



Australian Government

**Assessment Requirements for
NWPHYD015 Undertake surveying of
monitoring sites**

Release: 1

Assessment Requirements for NWPHYD015 Undertake surveying of monitoring sites

Modification History

Release	Comments
1	<p>These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages.</p> <ul style="list-style-type: none"> Assessment Requirements created drawing upon specified assessment information from superseded unit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 two occasions.

- locating features on maps and plans, finding survey reference marks and plotting locations
- preparing, setting up and operating surveying equipment
- preparing and loading surveying equipment for transportation
- maintaining surveying equipment
- preparing and holding staves
- measuring horizontal distance by stadia
- identifying physically survey reference mark
- applying sightings and standard error checks
- gathering and interpreting complex documentation
- applying documentation to the development and maintenance of rating curves
- analysing and verifying data using standard procedures, softwares and databases
- preparing clear and accurate reports
- capturing, storing and archiving data
- identifying, reporting and providing solutions to a range of flow conditions
- using a GPS
- applying appropriate datum and projections
- carrying out collimation test to check accuracy

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.

- mathematical and other scientific techniques relevant to the analysis of hydrographic data
- interaction of physico-chemical parameters of the process being monitored and the impact on data being recorded
- sensor and/or system characteristics and signal processing and/or algorithms, specifically with chemical sensors
- computer software relevant to the analysis and archiving of hydrographic data
- water sampling and testing procedures
- procedures for use of remote contact communication systems

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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