



Australian Government

NWPIWS006 Maintain meters for rural water supplies

Release: 1

NWPIWS006 Maintain meters for rural water supplies

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 maintain meters for rural water supplies. It includes maintaining operational integrity of already installed meters, metering systems and components. It also includes corrective, predictive and preventative maintenance.

This unit applies to those working in the water industry as field or operational staff, maintaining meters for rural water supply. Those undertaking this unit would work under appropriate supervision, while performing routine tasks in familiar context.

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 meter type and location

PERFORMANCE CRITERIA

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

- 1.1** Obtain organisational maintenance plan and manufacturer guidelines
- 1.2** Locate meter facility according to workplace procedures

	1.3	Confirm meter type and number match to maintenance plan
2 Check condition of meters and metering system	2.1	Conduct a risk assessment of a meter site according to workplace procedures
	2.2	Check metering components and identify faults according to workplace procedures
	2.3	Establish maintenance requirements according to workplace procedures
3 Maintain meter and meter facilities	3.1	Repair or replace faulty components according to workplace procedures
	3.2	Identify faults which need to be rectified by a third party to relevant personnel
4 Test and recommission	4.1	Ensure meter complies with standards
	4.2	Perform on-site re-test of meter according to workplace procedures
	4.3	Record faults and meter performance, maintenance and repairs

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 NWPIRR022 Maintain meters for rural water supplies.

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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Assessment Requirements for NWPIWS006 Maintain meters for rural water supplies

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes:

- applying seals
- checking and reporting meter condition
- confirming location of worksite and meter
- identifying manufacturer instructions, plans, exploded drawings and parts catalogues
- identifying verification marks
- reading and analysing meter display
- replacing components
- reporting maintenance requirements
- working with low voltage wiring

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of:

- checking pattern approval requirements
- location methods including:
 - GPS
 - maps
- manufacturer maintenance procedures for specific meter types
- meter types and accuracy limits
- relevant legislation, regulations and workplace procedures
- relevant workplace policies and procedures for water meter maintenance
- standards for non-urban metering
- work, health and safety (WHS) risk assessments

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training

Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

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