



Australian Government

NWP30215 Certificate III in Water Industry Operations

Release: 1

NWP30215 Certificate III in Water Industry Operations

Modification History

Release	Comments
1	This qualification was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. • New qualification. Streams developed to better reflect occupational outcomes.

Qualification Description

This qualification allows for the attainment of general competencies in water industry operations or specialisation in networks, source, irrigation or treatment.

The general qualification covers the skills required to operate in a broad range of water operations.

The networks specialisation covers the skills required to monitor, operate and maintain network operations.

The source specialisation covers the skills required to monitor, operate and maintain source operations.

The hydrography specialisation covers the skills required to monitor, operate and maintain hydrography operations.

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

Additional qualification advice

Where a defined specialisation is completed as listed below, the resultant testamur can be titled: Certificate III in Water Industry Operations (field of study) e.g. Certificate III in Water Industry Operations (Networks).

Packaging Rules

11 units of competency are required for this qualification:

- 2 core units
- 9 elective units

Specialisation

The candidate may complete either the general qualification or specialise in networks, source or hydrography by selecting elective units as specified in the table below.

	General	Specialisation		
		Networks	Source	Hydrography
Core	2	2	2	2
Group A: Work health safety	Choose 1	Choose 1	Choose 1	Choose 1
Group B: Sampling and testing	Choose at least 5 from groups B, C, D, E, F and/or G, with no more than 2 from any one group		Choose at least 1	Choose at least 1
Group C: Construction		Optional – choose no more than 1		
Group D: Networks		Choose at least 4	Optional – choose no more than 1	
Group E: Source			Choose at least 3	
Group F: Hydrography				Choose at least 4
Flexible choice	Choose the remaining elective units from the list below or from elsewhere within this training package. Alternatively, up to 2 of the elective units may be selected from another endorsed training package, or from an accredited course.			
Total number of units	11	11	11	11

All elective units selected from outside this qualification must reflect the occupational and learning outcomes of this AQF qualification level. Seek further advice on selecting imported units of competency in the NWP Implementation Guide.

Where a prerequisite unit is attached to an elective unit it is identified by this symbol L.

The prerequisite units attached to any of the elective units must be undertaken and are additional to the number of elective units required for the qualification.

Elective units selected must not duplicate content already covered by other units in this qualification.

Core units	
NWPGEN001	Apply the risk management principles of the water industry standards, guidelines and legislation
NWPGEN004	Assess, implement and report environmental procedures
Group A: Work health safety	
BSBWHS301	Maintain workplace safety
BSBWHS302	Apply knowledge of WHS legislation in the workplace
BSBWHS303	Participate in WHS hazard identification, risk assessment and risk control
BSBWHS304	Participate effectively in WHS communication and consultation processes
Group B: Sampling and testing	
NWPGEN007	Sample and test drinking water
NWPGEN008	Sample and test wastewater
NWPGEN009	Perform complex testing
NWPSOU001	Respond to blue-green algae outbreaks
NWPSOU003	Identify and confirm blue-green algae
AHCLPW306A	Undertake sampling and testing of water
Group C: Construction	
CPCCCM2004A	Handle construction materials └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
RIICRC202D	Install signs

CPCCCM2003B	Calculate and cost construction work
PMBWELD301B	Butt weld polyethylene plastic pipelines
PMBWELD302B	Electrofusion weld polyethylene pipelines
PMBWELD305B	Install polyethylene plastic pressure pipelines
PMBWELD308B	Install PVC plastic pressure pipelines
RIICBS310D	Conduct patching operations
RIICCM205D	Carry out manual excavation
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-cast access chambers
RIICRC303D	Lay pavers
RIICRC314D	Handle concrete materials
RIICRC315D	Use concreting materials and equipment
RIICRC323D	Insert tie bars in fresh concrete
RIICWM501D	Implement civil construction plan
RIIHAN211D	Conduct basic scaffolding operations
RIIMPO327D	Conduct pipe layer operations
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWHS202D	Enter and work in confined spaces

RIIWHS204D	Work safely at heights
RIIWMG203D	Drain and dewater civil construction site
Group D: Networks	
NWPNET001	Disinfect networks assets
NWPNET003	Control electrical risk on metallic pipes
NWPNET012	Use locating devices
NWPNET013	Identify and respond to water problems
NWPNET014	Perform odour and infiltration investigations
NWPNET015	Perform leak detection
NWPNET016	Inspect sewer or stormwater line
NWPNET026	Inspect, maintain and repair hydrants
NWPNET027	Monitor and control vacuum sewer system
NWPNET041	Monitor and operate water distribution systems
NWPNET042	Monitor and operate wastewater collection and transfer systems
NWPNET043	Monitor and operate bulkwater transfer systems
NWPNET044	Test and commission water distribution systems
NWPNET045	Test and commission wastewater collection systems
NWPIRR003	Inspect and operate surface water systems
NWPIRR014	Install meters for rural water supplies
NWPIRR022	Maintain meters for rural water supplies
RIISAM203D	Use hand and power tools
RIICCM205D	Carry out manual excavation
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICWM501D	Implement civil construction plan

RIIMPO327D	Conduct pipe layer operations
Group E: Source	
NWPSOU013	Monitor and coordinate catchment operations
NWPSOU022	Monitor and control dam operations
NWPSOU023	Monitor and implement dam maintenance
NWPSOU024	Inspect and report on concrete dam safety
NWPSOU025	Inspect and report on embankment dam safety
NWPSOU027	Route floods through storages
NWPSOU029	Conduct and report dam safety instrumentation monitoring
NWPSOU030	Inspect and report river performance
NWPSOU031	Operate and maintain locks and weirs
NWPSOU032	Operate and maintain fishways
NWPSOU033	Operate and maintain salt interception works
NWPSOU052	Inspect and operate groundwater regulation
NWPNET043	Monitor and operate bulkwater transfer systems
Group F: Hydrography	
NWPHYD011	Measure and process low and medium flows using area velocity methods
NWPHYD012	Establish monitoring sites
NWPGEN012	Support the role and functions of the water industry
FSKNUM21	Apply an expanding range of mathematical calculations for work
MSL904001A	Perform standard calibrations
MSL922001A	Record and present data
Group G: General elective units	
NWPGEN013	Apply principles of chemistry to water systems and processes

NWPIRR051	Provide and promote customer service
NWPTRD011	Investigate and report breaches of water industry legislation
NWPTRT001	Operate and control water treatment processes
NWPTRT061	Operate and control wastewater processes
BSBCMM301	Process customer complaints
BSBCUS301	Deliver and monitor a service to customers
BSBFLM305	Support operational plan
BSBFLM312	Contribute to team effectiveness
BSBINM301	Organise workplace information
BSBWOR301	Organise personal work priorities and development
CPCPPS5024A	Conduct a water audit and identify water-saving initiatives
CPPHSA4003A	Assess household water use
MSS404061A	Facilitate the use of SCADA systems in a team or work area
RIIWHS302D	Implement traffic management plan
TLID2003A	Handle dangerous goods/hazardous substances

Qualification Mapping Information

No equivalent qualification.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>