



Australian Government

Assessment Requirements for NWPHYD007 Measure discharge using wading method

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 and verifying data using workplace procedures, software and databases
- assessing risks and taking appropriate precautions and/or actions
- collecting, entering and archiving data
- collecting field measurements
- communicating with employees and customers
- gathering, interpreting and applying documentation related to the specifics of hydrological data collection and reporting procedures
- identifying potential or actual operational problems
- identifying, reporting and solving potential or actual problems within scope of job function
- interpreting and applying technical documentation
- maintaining testing equipment in good order and verifying calibration
- performing calculations including mean velocity in a vertical
- preparing documentation
- using positioning or distance measurement equipment
- using safety equipment and personal protective equipment

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:

- area velocity methods including:
 - acoustic Doppler current profiler
 - Doppler velocity meter
 - electromagnetic current meter
 - mechanical current meter
- appropriateness of measurement methods
- measurement equipment and quality assurance methods
- measurement section issues and solutions

- relevant legislation, industry standards, workplace policies and procedures including:
 - Bureau of Meteorology
 - International and Australian Standards
 - WHS
 - World Meteorological Organisation
- relevant technology
- relevant workplace procedures
- suitable measurement sections, attributes and issues
- turbulent and laminar flow
- workplace documentation for data and reports

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>