scaffolds, cantilevered and spurred scaffolds, barrow ramps and sloping platforms, mast climbers.</p>
<b>UEPOPS217A</b>	<p><b>Conduct Elevating Work Platform Operations</b></p> <p>This unit deals with the skills and knowledge required to conduct the inspection and pre-operational tests, positioning, setting up and operation of elevating work platforms in an environment where electricity is being generated.</p>
<b>UEPOPS218A</b>	<p><b>Shift and Transfer Materials using a Bulldozer</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using a bulldozer in an environment where electricity is being generated.</p>
<b>UEPOPS219A</b>	<p><b>Shift and Transfer Materials using a Grader</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using a Grader in an environment where electricity is being generated.</p>
<b>UEPOPS220A</b>	<p><b>Shift and Transfer Materials using a Scraper</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using a scraper in an environment where electricity is being generated.</p>
<b>UEPOPS221A</b>	<p><b>Shift and Transfer Materials using a Front End Loader</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using a front end loader in an environment where electricity is being generated.</p>
<b>UEPOPS222A</b>	<p><b>Shift and Transfer Materials using a Skidsteer Loader</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using a Skidsteer Loader in an environment where electricity is being generated.</p>
<b>UEPOPS223A</b>	<p><b>Shift and Transfer Materials using a Telescopic Materials Handler-Loader</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using a telescopic materials handler-loader in an environment where electricity is being generated.</p>

<b>Schedule 1: Operation Units AQF 2 UEPOPS201 – UEPOPS250A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS224A</b>	<p><b>Shift and Transfer Materials using a Backhoe</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using a backhoe in an environment where electricity is being generated.</p>
<b>UEPOPS225A</b>	<p><b>Shift and Transfer Materials using an Excavator</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using an excavator in an environment where electricity is being generated.</p>
<b>UEPOPS226A</b>	<p><b>Shift and Transfer Materials using Bobcats – Wheeled and Tracked</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using Bobcats – wheeled and tracked in an environment where electricity is being generated.</p>
<b>UEPOPS227A</b>	<p><b>Shift and Transfer Materials using Borers and related attachments</b></p> <p>This unit deals with the skills and knowledge required to undertake the shifting, loading and carrying of materials using borers and related attachments in an environment where electricity is being generated.</p>
<b>UEPOPS228A</b>	<p><b>Conduct Fork-lift Operations</b></p> <p>This unit deals with the skills and knowledge required to undertake the inspection and pre-operational tests, driving, manoeuvring and the lifting and relocating of loads using a fork-lift in an environment where electricity is being generated.</p>
<b>UEPOPS229A</b>	<p><b>Operate Lifting and Load Shifting Equipment for Loads less than 10 tonnes</b></p> <p>This unit deals with the skills and knowledge required to undertake the operation of specified cranes and lifting equipment in an environment where electricity is being generated and used to facilitate the installation, modification or maintenance of equipment associated with the Power Generation industry sector.</p>
<b>UEPOPS230A</b>	<p><b>Operate Lifting and Load Shifting Equipment for Loads greater than ten tonnes</b></p> <p>This unit deals with the skills and knowledge required to undertake the operation of particular cranes and hoists for loads greater than ten tonnes in an environment where electricity is being generated and used to facilitate the installation, modification or maintenance of equipment associated with the Power Generation industry sector.</p>

<b>Schedule 1: Operation Units AQF 2 UEPOPS201 – UEPOPS250A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS231A</b>	<b>Operate Explosive Powered Tool</b> This unit deals with the skills and knowledge required to operate an explosive powered tool commonly known as a ramset gun.
<b>UEPOPS232A</b>	<b>Transport Plant and Equipment</b> This unit deals with the skills and knowledge required to transport plant and equipment.
<b>UEPOPS233A</b>	<b>Perform Machining Operations</b> This unit deals with the skills and knowledge required to perform basic machining operations that would not require the use of precision measuring instruments, or scaling from drawings and prints.
<b>UEPOPS234A</b>	<b>Perform Routine Oxyacetylene (Fuel Gas) Welding (OAW)</b> This unit deals with the skills and knowledge required to be applied in a maintenance environment where welding is not required to meet Australian Standard 1554 general purpose or equivalent Codes and/or licensing requirements.
<b>UEPOPS235A</b>	<b>Perform Routine Manual Arc Welding</b> This unit deals with the skills and knowledge required to be applied in a maintenance environment where welding is not required to meet Australian Standard 1554 general purpose or equivalent Codes and/or licensing requirements.
<b>UEPOPS236A</b>	<b>Perform Manual Heating, Thermal Cutting and Gouging</b> This unit deals with the skills and knowledge required to be applied in a maintenance environment and would be used to facilitate a wide range of maintenance activities.
<b>UEPOPS237A</b>	<b>Perform Tool Store Duties</b> This unit deals with the skills and knowledge required to cover the management and storage of tools and consumable items used in a workshop or similar environment associated within the Generation industry sector.
<b>UEPOPS238A</b>	<b>Maintain Battery Banks and Cells</b> This unit deals with the skills and knowledge required to undertake the maintenance of all battery cells/banks including hydrogen generation cells/banks.

<b>Schedule 1: Operation Units AQF 2 UEPOPS201 – UEPOPS250A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS239A</b>	<b>Conduct Minor/Basic Electrical Maintenance</b> This unit deals with the skills and knowledge required to conduct a range of minor/basic maintenance functions associated with electrical equipment.
<b>UEPOPS240A</b>	<b>Operate and Monitor Fuel Supply (Coal)</b> This unit deals with the skills and knowledge required to operate, inspect and monitor coal delivery systems to the generating unit storage bunker.
<b>UEPOPS241A</b>	<b>Operate and Monitor Ash and Dust Disposal Plant</b> This unit deals with the skills and knowledge required to operate, inspect and monitor ash and dust disposal plants associated with a coal fired power station.
<b>UEPOPS242A</b>	<b>Operate and Monitor Dust Collection Plant</b> This unit deals with the skills and knowledge required to operate, inspect and monitor dust collection plant associated with a power station.
<b>UEPOPS243A</b>	<b>Operate Air Conditioning Plant</b> This unit deals with the skills and knowledge required to operate and inspect all air conditioning plant.
<b>UEPOPS244A</b>	<b>Operate and Monitor Site Services Water Systems</b> This unit deals with the skills and knowledge required to operate, inspect and monitor of site services water systems, excluding fixed fire water services.
<b>UEPOPS245A</b>	<b>Conduct Chemical Batching Operations</b> This unit deals with the skills and knowledge required to conduct mixing of chemicals for the treatment of a primary substance.
<b>UEPOPS246A</b>	<b>Operate Waste and Contaminated Water Plant</b> This unit deals with the skills and knowledge required to operate, inspect and monitor waste contaminated water plant associated with a power generating complex.
<b>UEPOPS247A</b>	<b>Operate and Monitor an Internal Combustion Single Fuel Reciprocating Engine</b> This unit deals with the skills and knowledge required to operate, inspect and monitor single fuel internal combustion engines.

<b>Schedule 1: Operation Units AQF 2 UEPOPS201 – UEPOPS250A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS248A</b>	<p><b>Operate and Monitor an Internal Combustion Dual Fuel Reciprocating Engine</b></p> <p>This unit deals with the skills and knowledge required to operate, inspect and monitor dual fuel reciprocating engines.</p>
<b>UEPOPS249A</b>	<p><b>Liase with Stakeholders</b></p> <p>This unit deals with the skills and knowledge required to communicate with staff and external/internal stakeholders.</p>
<b>UEPOPS250A</b>	<p><b>Perform Process Plant Inspections</b></p> <p>This unit deals with the skills and knowledge required to conduct the inspection of generation production plant and associated equipment.</p>

For full details refer Volume 2 Part 2.1:

**Schedule 1: Operation Units AQF 2 UEPOPS201 – EPOPS250A**

## Schedule 2: Operation Units AQF 3

The following units have been grouped into AQF 3 Operations Units. They can be found in Qualifications within this Training Package across a number of AQF levels. Reference should be made to Qualifications Structure section of Volume 1 Part 1 Qualifications Framework to determine the relevant unit(s) pertaining to the qualification(s) required.

