



Australian Government

Assessment Requirements for NWPHYD009 Undertake surveying of monitoring sites

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 standard procedures, software and databases
- applying appropriate datum and projections
- applying sightings and standard error checks
- capturing, storing and archiving data
- carrying out collimation test to survey equipment accuracy
- ensuring cross sections and survey reference marks are suitable to a range of flow conditions
- identifying survey reference marks
- gathering and interpreting documentation
- locating features on maps and plans, finding survey reference marks and plotting locations
- maintaining surveying equipment
- measuring horizontal distance by stadia
- preparing and holding survey staff
- preparing and loading surveying equipment for transportation
- preparing clear and accurate reports
- preparing, setting up and operating surveying 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 include knowledge of:

- agency remote area work health and safety procedures
- computer software relevant to the analysis and archiving of hydrometric data
- global positioning systems
- mathematical and other scientific techniques relevant to the analysis of hydrometric data
- relevant legislation and industry standards including:
 - Bureau of Meteorology
 - international and national standards
 - work health and safety

- World Meteorological Organisation
- relevant workplace policies and procedures
- workplace data recording and reporting 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>