



Australian Government

NWPGEN012 Support the role and functions of the water industry

Release: 1

NWPGEN012 Support the role and functions of the water industry

Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. • New unit • Created drawing upon information from deleted units NWP201B and NWP207A

Application

This unit describes the skills required to work effectively in the water industry by understanding the role of water organisations in the community, services they provide, water systems used, the importance of maintaining water quality, and structure of organisations. The ability to understand the water cycle and the link between the services and systems of the water organisation and supply to, and usage by, the consumer is essential to performance.

This unit applies to those working in the water industry.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work under supervision, while performing specific tasks in a range of familiar contexts.

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

Competency Field

General

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.

1. Identify elements of the water cycle	1.1 Describe the natural water cycle. 1.2 Outline human intervention on natural water cycle and its environmental impact.
2. Determine functions of water systems	2.1 Identify streams within water industry. 2.2 Determine functions of each stream. 2.3 Identify how each stream relates to the water cycle. 2.4 Consider sustainable practices. 2.5 Consider ways to increase sources of water supply. 2.6 Identify and describe methods and procedures to maintain water quality.
3. Recognise stakeholders and customers	3.1 Identify customers and services provided to them. 3.2 Identify stakeholders and respective roles. 3.3 Explore and describe the structure of the water industry at local, state, territory and national level.
4. Identify legislative framework	4.1 Identify bodies responsible for establishing and managing standards for water quality. 4.2 Identify relevant guidelines. 4.3 Determine legislative, regulatory and licensing requirements governing the industry and understand their impact. 4.4 Recognise the principles of compliance.
5. Translate into own role in organisational and work context	5.1 Review and describe organisation management structure and role relationships. 5.2 Review and apply organisation key policies and procedures. 5.3 Review and apply standard reporting procedures and identify impact on own work. 5.4 Describe how own role contributes to quality outcomes.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning NA					Reading					Writing NA					Oral communication					Numeracy NA				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Range of Conditions

Streams within the water industry include:	• hydrography • treatment • source • networks • trade waste • irrigation
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Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

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

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Assessment Requirements for NWPGEN012 Support the role and functions of the water industry

Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages.

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. The candidate must be assessed within the context of at least one of the water industry streams listed in the Range of Conditions. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- identifying system and infrastructure
- assessing water sustainability strategies, with reference to the structure of the water industry and water industry services
- identifying characteristics of water quality
- identifying agencies involved in water management
- interpreting the water cycle, sustainable water usage and the testing of water quality
- identifying and exploring the meaning of the water cycle and implications for customers
- identifying and exploring systems and customer services offered by water industry organisations
- identifying the factors which influence customer expectations and satisfaction
- identifying and exploring factors that can contribute to sustainable water practices within communities and households
- identifying and exploring strategies that can be employed to increase access to water resources
- exploring and communicating factors affecting water quality
- explaining the roles of particular stakeholders
- identifying environmental impacts, potential hazards and types of incidents
- describing natural impacts on the water cycles including droughts, floods

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

Basic knowledge of:

- relevant policies and procedures
- risk management principles
- ADWG, recycled water guidelines
- environmental impact assessment
- agencies involved in water quality management
- water quality performance indicators
- overview of the water supply system
- water hazardous agents and preventative strategies
- community and agency roles and responsibilities in monitoring water quality
- legal, social, community and environmental requirements
- terminology applicable to water industry

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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