<b>Schedule 2: Operations Units AQF 3 UEPOPS301A – UEPOPS357A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS301A</b>	<p><b>Conduct Single Energy Source Isolation Procedures for Permit to Work</b></p> <p>This unit deals with the skills and knowledge required to apply single energy source isolation procedures of the permit to work procedures at the isolating level.</p> <p>Job requirements including permits are coordinated with other personnel involved in, or affected by, the isolation in accordance with enterprise/site requirements.</p>
<b>UEPOPS302A</b>	<p><b>Perform Advanced Rigging Work</b></p> <p>This unit deals with the skills and knowledge required to undertake rigging work associated with, but not limited to, movement of plant and equipment, all hoists, rigging of cranes, dual lifts, suspended scaffolds and fabricated hung scaffolds.</p>
<b>UEPOPS303A</b>	<p><b>Perform Advanced Scaffolding</b></p> <p>This unit deals with the skills and knowledge required to perform the application of scaffolding work in an environment where electricity is being generated including, but not limited to, hung scaffolds, including scaffolds hanging from tubes, wire ropes and chains, and suspended scaffolds.</p>
<b>UEPOPS304A</b>	<p><b>Make and Spread a Stockpile</b></p> <p>This unit deals with the skills and knowledge required to make and spread stockpiles.</p>
<b>UEPOPS305A</b>	<p><b>Operate and Monitor Briquette Coal Cooling Plant</b></p> <p>This unit deals with the skills and knowledge required for operations associated with the cooling of coal in the briquette manufacturing process.</p>
<b>UEPOPS306A</b>	<p><b>Operate and Monitor Briquette Coal Drying Plant</b></p> <p>This unit deals with the skills and knowledge required for operations associated with the drying of coal in the briquette manufacturing process.</p>

<b>Schedule 2: Operations Units AQF 3 UEPOPS301A – UEPOPS357A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS307A</b>	<b>Operate and Monitor Briquette Coal Press Plant</b> This unit deals with the skills and knowledge required for operations associated with the pressing of dried raw fine coal into briquettes.
<b>UEPOPS308A</b>	<b>Perform Briquette Laboratory Tests</b> This unit deals with the skills and knowledge required for activities associated with the testing of coal briquette products.
<b>UEPOPS309A</b>	<b>Operate and Monitor Air Conditioning Equipment and Ventilation Systems</b> This unit deals with the skills and knowledge required to diagnose and repair faults in air conditioning equipment/ventilation systems, and associated accessories and wiring systems.
<b>UEPOPS310A</b>	<b>Operate Bulk Coal Handling Plant</b> This unit deals with the skills and knowledge required to address the storage, reclaiming and dispatching of bulk coal.
<b>UEPOPS311A</b>	<b>Operate Fabric Filter Dust Collection Plant</b> This unit deals with the skills and knowledge required to operate, inspect and monitor fabric filter dust collection plant associated with coal fired power stations.
<b>UEPOPS312A</b>	<b>Operate and Monitor Fuel Supply</b> This unit deals with the skills and knowledge required to operate, inspect and monitor fuel supply from source to recipient unit storage.
<b>UEPOPS313A</b>	<b>Operate and Monitor Boiler Draught System</b> This unit deals with the skills and knowledge required to operate, inspect and monitor boiler draught equipment
<b>UEPOPS314A</b>	<b>Operate and Monitor Fuel Firing Plant (Gas or Oil)</b> This unit deals with the skills and knowledge required to operate, inspect and monitor gas or oil firing plant.
<b>UEPOPS315A</b>	<b>Operate and Monitor Fuel Firing Plant (Coal)</b> This unit deals with the skills and knowledge required to operate, inspect and monitor coal firing plant.
<b>UEPOPS316A</b>	<b>Operate and Monitor Boiler Steam/Water Cycle</b> This unit deals with the skills and knowledge required to operate, inspect and monitor boiler steam/water cycle.

<b>Schedule 2: Operations Units AQF 3 UEPOPS301A – UEPOPS357A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS317A</b>	<b>Operate and Monitor Fixed Fire Protection Systems</b> This unit deals with the skills and knowledge required to operate, inspect and monitor fixed fire protection systems.
<b>UEPOPS318A</b>	<b>Operate and Monitor Compressed Gas Systems</b> This unit deals with the skills and knowledge required to operate compressed gas systems excluding air/steam.
<b>UEPOPS319A</b>	<b>Operate and Monitor Gas Production Plant</b> This unit deals with the skills and knowledge required to operate, inspect and monitor gas producing plant.
<b>UEPOPS320A</b>	<b>Operate and Monitor Compressed Air Systems</b> This unit deals with the skills and knowledge required to operate compressed air systems.
<b>UEPOPS321A</b>	<b>Operate and Monitor Water Treatment Plant</b> This unit deals with the skills and knowledge required to operate, inspect and monitor water treatment and purification plant.
<b>UEPOPS322A</b>	<b>Operate and Monitor Alkalinity Reduction Plant</b> This unit deals with the skills and knowledge required to operate, inspect and monitor alkalinity reduction plant which includes cooling tower water dosing plant.
<b>UEPOPS323A</b>	<b>Operate and Monitor Reverse Osmosis Plant</b> This unit deals with the skills and knowledge required to operate, inspect and monitor reverse osmosis plant.
<b>UEPOPS324A</b>	<b>Operate and Monitor Brine Concentrator Plant</b> This unit deals with the skills and knowledge required to operate, inspect and monitor of brine concentrator plant.
<b>UEPOPS325A</b>	<b>Operate and Monitor Water Quality Control Systems</b> This unit deals with the skills and knowledge required to operate and monitor water quality control systems in a power station.
<b>UEPOPS326A</b>	<b>Operate and Monitor Oil Systems</b> This unit deals with the skills and knowledge required to operate, monitor and inspect oil systems.

<b>Schedule 2: Operations Units AQF 3 UEPOPS301A – UEPOPS357A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS327A</b>	<b>Monitor and Maintain Civil Assets</b> This unit deals with the skills and knowledge required to monitor and conduct remedial maintenance required to ensure the integrity of civil assets encountered with in the hydro-electric generating system.
<b>UEPOPS328A</b>	<b>Undertake Dam Safety Surveillance</b> This unit deals with the skills and knowledge required to conduct ongoing surveillance of water storage facilities to ensure structural integrity and water quality is maintained.
<b>UEPOPS329A</b>	<b>Operate and Monitor Auxiliary Steam Systems</b> This unit deals with the skills and knowledge required to operate, inspect and monitor auxiliary steam systems in a power station.
<b>UEPOPS330A</b>	<b>Operate and Monitor Heat Exchangers</b> This unit deals with the skills and knowledge required to operate and monitor heat exchangers/cooling systems within power stations.
<b>UEPOPS331A</b>	<b>Operate and Monitor Water Systems (Condensate and Feedwater)</b> This unit deals with the skills and knowledge required to operate, inspect and monitor the condensation and feedwater system.
<b>UEPOPS332A</b>	<b>Operate and Monitor Condensing and Cooling Water Systems</b> This unit deals with the skills and knowledge required to operate, inspect and monitor condenser cooling water and auxiliary cooling water systems.
<b>UEPOPS333A</b>	<b>Operate and Monitor H.R.S.G. Hot Gas Control System</b> This unit deals with the skills and knowledge required to operate, inspect and monitor waste heat recovery systems.
<b>UEPOPS334A</b>	<b>Operate and Monitor a Wind Generator</b> This unit deals with the skills and knowledge required to operate, inspect and monitor wind generator plant of any capacity.
<b>UEPOPS335A</b>	<b>Operate a Hydro Generator/Synchronous Condenser/Pump Unit</b> This unit deals with the skills and knowledge required to start-up, maintain steady state running and shutdown a hydro unit operating in generator or synchronous condenser or pump mode.

