



**Australian Government**

# **Assessment Requirements for NWPSOU022 Monitor and control dam operations**

**Release: 1**

# Assessment Requirements for NWPSOU022 Monitor and control dam operations

## 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"><li>• Assessment Requirements created drawing upon specified assessment information from superseded unit</li></ul>

## 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.

- identifying and investigating operational, access or security problems
- conducting inspections
- implementing operational activities
- interpreting plans, drawings, instructions, standard operating procedures, policies and standards
- using equipment, tools, machinery and personal protective equipment
- identifying safety hazards
- preparing for and implementing dam operation plans
- operating dams
- interpreting technical documentation
- collecting and analysing 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.

- properties of stored water
- basic dam design principles
- risks to dams
- lessons from dam incidents

- dam safety emergency operations
- dam security issues
- dam access issues
- dam operation principles
- basic materials science
- communication systems
- basic principles of hydraulics
- system layout
- environmental aspects of operation and 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
- risk management techniques
- WHS
- 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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