



Australian Government

**Assessment Requirements for
NWPHYD008 Operate, maintain and
decommission monitoring sites**

Release: 1

Assessment Requirements for NWP HYD008 Operate, maintain and decommission monitoring sites

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 risks in a range of locations and conditions and working safely in routine and extreme conditions
- applying mechanical, electrical and electronic skills to the operation and maintenance of instruments and equipment according to agency operational procedures
- conducting inspections of monitoring sites
- conducting tests of a range of hydrometric instruments and equipment and adjusting to maintain accuracy
- drafting decommissioning report with authorisation
- identifying, reporting and solving potential and current problems, and taking immediate action to address high risk conditions
- implementing decommissioning procedures for data management, site database, telemetry and internet
- interpreting and applying technical documentation to the operation and maintenance of instruments and equipment
- interpreting and applying technical information and applications related to the operation and maintenance of a range of hydrometric instruments and equipment
- maintaining a range of hydrometric instruments and equipment in a range of sites and conditions and under conditions of extreme weather and high risk
- producing reports
- reading and interpreting plans, specifications, maps and job instructions
- recording and analysing data
- storing and protecting instruments and equipment in the field and during transportation
- using required work practices to minimise environmental impact of the operation and maintenance of site
- using systems and system analysis equipment and tools to conduct in situ calibration of monitoring equipment and systems
- using tools, safety 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 include knowledge of:

- effects of weather and extreme conditions on operating of hydrometric instruments and equipment
- electrical and electronic systems
- instrument and system analysis software and packages
- mathematical and scientific principles
- operating parameters, processes and capacity limitations of hydrometric instruments and equipment
- relevant legislation, industry standards, manufacturer specifications and requirements
- relevant workplace policies and procedures
- risk factors and potential hazards involved with installing and monitoring instruments and equipment
- workplace 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>