

Qualification Title: New Zealand Certificate in Infrastructure Works (Bitumen Surfacing Construction) (Level 4)

Qualification number: 3775

Date of review: 5 August 2022

This report refers to all 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 purpose of this consistency review, was aligned with the graduate profile outcomes of the qualification (version one).

Threshold:

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

- Assess a job site to ensure preparation work is completed and resources are available to meet the requirements for bitumen surfacing construction site works
- Interpret and implement job prescriptions and technical specifications for bitumen surfacing construction operations
- Monitor risk to ensure compliance and the safety of everyone on a bitumen surfacing construction site
- Coordinate and support a bitumen surfacing construction team to complete site works to specifications.

Education Organisations with sufficient evidence

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

MOE Number	Education Organisation	Final rating
8136	Connexis Infrastructure ITO	Sufficient

Introduction

The purpose of this Level 4, 120 - credit qualification is to provide the infrastructure industry with people who can work unsupervised on a dynamic and high-risk bitumen surfacing construction site.

Graduates of this qualification will have the technical skills and knowledge to coordinate and support a team to complete bitumen surfacing construction site work to specifications. The graduates will be able to work in roles specialising in bitumen surfacing construction as a

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leading hand or progress to a supervisor role. This qualification leads to partial fulfilment of the registration requirements for the Civil Trades Board (CTB).

This qualification builds on the New Zealand Certificate in Infrastructure Works (Level 3) [Ref: 2523] and can lead to the New Zealand Certificate in Infrastructure Works (Contract Management) (Level 5) [Ref: 2618]; or the New Zealand Certificate in Infrastructure Works (Projects) (Level 5) [Ref: 2619].

The qualification was developed by Connexis Infrastructure ITO in collaboration with the civil construction sector in 2017 and is scheduled for review later this year.

There was one Industry Training Organisation (ITO), Connexis with graduates from their programme of industry training, leading to the award of this qualification. Connexis had 46 graduates over the reporting period.

The consistency review was held via an online meeting and was attended by a representative of Connexis and Waihanga Ara Rau Construction and Infrastructure Workforce Development Council (WDC) – the new qualification developer.

Evidence

The education organisations provided a range of evidence to demonstrate that their graduates met the graduate profile outcomes (GPOs).

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 provided included:

- Confirmation that the programme of industry training was designed to ensure that programme components (unit standards) led to assessment of the graduate profile
- Trainees were in work whilst completing the qualification, were provided with practical work in the graduate profile outcomes and had appropriate opportunities to provide evidence to demonstrate their competency
- Internal and external moderation evidence that assured the programme was assessed at an appropriate level, and assessment was valid
- Feedback from graduates and employers, confirming that the programme had provided graduates with a range of skills and knowledge aligned to the graduate profile outcomes.

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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 ITO submitted a good range of evidence that demonstrated their graduates match the graduate outcomes at the agreed threshold.

The approved programme of industry training contained the unit standards that were mapped against the graduate profile outcomes of the qualification. Trainees were able to demonstrate their competency through naturally occurring evidence, such as job sheets and health and safety procedures. Assessment was undertaken by company-based workplace assessors who had been provided with training and ongoing professional development by the ITO. Internal and external moderation evidence showed the ITO has robust moderation processes in place and the positive results validated the assessment outcomes and consistency of graduate outcomes.

Graduate and employer survey results and feedback confirmed that graduates had generally gained, and were using, the skills and knowledge in their workplaces as outlined in the graduate profile outcomes.

Destination evidence showed that the majority of graduates continuing to be employed in the same workplace since completing the qualification, some had advanced their careers or had a pay increase, and a small number were interested in pursuing further study in the infrastructure industry.

The data was robustly analysed, interpreted and triangulated to provide a convincing argument that demonstrated the graduates met the graduate outcomes.

Examples of good practice

The recent establishment and implementation of a robust system to gather stakeholder feedback, which had previously not been set up.

Issues and concerns

None

Recommendations to Qualification Developer

The evidence collected from graduates and employers indicates slightly lower levels of confidence in relation to the application of the skills related to GPO2 'Interpret and implement job prescriptions and technical specifications for bitumen surfacing construction operations', which may require some consideration at the upcoming review of the qualification later this year.