



Australian Government

NWP40515 Certificate IV in Water Industry Operations

Release 2

NWP40515 Certificate IV in Water Industry Operations

Modification History

Release 2: This is the second release of this qualification in NWP Water Training Package with updated unit codes and details.

Release 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, hydrography, irrigation or trade waste.

The general qualification covers the skills for those who have supervisory responsibility and require a broad range of skills.

The networks specialisation covers the skills required to operate, construct, and maintain water and wastewater networks

The source specialisation covers the skills required to monitor and operate catchment, weirs, locks, dams, rivers, reservoirs, bulk water and groundwater management and implement operational and safety plans.

The hydrography specialisation covers the skills required to measure, collect and analyse hydrometric information and review the accumulated data to develop water management plans for inland water systems including rivers, lakes, stormwater and sewage.

The irrigation specialisation covers the skills required to coordinate and monitor the operation of irrigation systems.

The trade waste specialisation covers the competencies in compliance, licencing and regulations of trade waste management.

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 IV in Water Industry Operations (field of study) e.g. Certificate IV in Water Industry Operations (Networks).

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

11 units of competency are required for this qualification:

No equivalent qualification.

- **2 core units**
- **9 elective units**

Specialisation

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

	General	Specialisation				
		Networks	Source	Hydrography	Irrigation	Trade waste
Core	2	2	2	2	2	2
Group A: Work health safety	Choose 1	Choose 1	Choose 1	Choose 1	Choose 1	Choose 1
Group B: Sampling and testing						Choose 1
Group C: Networks	Choose at least 4 from groups C, D, E, F and/or G, with no more than 2 from any one group	Choose at least 4	Choose no more than 1		Choose no more than 1	
Group D: Source			Choose at least 3		Choose no more than 1	
Group E: Hydrography				Choose at least 4		
Group F: Irrigation					Choose at least 2	
Group G: Trade waste						Choose at least 3
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	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.

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

Core units

- | | |
|-----------|--|
| NWPGEN002 | Ensure compliance with water industry standards, guidelines and legislation |
| NWPGEN005 | Coordinate and monitor the application of environmental plans and procedures |

Group A: Work health safety

- | | |
|-----------|--|
| BSBWHS401 | Implement and monitor WHS policies, procedures and programs to meet legislative requirements |
| BSBWHS412 | Assist with workplace compliance with WHS laws |
| BSBWHS413 | Contribute to implementation and maintenance of WHS consultation and participation processes |
| BSBWHS414 | Contribute to WHS risk management |

Group B: Sampling and testing

- | | |
|-----------|---|
| AHCLPW306 | Undertake sampling and testing of water |
| NWPCAD001 | Respond to blue-green algae outbreaks |
| NWPGEN014 | Sampling and testing trade wastewater |
| NWPGEN022 | Perform laboratory testing |

Group C: Networks

- | | |
|-----------|--|
| BSBCUS401 | Coordinate implementation of customer service strategies |
| BSBWOR404 | Develop work priorities |
| NWPGEN015 | Develop an operation plan |
| NWPHYD014 | Measure and process medium and high flows using a range of methods and equipment |

NWPIRR033	Coordinate and monitor the operation of irrigation delivery systems
NWPIRR035	Coordinate and monitor the operation of drainage systems
NWPNET005	Optimise network systems
NWPNET017	Supervise and report on conduit inspections
NWPNET019	Prepare and restore worksite
NWPNET025	Coordinate and manage maintenance and repair of network assets
NWPNET033	Coordinate and monitor water asset construction

Group D: Source

BSBMGT402	Implement operational plan
BSBSMB407	Manage a small team
NWPCAD014	Inspect and report river performance
NWPSOU014	Develop and implement catchment operations plans
NWPSOU026	Implement dam safety plans
NWPSOU041	Coordinate and monitor bulkwater system operations
NWPSOU053	Coordinate and monitor groundwater system usage

Group E: Hydrography

AHCLPW306	Undertake sampling and testing of water
FSKNUM021	Apply an expanding range of arithmetical calculations for work
MSL924003	Process and interpret data
NWPGEN022	Perform laboratory testing
NWPHYD011	Measure and process low and medium flows using area velocity methods
NWPHYD013	Operate, maintain and decommission monitoring sites

- NWPHYD014 Measure and process medium and high flows using a range of methods and equipment
- NWPHYD015 Undertake surveying of monitoring sites
- NWPSOU053 Coordinate and monitor groundwater system usage

Group F: Irrigation

- NWPCAD014 Inspect and report river performance
- NWPGEN027 Monitor and operate pump stations
- NWPIRR033 Coordinate and monitor the operation of irrigation delivery systems
- NWPIRR034 Coordinate and monitor surface water systems
- NWPIRR035 Coordinate and monitor the operation of drainage systems
- NWPNET033 Coordinate and monitor water asset construction
- NWPSOU041 Coordinate and monitor bulkwater system operations

Group G: Trade waste

- NWPCAD003 Identify and confirm blue-green algae outbreaks
- NWPGEN028 Investigate and report on breaches of water industry legislation
- NWPTRD001 Evaluate, implement and monitor standard low risk trade waste discharge approvals
- NWPTRD012 Investigate, rectify and report on trade waste incidents
- NWPTRD023 Coordinate, implement and report trade waste monitoring procedures
- NWPTRD024 Establish connections of water and wastewater systems

General elective units

- AHCBUS515 Prepare estimates, quotes and tenders
- BSBCUS401 Coordinate implementation of customer service strategies

BSBLDR403	Lead team effectiveness
BSBMGT402	Implement operational plan
BSBSMB407	Manage a small team
BSBWOR404	Develop work priorities
BSBWRT401	Write complex documents
NWPGEN010	Contribute to continuous improvement of quality systems
NWPGEN025	Apply principles of chemistry to water systems and processes
NWPTRT051	Assess and improve treatment for pathogen removal
RIIWHS202D	Enter and work in confined spaces
TAEDEL301	Provide work skill instruction

Qualification Mapping Information

No equivalent qualification.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>