



Australian Government

Assessment Requirements for NWPNET058

Optimise 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:

- analysing problems and recommending appropriate solutions
- assessing distribution system performance and impacts on water quality
- conducting hazard assessment and proposing prevention strategies
- identifying opportunities for improved distribution system management
- identifying risks and hazards
- investigating system faults and deficiencies and assessing the status of system components
- optimising system performance and maintenance planning
- participating in the provision of appropriate information to inform workplace processes
- producing and monitoring a drinking water distribution system optimisation plan
- producing optimisation reports

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 include knowledge of:

- equipment operation, capacity and limitations of control system
- incident management processes according to workplace procedures
- relevant legislation, industry standards, policies and procedures including:
 - customer expectations and requirements
- risk factors and potential hazards involved in water systems
- system hydraulics
- system layout, processes and operations
- workplace documentation including requirements for a system optimisation plan

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>