



Australian Government

NWPNET055 Coordinate and manage maintenance and repair of network assets

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 manage maintenance and repair of network assets.

It includes inspecting asset condition, planning for asset repairs and monitoring and reporting on maintenance and repair work completion. It also includes identifying faults, gathering data, interpreting technical information, assessing risks and producing technical work plans and reports.

This unit applies to those working as field staff with responsibility for ensuring that water collection, distribution, storage and transfer assets are regularly monitored and for conducting scheduled maintenance and repair work on assets. 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

Networks

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Analyse asset condition and determine remedial action

- 1.1** Schedule routine inspections of assets and monitor fault reporting according to workplace procedures
- 1.2** Collect and analyse data on asset and infrastructure condition
- 1.3** Determine and cost asset maintenance and repair methods
- 1.4** Select, fit and use equipment and materials including personal protective equipment

2 Plan and prepare for asset repair

- 2.1** Schedule and plan worksite investigations and repair activities
- 2.2** Develop repair plans and procedures and communicate to relevant stakeholders
- 2.3** Assess and record environmental and work, health and safety (WHS) risks and specify control measures
- 2.4** Select equipment, materials, prefabricated components and fittings and make available for use on worksite

3 Monitor and report maintenance activities

- 3.1** Monitor repair and maintenance progress and keep records
- 3.2** Inspect, confirm and report completion of repair and maintenance to relevant personnel according to workplace procedures

4 Complete records and reports

- 4.1** Complete workplace records and reports according to workplace procedures
- 4.2** Make recommendations which contribute to the continuous improvement and quality of the organisation's systems

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 replaces and is equivalent to NWPNET025 Coordinate and manage maintenance and repair of network assets.

Links

Companion Volume implementation guides are found in VETNet -

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