



Australian Government

NWPIRR008 Implement and coordinate an irrigation delivery system plan

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 implement and coordinate an irrigation delivery system plan.

It includes coordinating and monitoring the performance of irrigation delivery systems, analysing the operation of system components, stakeholder liaison and planning. It also includes applying and adhering to relevant legislation, industry regulations and workplace procedures.

This unit applies to leaders with responsibility for implementing and coordinating irrigation delivery systems. Those undertaking this unit would work autonomously and lead personnel whilst performing sophisticated tasks in a range of contexts.

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

Pre-requisite Unit

Not applicable.

Competency Field

Irrigation

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Develop and implement irrigation delivery system

PERFORMANCE CRITERIA

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

1.1 Confirm performance measures for the irrigation

plan	delivery system plan
	1.2 Identify and interpret legislative requirements and organisational policies for the management of irrigation delivery
	1.3 Identify stakeholder requirements and environmental factors impacting irrigation delivery
	1.4 Gather historical catchment information and evaluate as input to the planning process
	1.5 Develop an implementation strategy for irrigation delivery according to workplace procedures
	1.6 Inform relevant personnel and stakeholders of the irrigation delivery system plan according to regulatory requirements and workplace procedures
	1.7 Develop plan components and activities for implementation
	1.8 Determine responsibilities and timelines for implementation activities
2 Monitor and evaluate irrigation system operation and maintenance	2.1 Design and implement monitoring and testing programs to identify deviations of planned water system operations including quantity, quality, release and flow rates
	2.2 Evaluate delivery of water to customers and identify, investigate and report deviations from agreed service standards
	2.3 Evaluate maintenance budgets, activity programs and output target measures
	2.4 Identify, investigate and report deviations from irrigation delivery targets from plan objectives
	2.5 Identify and document links between operational problems and maintenance activities
	2.6 Provide advice and guidance to irrigation customers and stakeholders
3 Report on the implementation of the irrigation system plan	3.1 Identify, investigate and report deviations of planned water usage and quality against the irrigation delivery system plan

- 3.2 Review objectives of the irrigation delivery system and implementation plans
- 3.3 Make recommendations for changes to plan objectives and operational and maintenance procedures

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.

Unit Mapping Information

This unit replaces and is equivalent to NWPIRR071 Implement and coordinate 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>