

**Qualification Title:** New Zealand Certificate in Trowel Trades (Level 4) with strands in Brick and Block Laying, Floor and Wall Tiling, Proprietary Plaster Cladding Systems, Ferrocement Tank Manufacture, Refractory Installation, and Solid Plastering (with optional strands in Fixing Cavities and Substrates, and Decorative Mouldings)

**Qualification number:** 3137

**Date of review:** 21 April 2022

This report refers to graduates awarded this qualification prior to: 31 December 2021

**Final decision on consistency of the qualification: National consistency is confirmed**

It was agreed at the review meeting that the threshold, for the purposes of this consistency review, would be aligned with the graduate profile outcomes of version one of this qualification since all graduates worked with version one.

**Threshold:**

The threshold to determine sufficiency with the graduate profile was determined as evidence of graduates who will be able to:

- apply a broad practical working knowledge of the fundamentals required in the trowel trades in order to undertake specific trowel trade work
- self-manage on-going learning and provide leadership for others, with a responsibility to maintain the professional standards required in the trowel trades industry
- operate unsupervised to the required safety, technical, quality and productivity standards expected in a commercial environment

Graduates of the Brick and Block Laying strand will also be able to:

- plan and carry out all aspects of brick and block masonry work, including structural masonry and masonry veneer.

Graduates of the Floor and Wall Tiling strand will also be able to:

- plan and carry out all aspects of floor and wall tiling work, including wet and dry areas.

Graduates of the Proprietary Plaster Cladding Systems strand will also be able to:

- plan and carry out all aspects of proprietary plaster cladding systems, including installation and finishing.

Graduates of the Proprietary Plaster Cladding Systems strand, with the optional strand in Fixing Cavities and Substrates will also be able to:

## Final Consistency Review Report

- plan and carry out all aspects of fixing cavities and substrates to framing, including fixing cavities and substrates to timber and steel framing.

Graduates of the Ferro-Cement Tank Manufacture strand will also be able to:

- plan and carry out all aspects of ferro-cement tank manufacture, including concreting and plastering.

Graduates of the Refractory Installation strand will also be able to:

- plan and carry out all aspects of installing refractories, including repairs and maintenance.

Graduates of the Solid Plastering strand will also be able to:

- plan and carry out all aspects of solid plastering work, including a range of different finishes.

Graduates of the Solid Plastering strand, with the optional strand in Decorative Mouldings will also be able to:

- plan and carry out all aspects of creating and installing decorative mouldings, including run mouldings to create or recreate decorative elements using plaster as the medium.

### Education Organisations with sufficient evidence

The following education organisations have been found to have sufficient evidence.

MOE Number	Education Organisation	Final rating
8101	Building and Construction Industry Training Organisation	Sufficient

### Introduction

The purpose of this Level 4 qualification is to provide the trowel trades sector with tradespeople capable of providing leadership while working unsupervised, to complete specific trowel trade work to the level required of a commercially competent tradesperson.

The eight strands recognise aspects of the trowel trades industry. The Brick and Block Laying, Solid Plastering and Proprietary Plaster Cladding Systems strands support the knowledge and skill requirements of the appropriate license class and/or areas of practice of the Licensed Building Practitioner scheme.

Graduates of this qualification will become qualified tradespeople in their field within the trowel trades sector. They may go on to roles in supervision or management, to owning their own business, or to become specialist operators.

## Final Consistency Review Report

This qualification may lead to the New Zealand Certificate in Construction Trades Supervision (Level 5) with strands in Residential Building, Commercial Construction, Construction Related Trades, and Construction Related Manufacturing [Ref: 4237]. The earlier version of this qualification was developed by the Building and Construction Industry Training Organisation (BCITO) in consultation with the trowel trades sector in 2015 and listed on the New Zealand Qualifications Framework in February 2016. A qualification review was conducted in late 2020 and version two is now listed on the framework. The next planned review of this qualification is December 2025.

