



Australian Government

Assessment Requirements for NWPSOU029 Conduct and report dam safety instrumentation monitoring

Release: 1

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Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages. • Assessment Requirements created drawing upon specified assessment information from superseded unit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.

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

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 and/or the AQF level of the qualification being undertaken.

- principles of dam design and construction

- causes of dam failures and incidents
- impact of unusual events on dam safety
- types of instrumentation and their application
- requirements for installation of instruments and instrument failure
- purpose of monitoring and instrumentation used
- instructions for the operation of monitoring equipment
- dam safety performance indicators
- WHS procedures related to dam monitoring and working in confined spaces
- dam faults and changes indicated by monitoring and instrumentation
- organisational and statutory requirements related to monitoring and reporting dam safety

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.education.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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