



Australian Government

NWPGEN011 Use maps, plans, drawings and specifications

Release: 1

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Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages. • New unit • Created drawing upon information from deleted units NWP209B and NWP105B

Application

This unit describes the skills required to read and interpret maps, plans, drawings and specifications and prepare a simple map or plan.

This unit applies to those working in the water industry, but could be used by other sectors.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work under supervision, while performing routine tasks in a range of contexts.

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

Competency Field

General

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Interpret maps, plans, drawings and specifications	1.1 Identify types of maps, plans, drawings and specifications required to undertake work tasks. 1.2 Identify parts of the water system and their inter-relationship on a range of drawing types.

	1.3 Interpret commonly used symbols and abbreviations. 1.4 Interpret and apply the function of the legend. 1.5 Verify latest version. 1.6 Identify natural and man-made features on maps, plans and drawings. 1.7 Relate specifications to maps, plans and drawings and identify quality standards. 1.8 Identify types of details from works specifications.
2. Use maps, plans drawings and specifications	2.1 Use organisation system to access maps plans, drawings and specifications. 2.2 Translate technical data and apply quality standards into work site environment. 2.3 Calculate distances using maps and plans with a range of scales. 2.4 Confirm orientation, boundaries and identified features of the site. 2.5 Identify any errors in the maps, plans, drawings and specifications.
3. Record and advise on changes and errors	3.1 Draw or amend a map or plan. 3.2 Take actual measurements and record features on a map or drawing. 3.3 Record and report amendments.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

No equivalent unit.

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 NWPGEN011 Use maps, plans, drawings and specifications

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Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- locating maps, plans, drawings and specifications for work tasks
- locating work sites
- using information provided in maps, plans and drawings to complete a task
- preparing a simple map or plan that represents an actual or simulated work environment
- applying problem solving strategies

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

Basic knowledge of:

- the range of maps, plans and drawings to different assignment situations
- basic formulae of volumes, area and mass
- features of maps, plans and drawings including:
 - contours
 - datum points
 - planes
 - gradients
 - sections
 - orthographic projections
 - symbols
 - dimensions
 - terminology

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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