



Australian Government

**Assessment Requirements for
NWPHYD004 Plan water resource
management**

Release: 2

Assessment Requirements for NWP HYD004 Plan water resource management

Modification History

Release 2: Minor document layout changes, no content changes.

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:

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

Knowledge Evidence

- high-level hydrographic and water resource management technical and planning information
- mathematical techniques relevant to the complex analysis and planning of hydrographic data
- 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
- physical and chemical interactions of resources under varying catchment and climatic conditions and impact on data interpretation and analysis
- relevant industry standards, international guidelines and best practice systems applicable to the nature and purpose of the monitoring network
- sampling and testing procedures
- Work Health and Safety (WHS) procedures

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 suitable workplace operational situations. Where this is not appropriate, assessment must occur in suitable simulated workplace operational situations reflecting actual 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, facilities, equipment and personal protective equipment currently used in industry
- applicable relevant documentation including workplace procedures, industry standards, equipment specifications, regulations, codes of practice 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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