



Australian Government

Assessment Requirements for NWPNET041 Monitor and operate water distribution 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 Assessment Requirements created drawing upon specified assessment information from superseded unit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.

- responding to and correcting operational problems
- interpreting plans, charts, service search diagrams, instructions, policies and specifications
- controlling system operations
- identifying control system faults
- monitoring and coordinating the operation of bulkwater or water distribution systems
- interpreting a range of technical documentation
- identifying and investigating operational problems
- collecting and analysing technical information
- conducting routine inspections
- analysing and reporting system performance data
- meeting organisation standards for optimising water distribution performance

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.

- system hydraulics
- coordination and control of processes
- system layout and processes
- environmental aspects of bulkwater and water distribution systems
- chemical use

- policies, standard operating procedures and legislation
- relevant utilities and service bodies
- communication systems
- risk management principles
- risk factors and potential hazards involved with water pressures and flows
- equipment operation, capacity and limitations
- effects of weather and conditions on operation of bulkwater and water distribution systems
- types of pipes and fittings
- pumping and valving systems
- control systems
- 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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