



Australian Government

Assessment Requirements for NWPSOU023 Monitor and implement dam maintenance

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 Assessment Requirements created drawing upon specified assessment information from superseded unit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. The candidate must be assessed in at least one type of dam listed in the Range of Conditions. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- identifying and correcting maintenance problems
- identifying security and access maintenance issues
- conducting inspections
- coordinating maintenance activities
- interpreting plans, drawings, instructions, standard operating procedures, policies and standards
- using safety, rescue and personal protective equipment
- using relevant tools and machinery
- identifying safety hazards
- carrying out maintenance of specified assets
- proposing and justifying maintenance activities
- analysing and processing data
- inspecting and operating relevant equipment and instruments
- monitoring and implementing dam maintenance
- interpreting technical documentation
- collecting and evaluating technical information
- preparing required reports

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.

- dam design principles
- risks to dams
- historic dam information
- potential earthquake effects
- properties of stored water
- dam maintenance principles and practices
- basic materials science
- basic principles of hydraulics
- system layout
- environmental aspects of maintenance
- lock out procedures for mechanical and electrical installations
- control systems
- equipment operation
- relevant utilities and service bodies
- hazardous materials handling
- effects of weather and conditions on bulkwater assets
- basic principles of soil mechanics
- basic concrete structure, strengths and deterioration
- basic dam construction procedures
- dam failure mechanisms
- risk management techniques
- WHS
- risk factors and potential hazards of maintenance of dam assets
- maintenance standard operating procedures
- organisational and statutory requirements

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

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