



Australian Government

NWPNET029 Locate, identify and protect utilities

Release: 1

NWPNET029 Locate, identify and protect utilities

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 locate, identify and protect utilities.

It includes preparing to locate utility services at the worksite, locating utility assets by excavation, operating plant near underground or overhead utility assets. It also includes protecting and supporting utility assets during excavation and backfilling and initiating emergency procedures.

This unit applies to those involved in locating, constructing, repairing or installing underground utility infrastructure to prevent damage, injury, death or loss of service. Those undertaking this unit would work under appropriate supervision, performing routine tasks, in mostly familiar context ensuring minimum damage to the environment.

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

Elements describe the essential outcomes.

1 Prepare to locate utility services at worksite

PERFORMANCE CRITERIA

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

1.1 Identify utility assets or services by communicating with relevant authorities

- | | | |
|----------|---|--|
| | 1.2 | Determine and mark worksite boundaries and requirements from plans, specifications and workplace instructions |
| | 1.3 | Determine type, size and likely configuration of all underground and overhead services from plans and typical or local installation practices |
| | 1.4 | Conduct risk assessment for environmental and safety factors including personal and protective equipment to ensure it is safe to commence work |
| | 1.5 | Identify yourself to your customers and determine customer needs |
| 2 | Operate pipe and cable locating equipment | |
| | 2.1 | Identify and select appropriate locating equipment |
| | 2.2 | Operate pipe and cable locating equipment according to manufacturer instructions |
| | 2.3 | Interpret false signals or interference with pipe and cable locating equipment and make appropriate adjustments |
| | 2.4 | Mark the approximate location of services on the surface of the worksite according to workplace procedures |
| | 2.5 | Conduct test excavation to visually confirm service location according to workplace procedures |
| 3 | Operate plant near underground or overhead utility assets | |
| | 3.1 | Monitor plant during work activities according to workplace procedures |
| | 3.2 | Identify potential or actual encroaches of plant on minimum clearances to assets |
| | 3.3 | Give instructions to plant operator using agreed signals |
| 4 | Protect and support utility assets during excavation and backfilling | |
| | 4.1 | Protect and support assets according to utility owner requirements to prevent damage |
| | 4.2 | Report damage to assets to utility owner according to workplace procedures |
| | 4.3 | Restore worksite using equipment, tools and materials to meet environmental and workplace procedures |

- | | |
|--------------------------------------|--|
| 5 Maintain locating equipment | 5.1 Perform daily maintenance of equipment according to manufacturer instructions |
| | 5.2 Record maintenance details according to workplace procedures |

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 NWPNET011 Locate, identify and protect utilities.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>