

Unit of Competency CPCPCM2047

Carry out levelling

Application

This unit specifies the skills and knowledge required to plan and use levelling equipment.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Prerequisite Unit

CPCPCM2043 Carry out WHS requirements

Elements and Performance Criteria

1. Identify levelling requirements.	<p>1.1 Access, read and determine levelling requirements from relevant job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements.</p> <p>1.2 Identify and apply workplace, work health and safety (WHS) and environmental requirements.</p>
2. Prepare for work.	<p>2.1 Select and check serviceability of appropriate tools, equipment and personal protective equipment (PPE).</p> <p>2.2 Check levelling equipment for current calibration in accordance with state and territory legislation and workplace policies and procedures.</p>
3. Perform levelling.	<p>3.1 Identify levels to be transferred from relevant job plans and specifications.</p> <p>3.2 Set up and operate levelling equipment according to manufacturer's specifications, workplace procedures and standards.</p> <p>3.3 Record and mark levels according to job requirements and workplace procedures, ensuring the required tolerance and specifications.</p>
4. Clean up.	<p>4.1 Clear the work area and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures.</p> <p>4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.</p>

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 CPCPCM2047A Carry out levelling.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCPCM2047 Carry out levelling

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- using either a pipe laser, rotary laser or automatic level
- grading a pipe or gutter for a minimum of 5 metres to a tolerance of + or - 5 mm.

Knowledge Evidence

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

- different types of levelling tools and equipment and their application and method of operation:
 - o laser level
 - o automatic level
 - o spirit level
 - o water level
 - o string line
 - o staff
- safe work procedures relating to the use, handling and storage of levelling equipment
- process of establishing, recording and checking levels and alignment
- basic calculations relating to carrying out levelling
- how to access relevant information, including relevant job plans and specifications, codes and standards manufacturer's specifications and jurisdictional requirements
- tools, materials and equipment used to carry out levelling operations
- work health and safety (WHS) requirements for carrying out levelling operations.

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

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