



Australian Government

NWPIWS014 Coordinate and monitor the operation of irrigation delivery systems

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.

Application

This unit involves the skills and knowledge required to coordinate and monitor the operation of irrigation delivery systems.

It includes meeting operational and environmental performance standards including system maintenance and customer liaison.

This unit applies to those working as field or operational staff with a specific responsibility for ensuring the operation of irrigation systems complies with organisational and statutory requirements. Those undertaking this unit would work autonomously, usually with supervisory responsibilities, while performing complex tasks in a range of contexts.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Irrigation Water Supply

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Confirm performance measures in irrigation

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Communicate with customers to identify irrigation

system's management plan	requirements
	1.2 Identify environmental factors impacted by the irrigation system
	1.3 Interpret historic system information and consult stakeholders
	1.4 Confirm performance requirements for an irrigation system management plan
2 Monitor and coordinate processes and resource targets	2.1 Monitor and test programs and identify, investigate and report any deviations from water quantity, quality, release or flow
	2.2 Evaluate the duration, volume and flow rates of water deliveries and identify, investigate and report deviations from agreed service levels
	2.3 Identify and plan maintenance requirements according to irrigation plan
	2.4 Identify and implement operational resources for the irrigation management plan
	2.5 Develop and implement an operational risk management plan
	2.6 Review the scheduling and flow calculations
3 Report outcomes of coordination and monitoring	3.1 Monitor and report the performance of the irrigation system
	3.2 Make recommendations for improvements in system performance and/or customer service

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit supersedes and is equivalent to NWPIRR033 Coordinate and monitor the operation of irrigation delivery systems.

Links

Companion Volume implementation guides are found in VETNet -

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