



Australian Government

NWPIRR006 Develop and review an irrigation 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 develop and review an irrigation system plan.

It includes analysing total irrigation system performance, liaising with customers and stakeholders and reviewing and refining the irrigation system plan. It also includes applying and adhering to relevant legislation, industry regulations and workplace procedures.

This unit applies to leaders with responsibility for the development and review of plans for the management of irrigation 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 Prepare for irrigation system management

PERFORMANCE CRITERIA

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

1.1 Determine, interpret and analyse water quantity and quality requirements including release and flow rates

- 1.2 Access, interpret and synthesise historical irrigation system capacity and delivery performance information
 - 1.3 Identify and interpret legislative, organisational and environmental requirements and determine system constraints impacting the delivery of irrigation water
- 2 Develop an irrigation system plan**
 - 2.1 Identify and interpret irrigation system management requirements
 - 2.2 Identify and validate customer requirements for irrigated culture
 - 2.3 Consult and communicate with stakeholders and obtain input for the irrigation system plan
 - 2.4 Develop and document an irrigation system plan and an implementation strategy
 - 2.5 Identify, investigate and report breaches of customer entitlements and other usage provisions
- 3 Review and refine the irrigation system plan**
 - 3.1 Evaluate operations and maintenance activities and system performance and incorporate into the irrigation system plan review
 - 3.2 Review objectives of the irrigation system plan and implementation strategy
 - 3.3 Recommend changes to plan objectives and operational and maintenance procedures
 - 3.4 Provide advice and guidance to stakeholders

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 NWPIRR062 Develop and review irrigation system management plan.

Links

Companion Volume Implementation Guides are found in VETNet -

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