Unit of Competency CPCCCM2002 Carry out hand excavation

Application

This unit of competency specifies the skills and knowledge required to undertake hand excavation tasks to form excavations for footings and the provision of services.

The unit is suitable for those with basic skills and knowledge undertaking routine work tasks under the direction of more experienced workers.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of unit CPCCWHS1001 *Prepare to work safely in the construction industry* meets this requirement.

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

Prerequisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.

Elements and Performance Criteria

1. Plan and prepare for hand excavation.	1.1	Read and interpret work instructions, and plan sequence of work.
	1.2	Plan all work to comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, workplace requirements, drawings and specifications.
	1.3	Select and use personal protective equipment (PPE) for each part of the task.
	1.4	Select tools and equipment, check for serviceability and report any faults.
2. Prepare excavation site and erect safety equipment.	2.1	Inspect work site to locate above ground services and assess hazards and determine risk controls.
	2.2	Locate service markers or taped areas to ensure underground services are avoided and free from interference.
	2.3	Establish line and depth using site pegs/profiles to mark excavation limits.
	2.4	Establish required signage and barricades and other risk controls.
	2.5	Establish temporary drainage system to divert surface and sub-surface water from excavation.
3. Dig excavations.	3.1	Dig excavations with hand tools to route, line and depth, following procedures to minimise risk to self and others.
	3.2	Install basic trench/excavation support.
	3.3	Use hand tools to remove loose material from excavation.
4. Check and store tools and	4.1	Clean up, meeting all legislative and workplace requirements for

equipment.		safety, waste disposal and materials handling.
	4.2	Check, maintain and store tools and equipment and report any faults.

Foundation skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and equivalent to CPCCCM2002A Carry out excavation.

Links

Companion Volume Implementation Guide:
https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad

Assessment Requirements for CPCCCM2002 Carry out hand excavation

Performance Evidence

To demonstrate competency, a candidate must satisfy all the elements, performance criteria and foundation skills of this unit by excavating, by hand, a 3 metre trench with a right angle, .5 metres deep and .5 metres wide.

All work must be performed to the standard required in the workplace and must comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, workplace requirements, drawings and specifications.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- compliance requirements of the Commonwealth and state or territory legislation relevant to carrying out excavations
- workplace quality policies and standards for carrying out excavations
- safety requirements for carrying out excavations
- environmental requirements for carrying out excavations
- types and uses of hand tools and equipment required for carrying out excavations
- locating services on construction sites
- use and types of service markers
- processes for establishing trench line and depth
- temporary drainage systems to divert surface and sub-surface water from excavations
- types of basic trench excavation support.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed:

- in the workplace or a close simulation of the workplace environment, provided that simulated or project-based assessment techniques replicate construction workplace conditions, materials, activities, responsibilities and procedures
- using realistic tasks or simulated tasks, relevant specifications and work instructions, standard work practices, safety requirements and environmental constraints.

Links

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