

Qualification Title: New Zealand Certificate in Cranes (Level 3) with strands in Cab-Controlled Overhead Crane, Dogman, Load Lifting Rigging Production, Pendant-Controlled Overhead Crane, Self-Erecting Tower Crane, and Truck Loader Crane

Qualification number: 3730

Date of review: 26 July 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 who, working independently, are able to:

- Work safely in a variety of crane workplaces, complete a job safety analysis, identify hazards in the workplace, and put controls in place or escalate for further attention
- Identify and use load weights to sling regular loads using the appropriate lifting equipment
- Apply knowledge of the Cranes Safety Manual to carry out pre-start and post checks of cranes or lifting equipment.

Additionally:

Graduates of the Cab-Controlled Overhead Crane strand are also able to:

- Access and exit a cab-controlled overhead crane, and lift and place regular loads within the working load limit.

Graduates of the Dogman strand are also able to:

- Apply knowledge of risk management, slinging calculations, and industry recognised communication methods to direct and guide crane movements in relation to loads and equipment.

Graduates of the Load Lifting Rigging Production strand are also able to:

- Produce slings or complete a pre/post production examination of slings to be used for lifting; using knowledge of tolerances and limitations of wire, chain, and synthetic materials in relation to the items to be lifted.

Graduates of the Pendant-Controlled Overhead Crane strand are also able to:

- Lift and place regular loads within a workplace using a pendant or remote-controlled overhead crane within the working load limit.

Graduates of the Self-Erecting Tower Crane strand are also able to:

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- Engage and operate a self-erecting tower crane including lifting and placing regular loads in accordance with rating charts.

Graduates of the Truck Loader Crane strand are also able to:

- Operate a truck loader crane within safe tolerances and regulatory requirements including lifting and placing regular loads in accordance with rating charts.¹

Education Organisations with sufficient evidence

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

MOE Number	Education Organisation	Final rating
8103	The Skills Organisation	Sufficient

Introduction

The New Zealand Certificate in Cranes (Level 3) is a 50-55 credit, entry-level qualification intended to provide the New Zealand crane industry with individuals who may be employed for a range of tasks at a variety of worksites where cranes are operating. The qualification is structured to recognise the differing requirements of the specialist areas and industries. Although the industry is not formally licensed, many of the strands, or unit standards within, are the minimum qualification requirements to operate the various cranes as recommended by Worksafe New Zealand. Graduates of the Dogman strand often move into further study at level 4. For most graduates from other strands, level 3 is a terminal qualification.

There have been 132 graduates in the period 2020-2021.

There was one education organisation with graduates, who was represented in an online consistency review meeting. Their programme is delivered via on-job training.

The Skills Organisation² was the qualification developer, and a representative of Waihanga Ara Rau Workforce Development Council (New qualification developer) participated in the online review meeting. The qualification was approved in 2016 and a scheduled review of the qualification is currently underway, facilitated by Waihanga Ara Rau Workforce Development Council.

Evidence

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

The criteria used to judge the evaluation question were:

¹ This threshold statement is drawn directly from the graduate profile outcomes of the qualification as review participants agreed that they were all relevant and of importance. The qualification is currently under scheduled review.

² Since transferred to Waihanga Ara Rau Workforce Development Council

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- 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.

Evidence provided included:

- Confirmation that the education organisation had a coherent programme of industry training which ensured that programme components and assessments led to the graduate profile
- Evidence of pre- and post- moderation that assured that the programme was assessed at an appropriate level
- Records of feedback from employers, graduates, and other stakeholders, confirming that the programme had provided students with a range of skills and knowledge aligned to the graduate profile and appropriate to a role in the crane industry.

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

The education organisation submitted a range of evidence that could be triangulated to demonstrate that their graduates meet the graduate outcomes at the agreed threshold. This included assessment and moderation evidence; programme to GPO alignment; graduate and employer feedback.

The education organisation provided good evidence related to the alignment of their approved programme of industry training with the GPOs, and of the quality and suitability of assessments in terms of supporting graduate consistency with the graduate outcome. The education organisation provided evidence that their programme provided opportunities for assessment within realistic contexts aligned to the qualification.

The evidence relating to moderation was strong, demonstrating good moderation processes.

Graduate and employer engagement supported the premise that graduates had gained, and were using, the skills and knowledge outlined in the graduate profile or that they were working in roles that required the application of skills and knowledge outlined in the graduate profile.

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

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

None

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Issues and concerns

None

Recommendations to Qualification Developer

None