



Australian Government

Department of Education, Employment and Workplace Relations

BCC2003A Assist with excavation and support installation

Release: 1

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Modification History

Not applicable.

Unit Descriptor

Not applicable.

Application of the Unit

Not applicable.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

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Element

Performance Criteria

1 Plan and prepare work

1.1 Quality Assurance requirements recognised and adhered to.

1.2 OH&S requirements adhered to.

1.3 Personal protective equipment selected, correctly fitted and used.

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|---|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| | 1.4 | Tools and equipment selected consistent with needs of job and checked for serviceability. |
| 2 | Set out excavation and erect safety equipment | 2.1 Safety barricades, signs and lights erected in position as required by OH&S requirements. |
| | 2.2 | Excavation located, site pegs installed, service markers identified and excavation limits marked for instruction or job drawing. |
| 3 | Assist machine excavation operations | 3.1 Machine operator assisted with excavation ensuring it is to line and depth. |
| | 3.2 | Excavation cleaned out by hand to job requirements. |
| 4 | Install excavation support | 4.1 Excavation works carried out in accordance with regulatory authorities requirements. |
| | 4.2 | Trench/excavation support installed to instruction. |
| 5 | Clean up | 5.1 Site cleaned and cleared of unwanted excavated material. |
| | 5.2 | Tools, cleaned, maintained and stored. |

Required Skills and Knowledge

Not applicable.

Evidence Guide

Competency is to be demonstrated by the safe and effective excavation and installation of support for different types of excavations listed in the range of variables statement.

(1) Critical Aspects of Evidence

It is essential that competence is observed in the following aspects:

compliance with Occupational Health and Safety regulations and State/Territory legislation applicable to work place operations

compliance with organisational policies and procedures including Quality Assurance requirements.

correct procedures during construction

safe and effective operational use of tools, plant and equipment and communications to enable safe excavation and support installation

(2) Pre-requisite Relationship of Units

This unit of competency is dependent upon acquiring the relevant pre-requisite competencies in basic industry and basic stream skills.

(3) Underpinning Knowledge and Skills

Knowledge

A knowledge of:

workplace and equipment safety requirements including relevant legislation regulations and codes

measurements

hand tools and equipment

materials and handling methods

Quality Assurance

workplace communication

Skills

The ability to:

work safely to instructions

use hand tools

handle material

select material

measure

apply Quality Assurance

communicate effectively

(4) Resource Implications

The following resources should be made available:

general construction materials relative to civil construction works

hand and power tools, plant and equipment appropriate to the civil construction activity

plant and equipment appropriate to the relative construction activity

suitable work area appropriate to the construction activity

suitable plan/specifications relative to the work orientation

(5) Method of Assessment

Competency should be assessed through direct observation and questions related to underpinning knowledge.

Competency in this unit may be determined concurrently, based upon project work.

Competency shall be assessed while work is undertaken under general guidance, checking at various stages of the process and at the completion of the activity against the performance criteria and specifications.

(6) Context of Assessment

Competency shall be assessed in the normal or simulated workplace environment and in accordance with safe work procedures.

Assessment shall include those aspects that are consistent with the work environment of this unit.

Competency shall be assessed while work is undertaken autonomously, within a team environment.

Assessment may be intermittent checking at various stages of the job application with the performance criteria, or may be at the completion of the process.

Guidelines will be in line with statutory requirements, enterprise specific policies and procedures and codes of practice.

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Range Statement

Work carried out in a team situation under direct supervision. Installation of excavation support applies to trench/excavation depth in excess of 1.5m.

Excavation includes:

wells

pits

trenches

Instructions may include:

verbal

written

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Unit Sector(s)

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