



**Australian Government**

# **Assessment Requirements for NWPIRR033**

## **Coordinate and monitor the operation of irrigation delivery systems**

**Release: 1**

# Assessment Requirements for NWPIRR033 Coordinate and monitor the operation of irrigation delivery systems

## 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• Assessment Requirements created drawing upon specified assessment information from superseded unit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.

- assessing environmental impact
- operating irrigation and/or domestic stock supply system
- checking channel flow
- identifying customer requirements for irrigated culture and environmental factors that impact on the irrigation system
- consulting historic system information and stakeholders as appropriate
- confirming performance requirements for an irrigation system management plan
- implementing monitoring and testing programs and investigating and reporting deviations from planned parameters
- evaluating performance of water deliveries and investigating and reporting deviations from agreed service levels
- evaluating performance targets
- analysing and reporting data
- identifying and reporting problems
- making recommendations for system performance or customer service improvements

## 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.

- relevant legislation, policies and procedures

- customer expectations and requirements
- impact of the principles of hydraulics on the operation of flows
- coordination processes
- principles of scheduling
- system layout and operations
- environmental aspects of irrigation and/or stock and domestic supply system asset infrastructure
- environment, landscape and ground structure of work area
- risk factors and potential hazards of irrigation and/or domestic and stock supply systems
- equipment operation, capacity and limitations
- water flow calculations
- gravity systems
- control systems

## 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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