

Qualification Title: New Zealand Certificate in Cranes (Level 4) with strands in Advanced Dogman, Crawler Crane, Mini Crane, Mobile Crane, Non-Slewing Articulated Crane, and Tower Crane

Qualification number: 3731

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 in a self-managed capacity, are able to:

- Take responsibility for sole charge jobs, and interpret and utilise documentation to support organisational compliance, and health and safety objectives
- Plan and document lifts of regular and irregular loads, using knowledge of cranes and equipment, hazards, and risk mitigation practices in the cranes industry.

Additionally:

Graduates of the Advanced Dogman strand are also able to:

- Calculate weights, centres of gravity, lifting points and equalizing methods, and use results to sling irregular loads using the appropriate lifting equipment
- Apply knowledge of slinging methods to plan complex lifts.

Graduates of the Crawler Crane strand are also able to:

- Prepare for moving or tracking, configure, and position a crawler crane to operate within safe tolerances, stability requirements, and permits
- Operate a crawler crane including lifting and placing regular and irregular loads, stationary and tracking within crane limits and in accordance with rating charts.

Graduates of the Mini Crane strand are also able to:

- Prepare for transport, and position a mini crane to operate within safe tolerances and stability requirements
- Operate a mini crane with a hydraulic boom including lifting and placing regular and irregular loads, stationary and tracking within crane limits and in accordance with rating charts.

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Graduates of the Mobile Crane strand are also able to:

- Mobilise and demobilise, configure, and position a mobile crane on or off outriggers to operate within safe tolerances and permits
- Operate a mobile crane including lifting and placing regular and irregular loads in accordance with rating charts.

Graduates of the Non-Slewing Articulated Crane strand are also able to:

- Prepare for travel, configure, and position a non-slewing crane to operate within safe tolerances and travel plan
- Operate a non-slewing articulated crane including picking and carrying regular and irregular loads in accordance with rating charts.

Graduates of the Tower Crane strand are also able to:

- Access and egress a tower crane cab and place a tower crane into and out-of-service within risk mitigation strategies for the workplace and operating environment
- Operate a tower crane including lifting and placing regular and irregular loads in accordance with rating charts, communicating with a dogman at a distance.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 4) is a 50-60 credit qualification intended to provide the New Zealand crane industry with individuals who may be employed as crane operators or dogmen for a range of crane tasks in dynamic and variable workplaces. The qualification is stranded to recognise the differing requirements of the specialist crane operations. Graduates of the Crawler Crane, Mini Crane, Mobile Crane, Non-Slewing Articulated Crane, and Tower Crane strands may progress onto the New Zealand Certificate in Cranes (Advanced Crane Operation) (Level 5).

There have been 53 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.

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.

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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. 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:

- 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 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 outcomes. The education organisation provided evidence that their programme provided opportunities for assessment within realistic contexts aligned to the qualification.

² Since transferred to Waihanga Ara Rau Workforce Development Council

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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

Issues and concerns

None

Recommendations to Qualification Developer

None