



Australian Government

Assessment Requirements for NWPNET028 Monitor and operate network systems

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes:

- collecting data
- collecting samples
- conducting risk assessment and identifying hazards
- following plans, charts and instructions
- identifying and responding to operational problems
- identifying conditions of system
- identifying system faults
- implementing remedial action to maintain supply
- installing and operating a stand pipe or fire plug
- monitoring and adjusting pressure
- monitoring and diverting flow
- monitoring system performance and usage
- operating reticulation and distribution systems
- performing work-related calculations
- preparing worksite
- producing reports
- recording water losses
- using tools and machinery

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of:

- conditions for connection to live water mains
- control systems
- effects of weather conditions on systems, site or plant
- electrical safety for disconnecting and changing meters and fittings
- environmental aspects of operation

- equipment operation, capacity and limitations including water hammer
- impact of the principles of hydraulics on the operation of flows
- isolation procedures
- relevant legislation, regulations and workplace procedures
- risk factors and potential hazards of operating water distribution systems
- standard operating procedures and manufacturer instructions
- system layout and performance
- water hammer
- water pumping stations and reservoirs
- water quality

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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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