<b>Schedule 2: Operations Units AQF 3 UEPOPS301A – UEPOPS357A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS336A</b>	<b>Manage, Operate and Monitor a Gas Turbine Unit</b> This unit deals with the skills and knowledge required to undertake the management of an in-service gas turbine unit.
<b>UEPOPS337A</b>	<b>Maintain Quality Systems Within the Team</b> This unit deals with the skills and knowledge required to oversee compliance with performance indicators through the maintenance of quality systems within a team environment.
<b>UEPOPS338A</b>	<b>Facilitate Effective Workplace Communication</b> This unit deals with the skills and knowledge required to facilitate effective workplace communication.
<b>UEPOPS339A</b>	<b>Operate and Monitor a Boiler Unit</b> This unit deals with the skills and knowledge required to operate and monitor the in-service boiler unit capable of supplying steam.
<b>UEPOPS340A</b>	<b>Operate and Monitor a Steam Turbine</b> This unit deals with the skills and knowledge required to operate and monitor of an in-service steam turbine.
<b>UEPOPS341A</b>	<b>Shut down a Steam Turbine</b> This unit deals with the skills and knowledge required to conduct a shut-down of a steam turbine to where it can be placed at rest.
<b>UEPOPS342A</b>	<b>Interpret and Analyse Single Operation Protection Devices</b> This unit deals with the skills and knowledge required to interpret and analyse of the operation of single operation protection devices.
<b>UEPOPS343A</b>	<b>Operate Hydro-Electric Generating Plant and Auxiliary Equipment</b> This unit deals with the skills and knowledge required to operate a hydro-electric generating station. This will include both the operational and maintenance activities associated with such plant.
<b>UEPOPS344A</b>	<b>Conduct Water Conveyance and Control</b> This unit deals with the skills and knowledge required for the operation of storage, conveyance and control systems of hydro generation water supplies.
<b>UEPOPS345A</b>	<b>Implement Dam Safety Surveillance Procedures</b> This unit deals with the skills and knowledge required for the scheduling, implementation and reporting of dam safety surveillance.

<b>Schedule 2: Operations Units AQF 3 UEPOPS301A – UEPOPS357A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS346A</b>	<b>Conduct Non-Routine Operational Testing</b> This unit deals with the skills and knowledge required to conduct testing of generation plant and associated equipment which may be of a non-routine nature.
<b>UEPOPS347A</b>	<b>Operate and Monitor Supervisory, Control and Data Acquisition Systems</b> This unit deals with the skills and knowledge required to undertake monitoring and operation of screen based supervisory, control and data acquisition systems.
<b>UEPOPS348A</b>	<b>Respond to Critical Incidents</b> This unit deals with the skills and knowledge required to respond to incidents of a critical nature that may impact on the operational effectiveness of the plant or system, endanger human life or property, or have an adverse impact on the environment.
<b>UEPOPS349A</b>	<b>UEPOPS352A Operate H.V. Primary Switchgear</b> This unit deals with the skills and knowledge required to undertake the local operation of high voltage primary circuit breaking devices.
<b>UEPOPS350A</b>	<b>UEPOPS353A Develop Contingency Plans</b> This unit deals with the skills and knowledge required to prepare contingency plans required to support the integrity of the enterprise.
<b>UEPOPS351A</b>	<b>Operate H.V. Condition Changing Apparatus</b> This unit deals with the skills and knowledge required to undertake the local operation of all high voltage condition modifying devices.
<b>UEPOPS352A</b>	<b>Conduct Operational Checks on In-service Mechanical Plant</b> This unit deals with the skills and knowledge required to conduct operational checks on in-service mechanical plant.
<b>UEPOPS353A</b>	<b>Conduct Operational Checks on In-service Electrical Plant</b> This unit deals with the skills and knowledge required to conduct operational checks on in-service electrical plant.
<b>UEPOPS354A</b>	<b>Operate and Monitor Dual Fuel Firing Plant</b> This unit deals with the skills and knowledge required for the operation, inspection and monitoring of dual fuel firing plant in which each fuel source is capable of providing 100% Maximum Continuous Rating.

<b>Schedule 2: Operations Units AQF 3 UEPOPS301A – UEPOPS357A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS355A</b>	<p><b>Monitor the Implementation of Under Frequency Load Shedding</b></p> <p>This unit deals with the skills and knowledge required to implement and monitor Under Frequency Load Shedding facilities for isolated and integrated generation/network systems.</p>
<b>UEPOPS356A</b>	<p><b>Apply Environmental and Sustainable Energy Procedures</b></p> <p>This competency standard addresses unit deals with the skills and knowledge required for the implementation of environmental procedures to demonstrate duty of care and to identify assess and control environmental risks and the impact of work related activities. It includes a commitment to the principles of sustainable energy.</p>
<b>UEPOPS357A</b>	<p><b>Operate H.V. Secondary Switchgear</b></p> <p>This unit deals with the skills and knowledge required to undertake the local operation of high voltage secondary circuit breaking devices.</p>

For full details refer Volume 2 Part 2.1:

**Schedule 2: Operations Units AQF 3 UEPOPS301A – UEPOPS357A**

### Schedule 3: Maintenance Units AQF 3

The following units have been grouped into the Maintenance Units for AQF 3. They can be found in Qualifications within this Training Package across a number of AQF levels. Reference should be made to Qualifications Structure section of Volume 1 Part 1 Qualifications Framework to determine the relevant unit(s) pertaining to the qualification(s) required.

<b>Schedule 3: Maintenance Units AQF 3 UEPMNT301A – UEPMNT360A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT301A</b>	<p><b>Install and Maintain Hydraulic/Pneumatic Components</b></p> <p>This unit deals with the skills and knowledge required to undertake the installation, repair and/or maintenance of fluid power components on stationary/mobile equipment.</p>
<b>UEPMNT302A</b>	<p><b>Install and Maintain Industrial Pipework</b></p> <p>This unit deals with the skills and knowledge required to undertake all work associated with the installation, maintenance, and fabrication of industrial pipework which may also involve fault finding and repairs.</p>
<b>UEPMNT303A</b>	<p><b>Maintain Mechanical Valves</b></p> <p>This unit deals with the skills and knowledge required to undertake fault finding, diagnosis, repair and/or overhaul of mechanical valves, but excluding any associated servo or actuating unit.</p>
<b>UEPMNT304A</b>	<p><b>Maintain Mechanical Pumps</b></p> <p>This unit deals with the skills and knowledge required to undertake the installation and maintenance of mechanical pumps, compressors and blowers and the installation of which requires no more than basic alignment.</p>
<b>UEPMNT305A</b>	<p><b>Maintain Industrial Fans</b></p> <p>This unit deals with the skills and knowledge required to undertake all work required to maintain/overhaul industrial fans and may involve fault finding, diagnosis, repair and could require the removal and replacement of rotating elements with modulating controls.</p>
<b>UEPMNT306A</b>	<p><b>Maintain Industrial Transmissions</b></p> <p>This unit deals with the skills and knowledge required to undertake all work associated with the installation and maintenance of industrial transmissions and may involve fault finding, diagnosis and repairs.</p>

<b>Schedule 3: Maintenance Units AQF 3 UEPMNT301A – UEPMNT360A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT307A</b>	<p><b>Maintain Industrial Screens, Strainers and Filters</b></p> <p>This unit deals with the skills and knowledge required to undertake the fault finding diagnosis, repair and/or overhaul of industrial screens, strainers and filters.</p>
<b>UEPMNT308A</b>	<p><b>Maintain Conveyors and Associated Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake the fault finding, diagnosis and repair, adjustments, exchange of rollers and preparations for belt splicing/repairs.</p>
<b>UEPMNT309A</b>	<p><b>Maintain Material Feeders</b></p> <p>This unit deals with the skills and knowledge required to undertake the in-service fault finding, diagnosis and out of service inspection (internal/external), repairs and/or overhaul of material feeders.</p>
<b>UEPMNT310A</b>	<p><b>Maintain Material Crushers</b></p> <p>This unit deals with the skills and knowledge required to undertake the in-service fault finding, diagnosis and out of service inspection, repairs, and/or overhauls of material crushers and would involve roll/door assemblies.</p>
<b>UEPMNT311A</b>	<p><b>Maintain Fuel Transport Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct the installation and repair/overhaul of fuel carriage/delivery and associated systems.</p>
<b>UEPMNT312A</b>	<p><b>Maintain Industrial Pressure Vessels</b></p> <p>This unit deals with the skills and knowledge required to maintain the boiler pressure parts, pressure vessels and associated components</p>
<b>UEPMNT313A</b>	<p><b>Maintain Internal Combustion Engines</b></p> <p>This unit deals with the skills and knowledge required to conduct maintenance and major overhauls of fixed or pad mounted internal combustion engines.</p>
<b>UEPMNT314A</b>	<p><b>Maintain Hydro Turbines</b></p> <p>This unit deals with the skills and knowledge required for the removal from service and overhaul of hydro turbines.</p>
<b>UEPMNT315A</b>	<p><b>Maintain Wind Turbines</b></p> <p>This unit deals with the skills and knowledge required for the removal from service and overhaul of hydro turbines.</p>

