Assessment Requirements for CPCPCM2040 Read plans, calculate quantities and mark out materials

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is not equivalent to CPCPCM2040A Read plans and calculate plumbing quantities, and CPCPCM2050A Mark out materials. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by referring to plans and specifications for at least three different plumbing or plumbing services tasks to:

- develop a full materials and specifications list, including lengths, diameters and quantities
- transfer requirements from the plans to accurately mark out materials.

Knowledge Evidence

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

- types of plans and their purpose
- parts of a plan and their function
- conventions and scales used in plans and specifications
- calculation principles used in the plumbing sector:
  - converting millimetres to metres
  - converting metres to millimetres
  - length
  - perimeter
  - circumference
  - area
  - volume
  - pressure
  - addition, subtraction, multiplication and division
  - ratio
  - percentage
- how to access relevant information, including codes and standards

Artibus Innovation

- tools, materials and equipment used to read plans, calculate quantities and mark out materials
- work health and safety (WHS) requirements for reading plans, calculating quantities and marking out materials.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

Companion volumes to this training package are available at the VETNet website - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad