



Australian Government

Assessment Requirements for NWPCAD015 Operate and maintain locks and weirs

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:

- calculating inflows and discharge rates
- identifying and investigating operational problems
- installing stop logs or bulk heads
- operating lock levels
- operating the lock gates
- operating winches
- performing at least one of the following types of maintenance:
 - greasing bearings
 - oiling hydraulics
 - painting metal work
 - removing debris
 - repairing concrete
- regulating flows through the weir

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:

- legislation relating to vessels within locks
- maintenance requirements of the following:
 - greasing bearings
 - oiling hydraulics
 - painting metal work
 - removing debris
 - repairing concrete
- materials characteristics including:
 - concrete

- hydraulic systems
- steel
- methods for collecting and reporting on data
- navigational rules
- relevant legislation, regulations and workplace procedures
- river flow considerations

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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