



Australian Government

Assessment Requirements for NWPCAD013 Conduct and report dam safety instrumentation monitoring

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:

- collecting and processing data
- following instructions, operating procedures, policies and standards for dam safety monitoring and instrumentation
- identifying faults, changes and failure indicators
- inspecting and operating monitoring equipment and instruments
- interpreting a range of workplace documents
- preparing monitoring activity
- producing dam instrumentation monitoring reports
- reading and interpreting plans, drawings and charts
- recording and reporting monitoring and safety information
- reporting deviations and faults in equipment and data
- reporting on dam safety monitoring outcomes
- setting up relevant instrumentation
- using mathematical calculations to collect and process data on dam safety

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 includes knowledge of:

- dam safety performance indicators
- faulty equipment or instruments
- instructions for the operation of monitoring equipment
- principles of dam design and construction
- purpose of monitoring and instrumentation used and linkage to dam safety
- relationship between the impact of unusual events on dam safety and monitoring post event
- relationship of monitoring and causes of dam failures and incidents
- relevant legislation, regulations and workplace procedures
- requirements for installation of instruments and instrument failure
- statutory requirements and workplace procedures related to monitoring and reporting dam

safety

- types of instrumentation and their application
- WHS procedures related to dam monitoring

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>

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