

Qualification Title: New Zealand Certificate in Electricity Supply (Transmission Line Maintenance) (Level 4) with strands in Line Mechanics, and Structure Maintenance

Qualification number: 2705

Date of review: 12 October 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:

- plan work and apply health and safety requirements and industry standards when carrying out work as a transmission line maintenance worker, while taking responsibility for the work and safety of others.

Graduates of the Line Mechanics strand will also be able to:

- apply codes of practice, industry standards and operating procedures when carrying out maintenance of transmission lines.

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

- apply codes of practice, industry standards and operating procedures when carrying out maintenance of transmission tower structures.

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

This Level 4 stranded qualification is for people entering or currently employed in the electricity supply industry, who will be or are already, working in transmission line maintenance as either a line mechanic or a structure maintainer. Graduates will be able to work safely to industry standards, taking responsibility for their work and that of others, and be capable of working independently while ensuring public safety.

Graduates of the Line Mechanics strand will be able to work as a line mechanic on transmission lines and are eligible to apply for registration as a line mechanic with the

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Electrical Workers Registration Board (EWRB). Graduates of the Structure Maintenance strand will be able to perform maintenance on electricity supply structures.

Graduates wishing to undertake further study in this field may progress to the New Zealand Certificate in Electricity Supply (Line Mechanic Distribution) (Level 4) [Ref: 2197], or the New Zealand Certificate in Power Technician (Level 5) with optional strands in Communications Systems, Generation, Metering, and Transmission and Distribution [Ref: 3535].

The qualification (version 1) was developed by Connexis infrastructure ITO (Connexis) in 2015 in collaboration with the electricity supply - transmission line maintenance sector. Two reviews have been held since then, resulting in version 2 and version 3 of the qualification (July 2020) being approved on the New Zealand Qualification Framework. The next review is scheduled for 2025, facilitated by the new qualification developer - Waihanga Ara Rau Construction and Infrastructure Workforce Development Council.

All graduates reported for this consistency review had completed Connexis' programme of industry training leading to the award of version 2 (147-154 credits) of the qualification. Connexis had 115 graduates during the reporting period, with 88 completing the Line Mechanics strand, and 27 graduates completing the Structure Maintenance strand of the qualification.

The consistency review was held via an online meeting and was attended by representatives of Connexis and the new qualification developer, Waihanga Ara Rau Construction and Infrastructure Workforce Development Council.

Evidence

The education organisations 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 provided included:

- programme unit standards mapping against the graduate profile outcomes
- moderation processes and results
- graduate survey results
- graduate destinations and confirmation of registration with the professional body.

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?

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

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Good evidence was provided relating to their approved programme of industry training and how the unit standards and learning outcomes were mapped against the qualification graduate profile outcomes (GPOs), including the strand outcomes. Moderation evidence demonstrated robust internal moderation processes and the positive results validated the assessment.

Graduate survey results, from a representative sample of graduates, confirmed that they had gained, and were using, the skills and knowledge outlined in the graduate profile outcomes. The survey results were well analysed, interpreted, and reported. Graduates reported that they were working in roles that required the application of the skills and knowledge required by the graduate profile, and some had progressed to study for further qualifications in the field. Useful insights into the value of training and outcomes were also gained from the survey. The registration board for this industry had confirmed the number of graduates who had completed the Line Mechanics strand of the qualification were now registered, which is also strong evidence that the qualification is fit for purpose.

Overall, the self-assessment and supporting evidence supplied by Connexis demonstrate that their graduates meet the graduate outcomes at the agreed threshold.

Special Focus

None

Issues and concerns

None

Recommendations to Qualification Developer

None