

<b>Title</b>	<b>Carry out measurements and calculations in the painting and decorating sector</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	<p>This general unit standard is for people entering the painting and decorating sector.</p> <p>People credited with this unit standard are, in the painting and decorating sector, able to: prepare to perform calculations; obtain measurements; perform calculations; and estimate quantities.</p>
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<b>Classification</b>	Construction Trades > Painting and Decorating
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<b>Available grade</b>	Achieved
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### Explanatory notes

- 1 Legislation and references relevant to this unit standard include – Health and Safety in Employment Act 1992; Resource Management Act 1991; Hazardous Substances and New Organisms Act 1996; available at <http://legislation.govt.nz>; AS/NZS 2311:2009 *Guide to the painting of buildings*, available at <http://www.standards.co.nz/>.
- 2 Definition  
*Worksite requirements* refer to job instructions to candidate on agreed work to be carried out.
- 3 This unit standard must be assessed against in a realistic workplace environment. The candidate must be under realistic time pressures, and use relevant commercial equipment and approved industry techniques.
- 4 Evidence is required of measurements and calculations for two different painting and decorating jobs.

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### Outcomes and evidence requirements

#### Outcome 1

Prepare to perform calculations in the painting and decorating sector.

#### Evidence requirements

- 1.1 Work instructions are confirmed and applied in accordance with worksite requirements.

- 1.2 Safety requirements are obtained from site safety plan and applied in accordance with worksite requirements.
- 1.3 Measuring and calculating equipment selected to carry out the painting and decorating project is consistent with job requirements and is checked for serviceability, and any faults are rectified or reported in accordance with worksite requirements.

## **Outcome 2**

Obtain measurements in the painting and decorating sector.

### **Evidence requirements**

- 2.1 Method of obtaining the measurement is selected and applied in accordance with worksite requirements.
- 2.2 Accurate measurements are obtained for the painting and decorating project in accordance with worksite requirements.
- 2.3 Measurements, including any areas and volumes, are recorded in accordance with worksite requirements.

## **Outcome 3**

Perform calculations in the painting and decorating sector.

### **Evidence requirements**

- 3.1 Calculation factors are determined and appropriate method is selected for achieving required result in accordance with worksite requirements.
- 3.2 Material quantities for the painting and decorating project are calculated using appropriate factors in accordance with worksite requirements.
- 3.3 Results are checked against the work instructions and recorded in accordance with worksite requirements.

## **Outcome 4**

Estimate quantities in the painting and decorating sector.

### **Evidence requirements**

- 4.1 Calculations for determining material requirements are performed in accordance with worksite requirements.
- 4.2 Formulas for calculating quantities are applied to the painting and decorating project in accordance with worksite requirements.

- 4.3 Quantities are estimated for the painting and decorating project in accordance with worksite requirements.
- 4.4 Material quantities for the project are estimated, checked against the work instructions and recorded in accordance with worksite requirements.

<b>Replacement information</b>	This unit standard replaced standard 26476.
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<b>Planned review date</b>	31 December 2019
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 August 2011	31 December 2016
Review	2	19 February 2015	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR 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 [info@bcito.org.nz](mailto:info@bcito.org.nz) if you wish to suggest changes to the content of this unit standard.