



Australian Government

Assessment Requirements for NWPNET005 Optimise network systems

Release: 1

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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. • Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

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

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.

- relevant legislation, standards, policies and procedures
- customer expectations and requirements
- system hydraulics
- incident management processes
- system layout, processes and operations
- risk factors and potential hazards involved in water systems

- equipment operation, capacity and limitations of control system
- forces including gravitational, valve operation, hydraulic and pumps

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.

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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