<b>Schedule 3: Maintenance Units AQF 3 UEPMNT301A – UEPMNT360A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT316A</b>	<p><b>Perform Advanced Machining Operations</b></p> <p>This unit deals with the skills and knowledge required to perform advanced machining operations that may require complex calculations, a high level of precision or quality and using a full range of materials including non-standard metals and alloys. It would also be expected that the full range of machine accessories could be employed.</p>
<b>UEPMNT317A</b>	<p><b>Diagnose and Repair Faults in Mechanical Equipment</b></p> <p>This unit deals with the skills and knowledge required to diagnose and repair faults in a range of mechanical equipment and may entail the work to be carried out whilst machinery/plant is on line.</p>
<b>UEPMNT318A</b>	<p><b>Conduct Generator Mechanical Maintenance</b></p> <p>This unit deals with the skills and knowledge required to conduct mechanical maintenance of an electrical generating unit.</p>
<b>UEPMNT319A</b>	<p><b>Maintain and Test Fixed Fire Protection Systems</b></p> <p>This unit deals with the skills and knowledge required to conduct maintenance, fault finding and in-service testing of fixed fire protection systems.</p>
<b>UEPMNT320A</b>	<p><b>Inspect and Repair/Replace Faults in Mechanical Equipment/Components</b></p> <p>This unit deals with the skills and knowledge required to inspect and repair faults in a range of mechanical equipment/components which may require fabrication work to be carried out.</p>
<b>UEPMNT321A</b>	<p><b>Weld Using Manual Metal Arc Welding Process (MMAW)</b></p> <p>This unit deals with the skills and knowledge required to perform general purpose Manual Metal Arc Welding to AS1554.GP.</p>
<b>UEPMNT322A</b>	<p><b>Weld using Gas Metal Arc Welding Process (GMAW)</b></p> <p>This unit deals with the skills and knowledge required to perform General Purpose Gas Metal Arc Welding to AS1554.GP.</p>
<b>UEPMNT323A</b>	<p><b>Weld using Gas Tungsten Arc Welding Process (GTAW)</b></p> <p>This unit deals with the skills and knowledge required to perform General Purpose Gas Tungsten Arc Welding to AS1554 GP.</p>
<b>UEPMNT324A</b>	<p><b>Weld using Oxyacetylene Welding Process (OAW)</b></p> <p>This unit deals with the skills and knowledge required to perform Oxyacetylene (Fuel Gas) Welding to AS1554.GP.</p>

<b>Schedule 3: Maintenance Units AQF 3 UEPMNT301A – UEPMNT360A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT325A</b>	<b>Weld Using Submerged Arc Welding Process (SAW)</b> This unit deals with the skills and knowledge required to perform submerged arc welding to AS1554.GP.
<b>UEPMNT326A</b>	<b>Perform Advanced Welding using Manual Metal Arc Welding Process (MMAW)</b> This unit deals with the skills and knowledge required to perform special purpose Manual Metal Arc Welding to AS1554 SP.
<b>UEPMNT327A</b>	<b>Perform Advanced Welding using Gas Metal Arc Welding (GMAW)</b> This unit deals with the skills and knowledge required to perform special purpose Gas Metal Arc Welding to AS1544.S.P.
<b>UEPMNT328A</b>	<b>Perform Advanced Welding using Gas Tungsten Arc Welding (GTAW)</b> This unit deals with the skills and knowledge required to perform special purpose Gas Tungsten Arc Welding to AS1554.SP.
<b>UEPMNT329A</b>	<b>Perform Advanced Welding using Oxyacetylene Welding Process (OAW)</b> This unit deals with the skills and knowledge required to perform special purpose Oxy Acetylene Welding to AS1554.SP.
<b>UEPMNT330A</b>	<b>Perform Manual Metal Arc Welding Process to Weld to AS1796 Certificate 1/1E (Low Carbon Steel Sheet and Plate)</b> This unit deals with the skills and knowledge required to weld to AS1796 Certificate 1/1E (low carbon steel sheet and plate) using Manual Metal Arc Welding process.
<b>UEPMNT331A</b>	<b>Perform Manual Metal Arc Welding Process to Weld to AS1796 Certificate 2 (Low Carbon Steel Pipe)</b> This unit deals with the skills and knowledge required to weld to AS1796 Certificate 2 (lcs pipe) using Manual Metal Arc Welding process.
<b>UEPMNT332A</b>	<b>Perform Manual Metal Arc Welding to Weld to AS1796 Certificate 3/3E (Alloy Steel Plate)</b> This unit deals with the skills and knowledge required to weld to AS1796 Certificate 3/3E (alloy steel plate) using Manual Metal Arc Welding process.

<b>Schedule 3: Maintenance Units AQF 3 UEPMNT301A – UEPMNT360A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT333A</b>	<p><b>Perform Manual Metal Arc Welding Process to Weld to AS1796 Certificate 4 (Alloy Steel Pipe)</b></p> <p>This unit deals with the skills and knowledge required to weld to AS1796 Certificate 4 (alloy steel pipe) using Manual Metal Arc Welding process.</p>
<b>UEPMNT334A</b>	<p><b>Perform Gas Tungsten Arc Welding and Manual Metal Arc Welding Processes to Weld to AS1796 Certificate 5 (Alloy Steel Pipe)</b></p> <p>This unit deals with the skills and knowledge required to weld to AS1796 Certificate 5 (alloy steel pipe) using Gas Tungsten Arc Welding and manual Metal Arc Welding processes.</p>
<b>UEPMNT335A</b>	<p><b>Perform Oxyacetylene Welding Process (Fuel Gas) to AS1796 Certificate 6/6E</b></p> <p>This unit deals with the skills and knowledge required to weld to AS1796 Certificate 6/6E using Oxy Acetylene (fuel gas) welding process.</p>
<b>UEPMNT336A</b>	<p><b>Perform Gas Tungsten Arc Welding to Weld to AS1796 Certificate 7 (Pipe)</b></p> <p>This unit deals with the skills and knowledge required to weld to AS1796 Certificate 7 (pipe) using Gas Tungsten Arc welding process.</p>
<b>UEPMNT337A</b>	<p><b>Perform Gas Metal Arc Welding to Weld to AS1796 Certificate 8/8E (Plate and Pipe)</b></p> <p>This unit deals with the skills and knowledge required to weld to AS1796 Certificate 8/8e (plate and pipe) using Gas Metal Arc Welding process.</p>
<b>UEPMNT338A</b>	<p><b>Perform Submerged Arc Welding to Weld to AS1796 Certificate 9</b></p> <p>This unit deals with the skills and knowledge required to weld to AS1796 Certificate 9 using Submerged Arc Welding process.</p>
<b>UEPMNT339A</b>	<p><b>Perform Sheet Metal Work</b></p> <p>This unit deals with the skills and knowledge required to undertake marking out and development, fabrication and installation of sheet metal work.</p>

