



Australian Government

NWP50715 Diploma of Water Industry Operations

Release 1

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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 hydrography, irrigation or trade waste.

The general qualification covers the competencies for those who require a broad range of skills. It allows experienced staff to reflect advanced practice and develop greater team leadership roles.

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 manage the development, implementation and review of irrigation plans and systems.

The trade waste specialisation covers the skills required to coordinate and manage the development, implementation and review of trade waste programs.

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: Diploma of Water Industry Operations (field of study) e.g. Diploma of Water Industry Operations (Hydrography).

Packaging Rules

9 units of competency are required for this qualification:

- 2 core units
- 7 elective units

Specialisation

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

	General	Specialisation		
		Hydrography	Irrigation	Trade waste
CORE	2	2	2	2
Group A: Work health safety	Choose 1	Choose 1	Choose 1	Choose 1
Group B: Hydrography	Choose at least 2 from groups B, C, D, E and/or F	Choose at least 3		
Group C: Irrigation			Choose at least 3	
Group D: Trade waste				Choose at least 3
Group E: Networks, Source,				
Group F: Treatment				
Flexi rules	Choose the remaining elective units from the list below or from elsewhere within this training package. Alternatively, up to 2 elective units may be selected from another endorsed training package, or from an accredited course.			
TOTAL	9 (separate columns)			

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	
NWPGEN002	Ensure compliance with water industry guidelines, standards and legislation
NWPGEN006	Implement and manage environmental management policies, plans, procedures and programs
Group A: Work health safety	
BSBWHS501	Ensure a safe workplace
BSBWHS502	Manage effective WHS consultation and participation processes
BSBWHS503	Contribute to the systematic management of WHS risk
BSBWHS504	Manage WHS hazards and risks
BSBWHS505	Investigate WHS incidents
Group B: Hydrography	
NWPHYD001	Apply principles of open channel hydraulics
NWPHYD011	Measure and process low and medium flows using area velocity methods
NWPHYD015	Undertake surveying of monitoring sites
NWPHYD016	Process and report hydrometric time series data
NWPHYD017	Develop and maintain ratings
NWPHYD018	Plan water resource management
MSL976003A	Evaluate and select appropriate test methods and/or procedures
Group C: Irrigation	

NWPIRR061	Develop and review groundwater management plan
NWPIRR062	Develop and review irrigation system management plan
NWPIRR063	Develop and review surface water management plan
NWPIRR071	Implement and coordinate irrigation delivery systems
NWPIRR072	Implement and coordinate surface water management plan
NWPIRR073	Implement and coordinate catchment management plan
NWPIRR074	Implement and coordinate groundwater management plan
Group D: Trade waste	
NWPTRD002	Evaluate, implement and monitor high risk trade waste discharge approvals
NWPTRD021	Implement and manage trade waste policies and plans
NWPTRD022	Develop and modify trade waste policies and plans
NWPTRD024	Establish connections of water and wastewater systems
NWPGEN014	Sampling and testing trade wastewater
AHCLPW306A	Undertake sampling and testing of water
Group E: Networks and Source	
NWPNET033	Coordinate and monitor water asset construction
NWPNET034	Conduct commissioning and post-commissioning activities
NWPSOU028	Prepare and report on data related to flood operations
Group F: Treatment	
NWPTRT011	Assess and improve chemical dosing process
NWPTRT085	Assess and improve wastewater processes to control microbial impacts
Group G: General elective units	
BSBFIM501	Manage budgets and financial plans
BSBLED401	Develop teams and individuals

BSBMGT502	Manage people performance
BSBMGT516	Facilitate continuous improvement
BSBMGT517	Manage operational plan
BSBPMG522	Undertake project work
BSBSMB407	Manage a small team
BSBWRT401	Write complex documents
CHCCOM003	Develop workplace communication strategies
CHCORG627B	Provide mentoring support to colleagues
CPPSIS4022A	Store and retrieve spatial data
CPPSIS5032A	Capture new spatial data
CPPSIS5040A	Collate and interpret spatial data
FSKNUM27	Collect, organise and interpret statistical data for work
LGAWORK501A	Prepare preliminary design for operational works
LGAWORK502A	Prepare detailed works project documentation
LGAWORK503A	Undertake project investigation
MEM30001A	Use computer aided drafting systems to produce basic engineering drawings └ MEM16006A Organise and communicate information └ MEM16008A Interact with computing technology
MSL936002A	Conduct an internal audit of the quality system
PMAOMIR512B	Establish incident response preparedness and response systems
PSPPROC506A	Plan to manage contract
TAEASS301B	Contribute to assessment
TAEDEL402A	Plan, organise and facilitate learning in the workplace
TAEDEL404A	Mentor in the workplace

Qualification Mapping Information

No equivalent qualification.

Links

GSA website - <http://www.govskills.com.au>

NWP Implementation Guide -

<http://www.govskills.com.au/guides/water/implementation-guide>

NWP Assessment Guide - <http://www.govskills.com.au/guides/water/assessment-guide>

NWP Foundation Skills Guide -

<http://www.govskills.com.au/guides/water/foundation-skills-guide>

NWP Knowledge Guide - <http://www.govskills.com.au/guides/water/knowledge-guide>