

Qualification Title: New Zealand Certificate in Infrastructure Works (Civil) (Level 4) with strands in Earthworks, Road Construction, and Road Maintenance

Qualification number: 2725

Date of review: 12 September 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

Threshold:

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

- meet on-site health, safety, environment, and quality assurance requirements as required for the range of work undertaken on an infrastructure works site
- interpret civil infrastructure plans and apply appropriate methodology to infrastructure work operations
- coordinate plant, equipment, and materials to undertake infrastructure works –
- apply communication skills relevant to infrastructure work operations.

Graduates of the Earthworks strand will also be able to:

- carry out earthworks operations.

Graduates of the Road Construction strand will also be able to:

- carry out road construction operations.

Graduates of the Road Maintenance strand will also be able to:

- carry out road maintenance operations.

Education Organisations with sufficient evidence

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

MOE Number	Education Organisation	Final rating
6044/2	Te Pūkenga Work Based Learning Limited - Connexis	Sufficient

Introduction

The purpose of this qualification is to provide the infrastructure industry with experienced and competent individuals who have attained the skills and knowledge to produce quality outcomes in a range of civil infrastructure work operations.

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The qualification recognises the skills and knowledge required to operate at the tradesperson level, building and maintaining good quality civil infrastructure, while the strands allow specialisation in Earthworks, Road Construction, or Road Maintenance.

The qualification can contribute towards eligibility for registration with the Civil Trades Certification Board (CTCB). Graduates will be capable of working safely to industry standards and specifications under broad guidance, taking responsibility for their own work and some responsibility for the performance of others.

During the reporting period covered by this review, Te Pūkenga Work Based Learning Limited - Connexis (Connexis) was the only education organisation offering this qualification. Connexis uses three PITs (Programmes of Industry Training) specific to each strand, with each programme designed to be a New Zealand apprenticeship. The programmes led to the award of version 2 of the qualification and was the programme that the graduates were enrolled in and completed.

The qualification was initially designed by Connexis and approved on the New Zealand Qualification Framework in 2016. Version 2 of the qualification was approved in 2018. The consistency review was held via an online meeting, and representatives from Connexis, the new qualification developer - (Waihanga Ara Rau Construction and Infrastructure Workforce Development Council), and an observer from Skills Organisation were in attendance.

There were a total of 103 graduates during the reporting period of this review.

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.

Evidence provided by the organisation included:

- Confirmation that the education organisation had a coherent programme of industry training which ensured that programme components and assessments were aligned to and led to the graduate profile outcomes (GPOs).
- Evidence of the alignment of the unit standards of the programme being designed to follow workplace activities.
- Evidence that trainees demonstrated their competence in the workplace and were assessed by a registered assessor and are only assessed if they are deemed ready.
- Evidence of internal pre- and post-moderation that covers all unit standards over five years and assures that the programme was assessed at an appropriate level with a current rate of supported assessor decision being at 96 per cent.

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- Evidence of external moderation carried out by the relevant Workforce Development Council or NZQA and standards being met.
- Records of feedback from employers and graduates confirm that the programme has provided graduates with a range of skills and knowledge aligned to the graduate profile outcomes and that the programme was relevant to the employer workplace, aligned well with activities required, and is meeting the needs of industry.
- Evidence of internal self-assessment activities, such as reviewing workbooks, analysing enrolment to check barriers to completion, and ensuring relevant support and mentoring were available, showed that ongoing improvements were made to programmes and delivery, and that learner feedback was responded to.

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?

A very extensive analysis of the graduates meeting the qualification outcomes from Connexis provided good reflective commentary on each area of programme development and delivery, moderation, graduate feedback, employer feedback with the graduates' GPO related performance ratings, and an overview of the value of the qualification. There was a comprehensive self-assessment and gathering of data, which indicated that 25 per cent of graduates had gained a pay increase since completion and some had significant progression in their career, which they attributed to the completion of the qualification. This analysis, the self-assessment, and the supporting evidence supplied demonstrate that their graduates meet the graduate outcomes at the determined threshold.

Special Focus

The value to the graduates of completing all three strands was evidenced by 39 per cent of the total number of graduates completing all three.

Examples of good practice

A good example of a straightforward, easy-to-understand presentation was given, covering all aspects of the requirements to show the graduates meeting the graduate profile outcomes.

Issues and concerns

None

Recommendations to Qualification Developer

None