<b>Schedule 3: Maintenance Units AQF 3 UEPMNT301A – UEPMNT360A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT340A</b>	<p><b>Fabricate Metal Structures and Components</b></p> <p>This unit deals with the skills and knowledge required to fabricate metal structures and components required to facilitate the installation, modification and maintenance of equipment associated with the Generation industry sector.</p>
<b>UEPMNT341A</b>	<p><b>Repair/Replace/Modify Metal Structures and Components</b></p> <p>This unit deals with the skills and knowledge required to repair, replacement and/or modification of metal structures and components used in the Generation industry sector.</p>
<b>UEPMNT342A</b>	<p><b>Install Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake the installation of electrical equipment including, but not limited to, rotating and static machines, appliances, luminaries and associated control equipment, but excludes H.V. equipment.</p>
<b>UEPMNT343A</b>	<p><b>Install Electrical Wiring Systems</b></p> <p>This unit deals with the skills and knowledge required to undertake the installation of electrical wiring systems including, but not limited to, general low voltage lighting, power circuits, control/indication and alarm circuits.</p>
<b>UEPMNT344A</b>	<p><b>Install Complex Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake the installation of complex/H.V electrical equipment.</p>
<b>UEPMNT345A</b>	<p><b>Install Electronic Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake the installation of electronic electrical equipment containing solid state components, complex control panels and complex control equipment.</p>
<b>UEPMNT346A</b>	<p><b>Maintain Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake the maintenance of electrical equipment including, but not limited to, rotating and static machines, appliances, luminaries and associated control equipment, but excludes H.V. equipment.</p>
<b>UEPMNT347A</b>	<p><b>Maintain Complex Electrical Equipment</b></p> <p>This unit refers to the maintenance of complex and H.V. electrical equipment.</p>

<b>Schedule 3: Maintenance Units AQF 3 UEPMNT301A – UEPMNT360A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT348A</b>	<p><b>Maintain Electrical Electronic Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake the maintenance of electronic electrical equipment containing solid state components, complex control panels and complex control equipment.</p>
<b>UEPMNT349A</b>	<p><b>Diagnose and Repair Faults in Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to diagnose and repair faults in electrical equipment, which may involve the work to be carried out with equipment online.</p>
<b>UEPMNT350A</b>	<p><b>Modify Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to perform modifications of electrical equipment and may include, but not be limited to, alterations, additions or adjustments.</p>
<b>UEPMNT351A</b>	<p><b>Test and Commission Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct testing and commissioning of electrical wiring systems and equipment.</p>
<b>UEPMNT352A</b>	<p><b>Test and Commission Electronic Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct testing and commissioning of electrical electronic equipment.</p>
<b>UEPMNT353A</b>	<p><b>Install Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake installation of instrumentation used in a “closed loop” system, including, but not limited to, sensor elements, signal characterising equipment, input/output blocks, controllers, transducers and final elements.</p>
<b>UEPMNT354A</b>	<p><b>Install Instrumentation Wiring Systems</b></p> <p>This unit deals with the skills and knowledge required to undertake installation of instrumentation wiring systems include, but not limited to cords and cables such as flexible multicore, thermocouple, co-axial, ribbon and hook up cable, signal and data cable.</p>
<b>UEPMNT355A</b>	<p><b>Install Complex/Electronic Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake installation of instrumentation used in a “multi-loop” configuration, including, but not limited to, signal characterising equipment, totaliser units, microprocessor control equipment, interface equipment, laboratory and field analysers, ultrasonic and nucleonics equipment.</p>

<b>Schedule 3: Maintenance Units AQF 3 UEPMNT301A – UEPMNT360A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT356A</b>	<p><b>Maintain Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake maintenance of instrumentation equipment including, but not limited to, process measurement and control and analytical instrumentation.</p>
<b>UEPMNT357A</b>	<p><b>Diagnose and Repair Faults in Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake the diagnose and repair (to block level) of instrumentation used in “closed loop” system, including, but not limited to, sensor elements, signal characterising equipment, input/output blocks, controllers, transducers and final elements.</p>
<b>UEPMNT358A</b>	<p><b>Modify Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct modification of instrumentation used in a “closed loop” system, including, but not limited to, sensor elements, signal characterising equipment, input/output blocks, controllers, transducers, final elements.</p>
<b>UEPMNT359A</b>	<p><b>Test and Commission Instrumentation Systems</b></p> <p>This unit deals with the skills and knowledge required to conduct testing and commissioning of instrumentation systems and all ancillary equipment including, but not limited to, PC operating systems, distributive control systems, programmable logic control systems, process control systems.</p>
<b>UEPMNT360A</b>	<p><b>Terminate Fibre Optic Cables</b></p> <p>This unit deals with the skills and knowledge required to undertake termination of fibre optic cables to equipment including, but not limited to, digital process controllers, distributive control systems, process computers, complex fire/security systems.</p>

For full details refer Volume 2 Part 2.1:

**Schedule 3: Maintenance Units AQF 3 UEPMNT301A – UEPMNT360A**

## Schedule 4: Operations Units AQF 4

The following units have been grouped into the Operations Units for AQF 4. They can be found in Qualifications within this Training Package across a number of AQF levels. Reference should be made to Qualifications Structure section of Volume 1 Part 1 Qualifications Framework to determine the relevant unit(s) pertaining to the qualification(s) required.

<b>Schedule 4: Operations Units AQF 4 UEPOPS401A – UEPOPS442A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS401A</b>	<p><b>Monitor Compliance with Occupational Health and Safety Policy and Procedures</b></p> <p>This unit deals with the skills and knowledge required to implement and monitor the organisation's Occupational Health and Safety policies, procedures and programs in the relevant work area to achieve and maintain Occupational Health and Safety standards.</p> <p>It requires the ability to implement and comply with workplace procedures in hazard identification and risk control, observation of others safe practices during work operations and conduct of participative arrangements for maintaining health and safety in the workplace.</p>
<b>UEPOPS402A</b>	<p><b>Conduct Multiple Energy Source Isolation Procedures for Permit to Work</b></p> <p>This unit deals with the skills and knowledge required for the application of permit to work procedures where multiple energy sources require isolation for safe access to high voltage, low voltage or mechanical apparatus.</p>
<b>UEPOPS403A</b>	<p><b>Coordinate Permit to Work System</b></p> <p>This unit deals with the skills and knowledge required to coordinate the permit to work system, its implementation and application on a day to day basis and during major outages and projects.</p>
<b>UEPOPS404A</b>	<p><b>Coordinate First Response Team Operation</b></p> <p>This unit deals with the skills and knowledge required to coordinate and manage a first response team.</p>
<b>UEPOPS405A</b>	<p><b>Operate and Monitor AC Electrical Systems</b></p> <p>This unit deals with the skills and knowledge required to operate and monitor local and remote operation of AC electrical switchgear, ring mains, switchboards and distribution systems including transformers and the remote operation of high voltage switch yards.</p>

<b>Schedule 4: Operations Units AQF 4 UEPOPS401A – UEPOPS442A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS406A</b>	<p><b>Operate and Monitor DC Electrical Systems</b></p> <p>This unit deals with the skills and knowledge required to operate and monitor the local and remote operation of DC electrical switchgear, ring mains, switchboards, rectification and distribution systems.</p>
<b>UEPOPS407A</b>	<p><b>Start and Run up a Gas Turbine</b></p> <p>This unit deals with the skills and knowledge required for the establishment of combustion in a gas turbine, and establishing the gas turbine at operational speed.</p>
<b>UEPOPS408A</b>	<p><b>Shut Down a Gas Turbine</b></p> <p>This unit deals with the skills and knowledge required to shut down a gas turbine unit to a standby state.</p>
<b>UEPOPS409A</b>	<p><b>Start Up a Boiler Unit</b></p> <p>This unit deals with the skills and knowledge required to establish combustion in a boiler through to a stage at which combustion support energy is no longer necessary.</p>
<b>UEPOPS410A</b>	<p><b>Shut Down a Boiler Unit</b></p> <p>This unit deals with the skills and knowledge required to conduct the shutdown of a boiler unit to a de-pressurised state.</p>
<b>UEPOPS411A</b>	<p><b>Run Up a Steam Turbine</b></p> <p>This unit deals with the skills and knowledge required to conduct a steam turbine run up to a stable operating condition.</p>
<b>UEPOPS412A</b>	<p><b>Undertake Commissioning/Decommissioning</b></p> <p>This unit deals with the skills and knowledge required to undertake the decommissioning of plant and equipment and its subsequent recommissioning following maintenance and, or overhaul.</p>
<b>UEPOPS413A</b>	<p><b>Coordinate Operational Strategies for Power Production</b></p> <p>This unit deals with the skills and knowledge for the co-ordination of operational strategies to achieve the short and long term goals of the production plant.</p>
<b>UEPOPS414A</b>	<p><b>Perform Risk Analysis of Generation Plant</b></p> <p>This unit deals with the skills and knowledge required to identify and analyse the risk in loss of generation/production plant.</p>

