Set up levelling equipment and take levels on construction sites

Level 4
Credits 5

Purpose People credited with this unit standard are able to set up levelling instruments, and take levels, on a construction site.

Subfield Construction Trades
Domain Carpentry
Status Registered
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Entry information Open.

Replacement information This unit standard and unit standard 13005 replaced unit standard 606.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Building and Construction Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0048
This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes

1 Definitions
A builder’s level is commonly known as a dumpy level, and consists of a spirit level mounted under and parallel to a telescope which is rigidly attached to its supports. Profiles means building profiles. A building profile is used to transfer the plan outline of a building onto the ground. Profile boards are held securely in place, and are made level and parallel to the floor.
Site documents refer to any official documentation for the site, and may include consents, working drawings, plans and specifications, reports, producer statements, any relevant industry standards, or any other documentation critical to the construction process.
2 For all on site unit standards the practical assessment evidence must be provided in the context of commercial business construction operations, in the workplace, under normal workplace conditions.

3 Credit for this unit standard indicates compliance with industry practice. *Industry practice* refers to the ability to work unsupervised, demonstrating knowledge and skills that reflect the productivity, uniformity, finish quality and material economies currently accepted within industry.


### Elements and performance criteria

**Element 1**

Set up levelling instruments on a construction site.

**Performance criteria**

1.1 Levelling work required is identified from site documents.

1.2 Levelling instrument is set up and adjusted.

Range two of – theodolite, straight edge and spirit level, builder’s level, laser level, water level.

1.3 Systems for measuring and recording are selected in accordance with site documents.

1.4 Levelling instrument is checked for accuracy prior to taking levels.

**Element 2**

Take levels on a construction site.

**Performance criteria**

2.1 Levelling equipment is used safely and in a manner which will give a level surface (3mm in 10m).

Range two of – theodolite, straight edge and spirit level, builder’s level, laser level, water level.

2.2 Heights for profiles are set in relation to job datum.

2.3 Level readings are taken and recorded in accordance with site documents.
Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation national.office@bcito.org.nz if you wish to suggest changes to the content of this unit standard.