



Australian Government

**Assessment Requirements for NWPNET053
Test and commission water distribution
systems**

Release: 1

Assessment Requirements for NWPNET053 Test and commission water distribution systems

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:

- cleaning a water distribution system using at least one of the following techniques:
 - air scouring
 - flushing
 - pigging
 - swabbing
- commissioning the distribution system
- completing required reports and records
- conducting test procedures
- identifying and addressing hazards
- identifying and analysing system requirements
- identifying system faults
- maintaining the quality of water in the system
- monitoring work processes and ensuring safe work practices
- planning the testing of water distribution systems
- restoring worksite and equipment
- testing and commissioning water distribution systems
- testing pipes

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:

- characteristics of pipes, materials and fittings
- environmental aspects of flushing and test procedures
- relevant legislation, regulations and workplace procedures
- risk factors and potential hazards of test procedures
- testing equipment operation
- testing methods used for water distribution systems

- water hygiene and system disinfection requirements.

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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