Unit of Competency CPCCCM1011 Undertake basic estimation and costing

Application

This unit of competency specifies the skills and knowledge required to prepare a basic estimate of material, labour and costs for a construction project.

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

Nil.

Elements and Performance Criteria

1. Gather information.	1.1	Review plans and specifications for basic construction task.
	1.2	Create a material list for the basic construction task.
	1.3	Obtain unit costs of materials on material list from suppliers.
2. Estimate and cost materials for basic construction task.	2.1	Estimate quantities of each item on material list.
	2.2	Calculate cost of materials based on estimated quantities and unit costs.
3. Estimate and cost labour for basic construction task.	3.1	Estimate labour hours required for the basic construction task.
	3.2	Calculate cost of labour based on estimated hours and hourly rate.
4. Document costs of basic construction task.	4.1	Calculate total cost of task materials and labour.
	4.2	Prepare basic costing sheet for the task.

Foundation skills

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

Unit Mapping Information

Supersedes and is equivalent to CPCCCM1011A Undertake basic estimation and costing.

Links

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

Assessment Requirements for CPCCCM1011 Undertake basic estimation and costing

Performance Evidence

To demonstrate competency, a candidate must satisfy all the elements, performance criteria and foundation skills of this unit by estimating, calculating and recording materials and labour requirements for a construction task and preparing a basic costing sheet.

All work must be performed to the standard required in the workplace and must comply with laws and regulations, national construction codes, Australian Standards, 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:

- workplace policies and standards for estimating and costing basic construction tasks
- processes for reviewing and interpreting plans and specifications for basic construction tasks
- processes for sourcing material and unit costs
- processes for estimating:
    - quantities of materials for basic construction tasks
    - labour for basic construction tasks
- processes for calculating requirements and costs of:
    - materials for basic construction tasks
    - labour for basic construction tasks
- processes for preparing basic costing sheets.

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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