



Australian Government

NWPGEN023 Use maps, plans, drawings and details

Release: 1

NWPGEN023 Use maps, plans, drawings and details

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 use maps, plans, drawings and details.

It includes reading and interpreting maps, plans, drawings and specifications and recording and advising on changes and errors.

This unit applies to those using maps, plans and drawings in industry. Those undertaking this unit would work under appropriate supervision, while performing routine 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

General

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Interpret maps, plans, drawings and specifications

PERFORMANCE CRITERIA

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

1.1 Identify and locate maps, plans, drawings and specifications required to complete work tasks

1.2 Interpret commonly used symbols and abbreviations

		according to the drawing standards
	1.3	Interpret, apply and verify the latest version and functions of the legend
	1.4	Identify natural and constructed features on maps, plans and drawings
	1.5	Identify specifications to maps, plans and drawings
2	Use maps, plans and drawings	
	2.1	Implement technical data according to workplace procedures
	2.2	Use scales to calculate distances using maps and plans
	2.3	Confirm orientation, boundaries and identified features of the worksite
	2.4	Identify any errors in the maps, plans, drawings and specifications and report to relevant personnel
3	Record and advise on changes and errors	
	3.1	Amend a map or plan according to workplace procedures
	3.2	Take measurements and record features on a map or drawing
	3.3	Record and report amendments to relevant personnel

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 NWPGEN011 Use maps, plans, drawings and specifications.

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 NWPGEN023 Use maps, plans, drawings and details

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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:

- adjusting a map or plan representing an actual or simulated work environment including the following:
 - constructed features
 - natural features
 - symbols
- identifying errors in maps, plans, drawings and specifications locating maps, plans, drawings and specifications for work tasks
- locating worksites and boundaries
- using information provided in maps, plans and drawings to complete a task

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:

- features of maps, plans and drawings including:
 - contours
 - datum points
 - dimensions
 - gradients
 - constructed
 - natural
 - planes
 - sections
 - symbols
 - terminology
- formulas of volumes, area and mass
- range of maps, plans and drawings to different assignment situations
- relevant legislation, regulations and workplace procedures

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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