<b>Schedule 4: Operations Units AQF 4 UEPOPS401A – UEPOPS442A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS415A</b>	<p><b>Perform Cost Estimations</b></p> <p>This unit deals with the skills and knowledge required to perform cost estimations for planned and forced plant outages (plant may be a single item or whole unit).</p>
<b>UEPOPS416A</b>	<p><b>Monitor the Implementation of the Enterprise's Production/Maintenance Quality Control Procedures</b></p> <p>This unit deals with the skills and knowledge required to monitor the implementation of the production or maintenance quality control procedures at the enterprise level.</p>
<b>UEPOPS417A</b>	<p><b>Monitor and Implement Environmental Plans and Procedures</b></p> <p>This unit deals with the skills and knowledge required to address the monitoring and implementation of the application of environmental plans and procedures and the development of environmental procedures for the local work area.</p>
<b>UEPOPS418A</b>	<p><b>Deliver and Review Training</b></p> <p>This unit deals with the skills and knowledge required by individuals who play a key role in providing and reviewing training to raise the levels of competency in the workforce.</p>
<b>UEPOPS419A</b>	<b>Reserved</b>
<b>UEPOPS420A</b>	<p><b>Coordinate the Network/System</b></p> <p>This unit deals with the skills and knowledge required for the co-ordination of a network/system. Systems may be interconnected, remote or isolated.</p>
<b>UEPOPS421A</b>	<p><b>Manage Critical Incidents</b></p> <p>This unit refers to the management of incidents of a critical nature that may impact on the operational effectiveness of the plant or system, endanger human life or property, or have an adverse impact on the environment.</p>
<b>UEPOPS422A</b>	<p><b>Schedule Generation</b></p> <p>This unit deals with the skills and knowledge required to undertake the scheduling of a generation plant to economically meet forecast demand.</p>

<b>Schedule 4: Operations Units AQF 4 UEPOPS401A – UEPOPS442A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS423A</b>	<p><b>Plan a Scheduled Outage</b></p> <p>This unit deals with the skills and knowledge required to plan for a Scheduled outage.</p>
<b>UEPOPS424A</b>	<p><b>Coordinate Local H.V. Networks</b></p> <p>This unit deals with the skills and knowledge required to coordinate the local control and management of HV substations and/or local networks.</p>
<b>UEPOPS425A</b>	<p><b>Produce Maintenance Plans for Generation Production Plant</b></p> <p>This unit deals with the skills and knowledge required to undertake the establishment and implementation of maintenance plans for generation production plant that may include boiler, turbine, hydro, electrical, control and monitoring, ash and dust; water treatment and fuel plant.</p>
<b>UEPOPS426A</b>	<p><b>Interpret and Analyse Multi-Operation Protection Devices</b></p> <p>This unit deals with the skills and knowledge required to interpret and analyse multi-operation high voltage protection schemes and related low voltage protection.</p>
<b>UEPOPS427A</b>	<p><b>Interpret and Analyse Low Voltage and Mechanical Protection Devices</b></p> <p>This unit deals with the skills and knowledge required to interpret and analyse the conditions that have initiated the operation of low voltage and or mechanical protection device and to subsequently take corrective action in response to the operation of the device.</p>
<b>UEPOPS428A</b>	<p><b>Develop H.V. Switching Programs</b></p> <p>This unit deals with the skills and knowledge required to develop switching programs where multiple sources of supply must be considered and managed.</p>
<b>UEPOPS429A</b>	<p><b>Coordinate and Direct Switching Program</b></p> <p>This unit deals with the skills and knowledge required to coordinate and direct resources when managing a switching program.</p>
<b>UEPOPS430A</b>	<p><b>Control Permit to Work Operations</b></p> <p>This unit deals with the skills and knowledge required to perform work in association with a permit system.</p>

<b>Schedule 4: Operations Units AQF 4 UEPOPS401A – UEPOPS442A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS431A</b>	<b>Collect and Analyse Hydrological and Meteorological Data</b> This unit deals with the skills and knowledge required to predict and determine inflows in catchment areas.
<b>UEPOPS432A</b>	<b>Start Up a Heat Recovery Steam Generator Unit</b> This unit deals with the skills and knowledge required to prepare a Heat Recovery Steam Generator for service.
<b>UEPOPS433A</b>	<b>Operate and Monitor a Heat Recovery Steam Generator Unit</b> This unit deals with the skills and knowledge required to operate an in-service Heat Recover Steam Generator.
<b>UEPOPS434A</b>	<b>Shut Down a Heat Recovery Steam Generator Unit</b> This unit deals with the skills and knowledge required to a shut down of an in-service Heat Recovery Steam Generator unit.
<b>UEPOPS435A</b>	<b>Operate and Monitor Flue Gas Nox Mitigation Systems</b> This unit deals with the skills and knowledge required for the operation, inspection and monitoring of flue gas Nox mitigation systems.
<b>UEPOPS436A</b>	<b>Operate and Monitor Dual Fuel Firing Plant</b> This unit deals with the skills and knowledge required for the operation, inspection and monitoring of dual fuel firing plant in which each fuel source is capable of providing 100% Maximum Continuous Rating.
<b>UEPOPS437A</b>	<b>Manage System Re-start</b> This unit refers to the operation and control of multiple generators sharing load under the control of one operator in an isolated system.
<b>UEPOPS438A</b>	<b>Coordinate Electrical Energy Production</b> This unit deals with the skills and knowledge required to coordinate the safe and effective management of energy production to meet demand on an electricity generating unit.
<b>UEPOPS439A</b>	<b>Plan and Organise Work</b> This unit deals with the skills and knowledge required to undertake the planning and organising of tasks to be undertaken by the team.
<b>UEPOPS440A</b>	<b>Coordinate Team Activities</b> This unit deals with the skills and knowledge required to direct and coordinate team activities required to achieve agreed goals.

<b>Schedule 4: Operations Units AQF 4 UEPOPS401A – UEPOPS442A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS441A</b>	<p><b>Operate and Monitor System Equipment</b></p> <p>This unit deals with the skills and knowledge required to operate, monitor and control H.V. apparatus on the system, via SCADA control.</p>
<b>UEPOPS442A</b>	<p><b>Monitor and Coordinate the Operation of a Combined Cycle Gas Turbine Unit</b></p> <p>This unit deals with the skills and knowledge required to simultaneously operate and monitor a Combined Cycle Plant for the safe and effective management of energy production to meet demand on combined cycle gas turbine electricity generating unit</p>

For full details refer Volume 2 Part 2.1:

**Schedule 4: Operations Units AQF 4 UEPOPS401A – UEPOPS442A**

### Schedule 5: Maintenance Units AQF 4

The following units have been grouped into the Maintenance Units for AQF 4. They can be found in Qualifications within this Training Package across a number of AQF levels. Reference should be made to Qualifications Structure section of Volume 1 Part 1 Qualifications Framework to determine the relevant unit(s) pertaining to the qualification(s) required.

