

Qualification Title: New Zealand Certificate in Aeronautical Engineering (Workplace Introductory Skills) (Level 4)

Qualification number: 2901

Date of review: 18 November 2021

This report refers to graduates awarded this qualification prior to: **31 December 2020**

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 have a wide-ranging base of Aeronautical skills, knowledge and experience that prepares them for employment in a variety of Aeronautical Engineering workplaces.

Graduates are able to complete maintenance tasks, which may include structures, hydraulics, landing gear, propulsion, flight controls, electrical, avionics, fuel, air conditioning and pressurisation, in accordance with aeronautical publications, including aircraft maintenance documentation.

Education Organisations with sufficient evidence

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

MOE Number	Education Organisation	Final rating
6011	Nelson Marlborough Institute of Technology	Sufficient

Introduction

This qualification is targeted at people who are planning to work as an aeronautical engineer. On graduating, graduates will have the skills and knowledge to work as a basic unlicensed aeronautical engineer. The qualification (and the approved programme of the organisation) is delivered within either an aeronautical engineering workplace, or a training environment which replicates an aeronautical engineering workplace. The qualification is currently under review by the Qualification Developer.

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

Final Consistency Review Report

- 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 included:

- Alignment of an approved programme to learning outcomes, unit standards and an aviation licence model;
- Feedback from two cohorts of graduates on their perceived level of confidence and capability of the skills and knowledge of the graduate profile;
- Feedback from a sample of employers on the level of skills, knowledge and behaviour demonstrated by the graduates of the qualification; and
- A sample of workplace and industry feedback on the requirements of the sector and some feedback on graduate's ability.

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?

Education organisations submitted a range of evidence that could be triangulated to demonstrate that graduates match the graduate outcomes at the appropriate threshold. This included assessment and moderation evidence, programme alignment, graduate and employer feedback and destination data.

Programme evidence was generally sound, with evidence of moderation supplied. There was little evidence of the process of moderation being used to inform improvements to improve delivery and assessment of programmes, although during the review meeting, these processes were better described.

Evidence of connections with industry was supplied after the meeting, which helped to demonstrate that graduates were applying the GPOs of the qualification. Given the highly practical nature of the qualification, organisations needed to focus on where the programme led to good outcomes for graduates but also to evaluate any reasons for gaps in knowledge. The organisation had been severely impacted by external events i.e. the impact of Covid-19 on the industry and this had played a significant role in how well some of the quality assurance processes were able to be managed.

Destination data was generally sound and showed that there was opportunity for graduates to achieve the aims of the qualification.

Overall, the evidence presented from the self-assessment and supporting evidence supplied, was sufficient to demonstrate that the graduates match the graduate outcomes.

Special Focus

None.

Recommendations to Qualification Developer

None.

Final Consistency Review Report