



Australian Government

NWPNET012 Use locating devices

Release: 1

NWPNET012 Use locating devices

Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to NWP330B Establish positions of underground utilities using locating devices. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • Unit title changed to better reflect unit outcomes • PC 2.6 reworded

Application

This unit describes skills required to determine and mark the location and identity of gas, water, electrical, telecommunications and other underground utility services using a range of specialised instruments and asset plans.

This unit applies to those working as field staff with a specific responsibility for identifying the presence and exact position of utility services prior to commencing work tasks involving excavation.

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, particularly those related to WHS and manufacturer specifications.

Those undertaking this unit would work under indirect supervision, while performing routine tasks, in a familiar context, ensuring minimum damage to the environment.

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

Competency Field

Networks

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. Plan and prepare for locating services	1.1 Determine work site boundaries and task requirements from plans, specifications and instructions. 1.2 Use available information sources for the location of underground services and consider the presence of undocumented services. 1.3 Select and check appropriate pipe and cable locating equipment. 1.4 Assess hazards associated with underground services and plan preventive measures.
2. Operate pipe and cable locating equipment	2.1 Mark work site boundaries and set up work site. 2.2 Operate pipe and cable locating equipment. 2.3 Interpret false signals or interference with pipe and cable locating equipment and make appropriate compensation. 2.4 Identify and remedy malfunctions of locating instruments. 2.5 Mark the approximate location of services on the surface of the work site. 2.6 Conduct test excavation to visually confirm service location.
3. Maintain locating equipment	3.1 Perform daily maintenance of equipment. 3.2 Record maintenance details in a logbook.

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

This unit supersedes and is equivalent to NWP330B Establish positions of underground utilities using locating devices.

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 NWPNET012 Use locating devices

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. Assessment Requirements created drawing upon specified assessment information from superseded unit

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.

- using safety equipment and personal protective equipment
- using tools and machinery including pipe and cable locating equipment
- determining and marking the location and identity of gas, water, electrical, telecommunications and other underground utility services
- identifying work site and task requirements
- accessing appropriate sources of information for location of underground services
- assessing the possible presence of undocumented services
- selecting appropriate locating equipment
- assessing site hazards and taking preventive action
- marking out the worksite
- operating utility locating device, including compensating for spurious signals
- identifying and correcting equipment malfunction
- marking and confirming location of utilities
- maintaining equipment in good working order
- completing relevant documentation

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.

- system hydraulics
- system layout
- environmental requirements

- lock out procedures for mechanical and electrical installations
- legal and social consequences of service disruption
- relevant utilities and service bodies
- communication systems
- landscape and ground structure of work area
- risk assessment and the identification of potential hazards
- equipment operation, capacity and limitations
- effects of weather and conditions on site or plant

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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