



Australian Government

Assessment Requirements for NWPHYD018 Plan water resource management

Release: 1

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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 Assessment Requirements created drawing upon specified assessment information from superseded unit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 one occasion.

- gathering, interpreting, collecting and analysing hydrographic network and water resource management information and complex documentation sourced locally, nationally and internationally
- applying complex mathematical modelling and analytical tools
- undertaking evidence-based short-, medium- and long-range planning
- communicating with employees, senior management and external industry experts
- using data management and storage systems
- gathering, interpreting, preparing and applying complex documentation relating to the hydrographic planning and water resource management processes of the organisation
- reviewing and refining current practices used in the collection, analysis, storage and reporting of hydrographic data
- planning and setting priorities for the management of hydrographic data collection, storage and reporting
- contributing to the development of short-, medium- and long-term water resource management planning within the organisation
- operating communication systems

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.

- physical and chemical interactions of resources under varying catchment and climatic conditions and impact on data interpretation and analysis
- natural and constructed catchment processes that may affect hydrographic network data outputs, quality and eventual interpretation via modelling outputs and resource management and planning decisions
- relevant Australian Standards, international guidelines and best practice systems applicable to the nature and purpose of the monitoring network
- high-level hydrographic and water resource management technical and planning information
- mathematical techniques relevant to the complex analysis and planning of hydrographic data
- sampling and testing procedures
- WHS procedures

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

GSA website - <http://www.govskills.com.au>

NWP Implementation Guide -

<http://www.govskills.com.au/guides/water/implementation-guide>

NWP Assessment Guide - <http://www.govskills.com.au/guides/water/assessment-guide>

NWP Knowledge Guide - <http://www.govskills.com.au/guides/water/knowledge-guide>