Title | Set up levelling equipment and take levels on construction sites
---|---
Level | 4
Credits | 5

<table>
<thead>
<tr>
<th>Purpose</th>
<th>People credited with this unit standard are able to set up levelling instruments, and take levels, on a construction site.</th>
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<table>
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<th>Classification</th>
<th>Construction Trades &gt; Carpentry</th>
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<th>Available grade</th>
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**Guidance Information**

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.

4. Legislation relevant to this unit standard includes:
   - Building Act 2004;
   - Resource Management Act 1991;
   - New Zealand Building Code.

**Outcomes and performance criteria**

**Outcome 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.

Outcome 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.

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Replacement information

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

This unit standard, unit standard 13040 and unit standard 13041 were replaced by unit standard 32463.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

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<th>Process</th>
<th>Version</th>
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<td>Review</td>
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