As noted earlier, this consistency review related to version one of the qualification and the data provided aligns with the strands of this version. There was one education organisation BCITO with graduates from the Programme of Industry Training (PIT), leading to the award of this qualification. The BCITO had a total of 211 graduates over the reporting period, with 41 completing Brick and Block laying strand, two completing Ferro-cement Tank Manufacture strand, 99 completing Floor and Wall Tiling strand, 41 completing Proprietary Plaster Cladding Systems strand, two completing Refractory Installation, five completing Solid Plastering and the optional strand in Fixing Cavities and Substrates strand, and 21 completing Proprietary Plaster Cladding Systems strands with the optional strand in Fixing Cavities and Substrates.

The consistency review was held via a video-conference meeting on 21 April 2022 and was attended by representatives of the BCITO and the Waihanga Ara Rau (Construction and Infrastructure) Workforce Development Council (WDC) that has responsibility for qualifications relating to the construction and infrastructure industries.

### Evidence

The education organisation provided a range of evidence to demonstrate that their graduates met the graduate profile outcomes.

The criteria used to judge the evaluation question were:

- The nature, quality and integrity of the evidence presented by the education organisation
- How well the organisation has analysed, interpreted and validated the evidence, and used the understanding gained to achieve actual or improved consistency
- The extent to which the education organisation can reasonably justify and validate claims and statements relating to the consistency of graduate outcomes, including in relation to other providers of programmes leading to the qualification

The evidence included:

- Confirmation that the approved programme of industry training and the component unit standards, were aligned to and led the to the graduate profile.
- Evidence that trainees demonstrated their competence in the workplace and were assessed by an assessment team including the employer/evaluator and assessor/training adviser, based on naturally occurring evidence and conversations with the trainee.
- Formative assessment evidence from off-job training workshops, for particular strands, that contributed to the summative assessment in the workplace.
- Development of assessors' skills and examples of internal moderation of trowel trades unit standards.

## Final Consistency Review Report

- Feedback from graduates and employers, collected via a phone survey, confirming that the training programme had provided graduates with a range of skills aligned to the graduate profile and appropriate to the strand of the qualification.
- Destination data showing the majority of graduates were employed and working as qualified tradespersons in the field they did their training in, and that a number intended to seek out further study opportunities in their field.

### **How well does the self-assessment and supporting evidence provided by the education organisation demonstrate that its graduates match the graduate outcomes at the appropriate threshold?**

The BCITO submitted a range of evidence that was able to be triangulated to demonstrate that their graduates match the graduate outcomes at the appropriate threshold.

Good evidence relating to the approved PIT was provided in the submission. This demonstrated that the unit standard outcomes were mapped against the qualification graduate profile outcomes (including the strand outcomes). The BCITO's assessment model with its constant touch points with the trainees and industry and the detailed guidance and resources provided to the assessment team, confirms that these are fundamental components for the BCITO in ensuring graduates of the programme are nationally consistent. The mainly positive results of internal moderation, along with an explanation of the enhancements being made to the system, provide confidence in the validity of assessment.

Positive graduate and employer feedback from a representative sample (around 50 per cent, across all strands), collected via a phone survey, confirmed that graduates had gained, and were using, the skills and knowledge outlined in the graduate profile. This was strong evidence of consistency and supported the BCITO's conclusion that the graduates matched the qualification's graduate profile outcomes.

Destination data was also strong, showing the majority (91 per cent) of graduates surveyed were working in roles that required the application of skills and knowledge required by the graduate profile, and that half of these graduates indicated they would seek out further study.

While the submission would have been strengthened with further interpretation and commentary about the evidence and how this supported the BCITO's conclusion, the discussion at the meeting provided assurance that the evidence was well understood but this was not necessarily translated into the report prepared for this consistency review.

Overall, the self-assessment and supporting evidence supplied by the BCITO demonstrates that their graduates meet the graduate outcomes at the determined threshold.

**Special Focus** (includes special focus on a strand or outcome)

N/A

**Examples of good practice**

N/A

## **Final Consistency Review Report**

### **Issues and concerns**

N/A

### **Recommendations to Qualification Developer**

A representative of the WDC (Qualification Developer) participated in the review meeting. No specific recommendations were made at the review.

**Final Consistency Review Report**