<b>Schedule 5: Maintenance Units AQF 4 UEPMNT401A – UEPMNT433A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT401A</b>	<p><b>Install and Maintain Complex Mechanical Seals</b></p> <p>This unit deals with the skills and knowledge required to undertake all work associated with the installation and maintenance of complex mechanical seals and which may involve fault finding, diagnosis and repairs.</p>
<b>UEPMNT402A</b>	<p><b>Conduct Complex Levelling and Alignment</b></p> <p>This unit deals with the skills and knowledge required to conduct the advanced alignment of plant and machinery and may include high speed rotating plant.</p>
<b>UEPMNT403A</b>	<p><b>Maintain Complex Mechanical Valves</b></p> <p>This unit deals with the skills and knowledge required to undertake the fault finding, diagnosis, repair and/or overhaul of complex mechanical valves, but excluding associated servo or actuating units.</p>
<b>UEPMNT404A</b>	<p><b>Maintain Complex Mechanical Pumps</b></p> <p>This unit deals with the skills and knowledge required to undertake the installation and maintenance of multi-stage centrifugal pumps, axial flow compressors, fans and blowers.</p>
<b>UEPMNT405A</b>	<p><b>Maintain Fluid Power Systems</b></p> <p>This unit deals with the skills and knowledge required to undertake the fault finding, diagnosis, repair and/or maintenance of fluid power systems and components on stationary/mobile equipment.</p>
<b>UEPMNT406A</b>	<p><b>Install and Maintain a Steam Turbine</b></p> <p>This unit deals with the skills and knowledge required to install HP, IP, LP, SFPT, cylinders, rotors and steam units.</p>
<b>UEPMNT407A</b>	<p><b>Install and Maintain a Gas Turbine</b></p> <p>This unit deals with the skills and knowledge required to undertake the repair of compressors, turbines and associated equipment on gas turbine units.</p>

<b>Schedule 5: Maintenance Units AQF 4 UEPMNT401A – UEPMNT433A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT408A</b>	<p><b>Install Hydro Turbines</b></p> <p>This unit deals with the skills and knowledge required to install Hydro Turbines.</p>
<b>UEPMNT409A</b>	<p><b>Conduct Welding Inspection/Supervision</b></p> <p>This unit deals with the skills and knowledge required to satisfy the code requirements relating to welding and supervision procedures including Australian and/or International Standards Codes of Practice enterprise procedures and Manufacturer’s specifications.</p>
<b>UEPMNT410A</b>	<p><b>Diagnose and Repair Faults in Electronic Equipment</b></p> <p>This unit deals with the skills and knowledge required to diagnose and repair faults in electronic equipment to board and component level and may involve the work to be carried out with equipment online.</p>
<b>UEPMNT411A</b>	<p><b>Diagnose and Repair Faults in Complex Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to diagnose and repair faults in complex and H.V. electrical equipment, and may involve the work to be carried out with equipment online.</p>
<b>UEPMNT412A</b>	<p><b>Modify Complex Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake modifications of complex and H.V electrical equipment and may include, but not be limited to, alterations, additions or adjustments.</p>
<b>UEPMNT413A</b>	<p><b>Modify Electronic Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake modification of electronic electrical equipment and may include, but not be limited to, alterations, additions or adjustments.</p>
<b>UEPMNT414A</b>	<p><b>Test and Commission Complex Electrical Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct testing and commissioning of complex and H.V. electrical wiring systems and equipment.</p>
<b>UEPMNT415A</b>	<p><b>Diagnose and Repair Faults in Complex Refrigeration/Air Conditioning Equipment</b></p> <p>This unit deals with the skills and knowledge required to diagnose and repair faults in complex refrigeration/air conditioning equipment, and associated accessories and wiring systems.</p>

<b>Schedule 5: Maintenance Units AQF 4 UEPMNT401A – UEPMNT433A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT416A</b>	<p><b>Overhaul Electrical Generator</b></p> <p>This unit deals with the skills and knowledge required for the overhaul of an electrical generating set.</p>
<b>UEPMNT417A</b>	<p><b>Inspect Electrical Generators and Diagnose Faults</b></p> <p>This unit deals with the skills and knowledge required to conduct inspections and diagnose faults in electrical generating sets.</p>
<b>UEPMNT418A</b>	<p><b>Perform Mechanical and Fabrication Drafting</b></p> <p>This unit deals with the skills and knowledge required to perform the drafting and use of drawing equipment as applied to the production of schematic and plan drawings.</p>
<b>UEPMNT419A</b>	<p><b>Perform Civil Drafting</b></p> <p>This unit deals with the skills and knowledge required to perform the drafting and use of drawing equipment as applied to the production of sectional, arrangement, schematic and plan drawings.</p>
<b>UEPMNT420A</b>	<p><b>Perform Electrical/Electronic Drafting</b></p> <p>This unit deals with the skills and knowledge required to perform drafting of electrical circuits and use of drawing equipment as applied to the production of schematic and wiring diagrams.</p>
<b>UEPMNT421A</b>	<p><b>Conduct Technical Inspection of Process Plant and Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct the technical inspection of a generation plant, equipment, processes and associated infrastructure.</p>
<b>UEPMNT422</b>	<p><b>Conduct Performance Testing on Process Plant and Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct performance testing on generation plant equipment and processes to assess plant efficiency.</p>
<b>UEPMNT423A</b>	<p><b>Conduct Condition Monitoring</b></p> <p>This unit deals with the skills and knowledge required to conduct condition monitoring and testing to determine the efficiency of a range of rotational plant and associated equipment used in the generation industry.</p>

<b>Schedule 5: Maintenance Units AQF 4 UEPMNT401A – UEPMNT433A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT424A</b>	<p><b>Monitor Efficiency of Thermal Steam Cycle Power Plant</b></p> <p>This unit deals with the skills and knowledge required for the collection of data and the calculation of the efficiency of plant associated with the thermal steam cycle.</p>
<b>UEPMNT425A</b>	<p><b>Maintain Complex Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct maintenance of complex instrumentation equipment including, but not limited to, multi-loop equipment such as signal characterising, analogue control equipment, microprocessor control such as programmable logic, laboratory and industrial analysers, ultra sonic and nucleonic equipment.</p>
<b>UEPMNT426A</b>	<p><b>Maintain Electronic Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct maintenance of electronic instrumentation equipment.</p>
<b>UEPMNT427A</b>	<p><b>Diagnose and Repair Faults in Complex Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to undertake the diagnose and repair of complex instrumentation configuration including, but not limited to, signal characterising equipment, totaliser units, microprocessor control equipment, interface equipment, laboratory and field analysers, ultrasonic and nucleonic equipment.</p>
<b>UEPMNT428A</b>	<p><b>Modify Complex Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct modification of complex instrumentation used in a “multi-loop” configuration, including, characterising equipment, microprocessor control equipment, interface equipment, laboratory and field analysers, ultra-sonic and nucleonic equipment.</p>
<b>UEPMNT429A</b>	<p><b>Modify Electronic Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct modification of electronic equipment including, but not limited to, process control instrumentation, power grid energy control, supervisory instrumentation, security equipment (CCTV).</p>

<b>Schedule 5: Maintenance Units AQF 4 UEPMNT401A – UEPMNT433A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT430A</b>	<p><b>Test and Commission Complex Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct testing and commissioning of complex instrumentation used in “multi-loop” configuration, including, but not limited to signal characterising equipment, totaliser units, microprocessor control equipment, interface equipment, laboratory and field analysers, ultra-sonic and nucleonics equipment.</p>
<b>UEPMNT431A</b>	<p><b>Test and Commission Electronic Instrumentation Equipment</b></p> <p>This unit deals with the skills and knowledge required to conduct testing and commissioning of electronic wiring systems and complex digital/analogue equipment including, but not limited to, process control instrumentation, power grid energy control, supervisory instrumentation, security equipment (CCTV).</p>
<b>UEPMNT432A</b>	<p><b>Write Programs for Control Systems</b></p> <p>This unit deals with the skills and knowledge required to undertake the writing of programs from flow charts for electronic control systems.</p>
<b>UEPMNT433A</b>	<p><b>Conduct Routine Generator Electrical Maintenance</b></p> <p>This unit deals with the skills and knowledge required to undertake those routine maintenance tasks of an electrical generating set.</p>

For full details refer Volume 2 Part 2.1:

**Schedule 5: Maintenance Units AQF 4 UEPMNT401A – UEPMNT433A**

## Schedule 6: Operation Units AQF 5

The following units have been grouped into the Operations Units for AQF 5. They can be found in Qualifications within this Training Package across a number of AQF levels. Reference should be made to Qualifications Structure section of Volume 1 Part 1 Qualifications Framework to determine the relevant unit(s) pertaining to the qualification(s) required.

