Unit of Competency CPCCVE1011 Undertake a basic construction project

Application

This unit of competency specifies the skills and knowledge required to undertake a basic construction project using basic tools, equipment and materials.

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. Review and prepare to undertake basic construction project.	1.1	Review plans and specifications to undertake a basic construction project.
	1.2	Prepare all work to comply with laws and regulations, national construction codes, Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, 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.
	1.5	Determine project components from plans and specifications, prepare component list and calculate quantities of materials.
2. Manufacture components for basic construction project.	2.1	Select processes to manufacture components.
	2.2	Manufacture components and check for accuracy, quality and suitability.
3. Assemble project components.	3.1	Select assembly process.
	3.2	Set out, level and erect/install project in line, level and plumb.
	3.3	Assemble components to specification and quality, and check for conformity to plans and specifications.
4. Clean up.	4.1	Clean up, meeting all legislative and workplace requirements for safety, waste disposal and materials handling.
	4.2	Check, maintain, store and secure 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 CPCCVE1011A Undertake a basic construction project.

Links

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

Assessment Requirements for CPCCVE1011 Undertake a basic construction project

Performance Evidence

To demonstrate competency, a candidate must satisfy all the elements, performance criteria and foundation skills of this unit by undertaking a basic construction project, following plans and specifications, for a simple structure such as a deck, pergola or shed.

All work must be performed to the standard required in the workplace and must comply with work health and safety (WHS) and environmental requirements, manufacturers' specifications, workplace requirements, plans and specifications.

Knowledge Evidence

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

- compliance requirements of the National Construction Code and Australian Standards relevant to basic construction projects
- workplace quality policies and standards for basic construction projects
- safety requirements for basic construction projects, including job safety analyses/safe work method statements in accordance with Safe Work Australia *Code of Practice for Construction Work* or state/territory equivalent, and personal protective equipment (PPE)
- types and uses of tools and equipment used for basic construction projects
- plans and specifications for basic construction projects
- processes for:
  - preparing a component list for a basic construction project
  - calculating material requirements for basic construction projects
  - manufacturing components for basic construction projects
  - assembling components for basic construction project
- plumb, line and level for basic construction projects.

Assessment Conditions

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

This unit must be assessed while undertaking workplace tasks:

- 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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