



Australian Government

CPCLOC3001 Apply safety practices when utility locating

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Modification History

Release	Comments
1	This unit of competency was first released in CPC Construction, Plumbing and Services Training Package Release 11.0.

Application

This unit describes the skills and knowledge required to apply work health and safety (WHS) practices to underground location services.

It applies to those working in operational roles in utility location work. They generally work under supervision and hold some responsibility for the use of equipment to locate and protect underground services.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and utility operators. It is a requirement to check with the relevant body before applying this unit.

Licensing/Regulatory Information

A White Card must be attained when working on a construction site.

Pre-requisite unit(s)

No pre-requisite units

Competency field(s)

Utility Locating

Unit sector(s)

Construction

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Interpret WHS documentation.	1.1 Access worksite requirement documentation for underground services.

	1.2 Identify key standards, policies and procedures, regulations, codes of practice and established requirements for identifying, locating and protecting underground services. 1.3 Identify work health and safety (WHS) requirements as they relate to the worksite and underground services. 1.4 Decipher the difference between safe work method statements and job safety requirements. 1.5 Determine how to apply the required WHS practices to specific worksite jobs.
2. Apply WHS procedures while conducting utility locating.	2.1 Access personal protective clothing (PPC) and personal protective equipment (PPE) and ensure they are fitted correctly in accordance with manufacturer specifications while conducting utility locating. 2.2 Identify hazards by conducting a walk around and a visual inspection of the worksite to assist with risk assessment. 2.3 Implement risk controls for identified hazards associated with utility locating within own level of authority, or report hazards requiring further action to the relevant person in accordance with workplace procedures. 2.4 Confirm requirements for complying with environmental protection, safety and traffic management signage requirements. 2.5 Communicate WHS utility locating worksite processes to relevant personnel, owner/operators and the general public in accordance with workplace procedures and worksite safety requirements. 2.6 Complete worksite safety records in accordance with workplace procedures.
3. Monitor WHS on worksite when locating.	3.1 Monitor processes when commencing utility locating services to comply with risk and hazard mitigation practices. 3.2 Monitor processes, worksite conditions and hazard controls while using utility locating equipment and transmitter connection methods according to manufacturer specifications to ensure that hazard controls remain effective. 3.3 Follow worksite reporting processes in accordance with WHS requirements.
4. Identify procedures for accidents or damages.	4.1 Determine which authorities need to be contacted if an accident occurs. 4.2 Conduct reporting requirements for accidents, damages or risk factors.

Foundation skills

Skill	Description
Numeracy	Calculates tolerances to determine the safety requirements of the location worksite.
Oral communication	Acquires details and reports problems and/or hazards to a supervisor or service and/or utility owner/operator.
Reading	Identifies, interprets and implements requirements from at times complex workplace procedures, documentation, legislation and regulations
Writing	Records information relating to WHS underground services.

Range of conditions

N/A

Assessment Requirements for CPCLOC3001 Apply safety practices when utility locating

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- apply safety practices when utility locating on two occasions for two sites with different conditions.

During the above, the candidate must:

- access worksite documentation to identify underground services
- identify key standards, policies and procedures, legislation and established requirements for identifying, locating and protecting underground services
- safely implement and monitor the requirements, for underground services, including:
 - communicating to clarify instructions and information
 - communicating with relevant personnel, owner/operators and the general public, as required
 - completing reporting requirements
- work with others to consult on all WHS issues, including:
 - identifying and mitigating risks and hazards
 - complying with written and verbal reporting requirements and procedures

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- safety features of personal protective clothing (PPC) and personal protective equipment (PPE), and when and how it should be used
- work health and safety requirements associated with the use of equipment, including:
 - safety data sheets and materials handling methods
 - job safety analysis (JSAs), job safety environmental analysis (JSEAs), and safe work method statements (SWMSs)
- key risks and hazards relating to underground utility services, including those associated with:
 - traffic
 - asbestos
 - contaminated waste
 - confined spaces

- falls
 - water/sewage
 - locating near other works in progress
 - manual handling
 - railway entry requirements
- common control methods to mitigate key risks and hazards, including:
 - environmental protection
 - key indicators of work quality and accuracy
- key standards, policies and procedures, regulations, codes of practice and established requirements for utility locating services
- communication requirements, including:
 - safety signs
 - operational role communication
 - owner/operator communication
 - general public communication
 - authority reporting requirements
- key factors affecting WHS, including:
 - types of underground services and, owner/operators
 - traffic management issues associated with working in a road reserve
 - awareness of overhead utility assets
 - equipment types, characteristics, technical capabilities and limitations
 - asset specific clearance distances
 - non-destructive excavation methods for exposing underground services
- manufacturer specifications for transmitter connection methods and use of equipment associated with utility locating
- procedures for accidents or damages.

Assessment Conditions

Assessors are responsible for ensuring that the candidate demonstrating competency has access to:

- underground utility standards
- appropriate site, documents, equipment and personal protective equipment (PPE) currently used in industry
- requirements of WHS for locating, workplace policies, and procedures.

Mandatory Workplace Requirements

Assessment of performance evidence may be in a workplace setting or an environment that accurately represents a real workplace.

Unit Mapping Information

Previous Code and Title	Equivalence	Comments
	Newly created	This unit has been created to address a skill or task required by industry that is not covered by an existing unit of competency

Links

Companion volumes, including implementation guides, are found on the national training register - <https://training.gov.au/training/details/CPC>.