<b>Schedule 6: Operations Units AQF 5 UEPOPS501A – UEPOPS515A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS501A</b>	<p><b>Manage Occupational Health and Safety Policy and Procedures</b></p> <p>This unit deals with the skills and knowledge required to establish and evaluate the organisation's Occupational Health and Safety system in order to ensure that the workplace is, so far as is practicable, safe and without risks to the health of employees.</p>
<b>UEPOPS502A</b>	<p><b>Manage Permit to Work System</b></p> <p>This unit deals with the skills and knowledge required to manage the development implementation, and review of the permit to work system.</p>
<b>UEPOPS503A</b>	<p><b>Manage First Response Team Operation</b></p> <p>This unit deals with the skills and knowledge required to manage the operation of a response team. It covers the development, implementation</p>
<b>UEPOPS504A</b>	<p><b>Develop Implement and Monitor Environmental Management Systems</b></p> <p>This unit deals with the skills and knowledge required to identify the environmental requirements for the implementation of a management strategy and the monitoring and reviewing of its effectiveness.</p>
<b>UEPOPS505A</b>	<p><b>Produce Maintenance Strategies for Generation Production Plant</b></p> <p>This unit deals with the skills and knowledge required to undertake the establishment and implementation of maintenance strategies for generation production plant that may include boiler, turbine, hydro plant, electrical, control and monitoring, ash and dust; water treatment and fuel plant.</p>

<b>Schedule 6: Operations Units AQF 5 UEPOPS501A – UEPOPS515A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS506A</b>	<p><b>Establish and Implement Operational Strategies for Power Production</b></p> <p>This unit deals with the skills and knowledge required to establish, develop and implement operational strategies to achieve the short and long term goals of the production plant.</p>
<b>UEPOPS507A</b>	<p><b>Conduct Project Management</b></p> <p>This unit deals with the skills and knowledge required to plan, implement, monitor and complete project work.</p>
<b>UEPOPS508A</b>	<p><b>Manage Commissioning/Decommissioning</b></p> <p>This unit deals with the skills and knowledge required to undertake the management of commissioning of plant and equipment and its subsequent decommissioning. It may also involve the decommissioning and recommissioning of plant and equipment for refurbishment.</p>
<b>UEPOPS509A</b>	<p><b>Manage Quality Control Procedures</b></p> <p>This unit deals with the skills and knowledge required to manage quality control procedures.</p>
<b>UEPOPS510A</b>	<p><b>Monitor Power Generation Plant Reliability</b></p> <p>This unit deals with the skills and knowledge required to monitor the generating plant reliability.</p>
<b>UEPOPS511A</b>	<p><b>Tune Process Plant and Equipment</b></p> <p>This unit deals with the skills and knowledge required to complete the investigation, nomination and adjustments of tuning parameters associated with generation plant, equipment and processes.</p>
<b>UEPOPS512A</b>	<p><b>Manage the Network/System</b></p> <p>This unit deals with the skills and knowledge required to manage a network/system (eg these systems may be interconnected, remote or isolated).</p>
<b>UEPOPS513A</b>	<p><b>Manage Operational Crisis to Maintain/Restore Power System Integrity</b></p> <p>This unit deals with the skills and knowledge required to manage a crisis of a magnitude which affects the integrity and effectiveness of the system.</p>

<b>Schedule 6: Operations Units AQF 5 UEPOPS501A – UEPOPS515A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPOPS514A</b>	<b>Control Hydro Generation/Pumping</b> This unit deals with the skills and knowledge required to undertake remote control of hydro plant.
<b>UEPOPS515A</b>	<b>Coordinate Power Generation</b> This unit deals with the skills and knowledge required to coordinate operation and control of multiple generators sharing load under the control of one operator in an isolated system.

For full details refer Volume 2 Part 2.1:

**Schedule 6: Operations Units AQF 5 UEPOPS501A – UEPOPS515A**

## Schedule 7: Maintenance Units AQF 5

The following units have been grouped into the Maintenance Units for AQF 4. They can be found in Qualifications within this Training Package across a number of AQF levels. Reference should be made to Qualifications Structure section of Volume 1 Part 1 Qualifications Framework to determine the relevant unit(s) pertaining to the qualification(s) required.

<b>Schedule 7: Maintenance Units AQF 5 UEPMNT501A – UEPMNT504A</b>	
<b>Unit Number</b>	<b>Title Descriptor</b>
<b>UEPMNT501A</b>	<p><b>Diagnose and Repair Faults in Electrical and Electronic Systems</b></p> <p>This unit deals with the skills and knowledge required to diagnose and repair faults in electrical/electronic systems.</p>
<b>UEPMNT502A</b>	<p><b>Test and Commission Electronic Electrical Systems</b></p> <p>This unit deals with the skills and knowledge required to conduct testing and commissioning of electrical/electronic systems. Systems can refer to a combination of electrical/electronic machinery/equipment.</p>
<b>UEPMNT503A</b>	<p><b>Diagnose and Repair Faults in Instrumentation Systems</b></p> <p>This unit deals with the skills and knowledge required to diagnose and repair of instrumentation systems and all ancillary equipment including, but not limited to, PC operating systems, distributive control systems, programmable logic control systems, process control systems.</p>
<b>UEPMNT504A</b>	<p><b>Test and Commission Instrumentation Systems</b></p> <p>This unit deals with the skills and knowledge required to conduct testing and commissioning of instrumentation systems and all ancillary equipment including, but not limited to, PC operating systems, distributive control systems, programmable logic control systems, process control systems.</p>

For full details refer Volume 2 Part 2.1:

## Schedule 7: Maintenance Units AQF 5 UEPMNT501A – UEPMNT504A

## Schedule 8: Imported Competency Standard Units

Below are the Unit Codes, Unit Descriptors and the Unit Scopes for all of the imported Competency Standard Units. To access the most up-to-date versions of the imported units used in the ESI – Generation Sector Training Package, users are encouraged to contact the DEST for latest versions, National Training Information Service (NTIS) or the relevant National Industry Skills Council.

SOURCE TRAINING PACKAGE	UNIT CODE	UNIT TITLE	
BSB01 Business Services	BSBADM304A	Design and develop text documents	
	BSBADM305A	Create and Use Data Bases	
	BSBCMN108A	Develop Keyboard Skills	
	BSBCMN203A	Communicate in the Workplace	
	BSBCMN209A	Provide information to clients	
	BSBCMN213A	Produce Simple Word Processed Documents	
	BSBCMN302A	Organise personal work priorities and development	
	BSBCMN310A	Deliver and Monitor a Service to Customers	
	BSBCMN311A	Maintain Workplace Safety	
BSB Frontline Management (BSB01)	BSBFLM302A	Support leadership in the workplace	
	BSBFLM303B	Contribute to effective workplace relationships	
	BSBFLM304A	Participate in work teams	
	BSBFLM305B	Support operational plan	
	BSBFLM306B	Provide workplace information and resourcing plans	
	BSBFLM309B	Support continuous improvement systems and processes	
	BSBFLM311B	Support a workplace learning environment	
	BSB Frontline Management (BSB01)	BSBCMN402A	Develop Work Priorities
		BSBFLM402A	Show leadership in the workplace
BSBFLM403B		Implement effective workplace relationships	
BSBFLM404A		Lead work teams	
BSBFLM405B		Implement operational plans	
BSBFLM406B		Implement workplace information system	
BSBFLM409A		Implement continuous improvement	
BSBCMN404A		Develop teams and individuals	
BSBCMN410A		Coordinate implementation of customer service strategies	
BSBCMN411A		Monitor a Safe Workplace	
BSBCMN412A	Promote Innovation and Change		

SOURCE TRAINING PACKAGE	UNIT CODE	UNIT TITLE
BSB Frontline Management (BSB01)	BSBFLM501B	Manage personal work priorities and professional development
	BSBFLM502A	Provide leadership in the workplace
	BSBFLM503B	Manage effective workplace relationships
	BSBFLM504A	Facilitate work teams
	BSBFLM505B	Manage operational plan
	BSBFLM506B	Manage workplace information systems
	BSBFLM507B	Manage quality customer service
	BSBFLM509B	Facilitate continuous improvement
	BSBFLM510B	Facilitate and capitalise on change and innovation
	BSBFLM511B	Develop a workplace learning environment
	BSBFLM512A	Ensure team effectiveness
	BSBMGT505A	Ensure a Safe Workplace

For full details refer Volume 2 Part 2.1:

**Schedule 8: Imported Competency Standard Units**