

Qualification Title: New Zealand Certificate in Production Boat Building (Alloy/Composite) (Level 4)

Qualification number: 3086

Date of review: 2 March 2022

This report refers to graduates awarded this qualification prior to: **Dec 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 the graduate being able to:

Safely and competently work with a team to use specific industry knowledge, techniques, terminology, products, materials, tools, and equipment to interpret plans, specifications, and regulations to produce boats in a production environment, under limited to no supervision.

Education Organisations with sufficient evidence

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

MOE Number	Education Organisation	Final rating
6034	Marine and Specialised Technologies trading as MAST Academy	Sufficient

Introduction

The purpose of this qualification is to provide the marine industry with people who have the knowledge and skills to work in a team, unsupervised, to refit or construct new alloy or composite production boats. This is an entry level qualification for people intending to enter or who are already working in the boat building sector, in the production of alloy or composite boats. To enrol into this programme an individual must be employed in a production boat building company. MAST work with secondary schools to offer a 'School to Work' programme with a 60 per cent success rate. Graduates will have the specialised knowledge and skills required to manufacture alloy or composite boats in a production environment.

The reporting range for this qualification is 1 January 2016 - 31 December 2021. There was just the one provider presenting at the Consistency review – Marine and Specialised Technologies as they are the only provider offering this qualification (following on from NZMAC¹ TITO). The Marine and Specialised Technologies Academy of New Zealand (MAST

¹ NZ Marine and Composites Industry Training Organisation

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Academy) is the new private training establishment formed through the RoVE process and has taken over responsibility from (NZMAC ITO) for managing the delivery of training to the marine industry.

There are two versions of the qualification with version one being the main version used over the four years. The versions do not differ greatly – the change being dividing the two boat building techniques into two strands – alloy and composite. Version 2 notes what each strand will be able to do.

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.

There were no particular requirements noted for this qualification in the qualification document apart from the need to follow the general conditions of the current versions of the Health and Safety at Work Act 2015, Health and Safety in Employment Regulations 1995, Hazardous Substances & New Organisms (HSNO) Act 1996.

MAST (who now offers the programme leading to the qualification) was able to discuss and evidence how their programme reflects industry practice and currency with relevant legislation. Evidence around maintaining currency and quality included amendments to, and replacements of, relevant legislation and the Coast Guard audit and CPC² rules was noted. The programme is delivered via an in-work, employer-based, apprenticeship programme supported with self-directed online learning.

Evidence was presented of effective internal quality assurance systems to assure that graduates meet the graduate outcomes of the qualification. The programme structure was outlined well, showing the constructive alignment of the GPOs and unit standards ensuring programme course learning outcomes and how their relevant assessments have consistently been aligned to the learning outcomes with appropriate assessment task content.

Evidence was provided of internal pre and post moderation being completed according to the organisations moderation flow chart to ensure assessments were fair, valid and reliable and at the appropriate level. External moderation processes were also sent as evidence, but no external moderation has taken place and since the review evidence has been supplied that this is being managed effectively with an independent review of assessment quality and improved processes being put in place around an external check of the assessments.

Feedback and support from affiliated and associated industry, employers and graduates (and ongoing requests for more graduates) confirmed that graduates were using the skills and knowledge intended from the qualification to meet real world needs.

² Compliance Plate Certification

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A large percentage of graduates are in related employment. Evidence was provided of graduates still either employed in the boat building trade sector or running their own boat building business, six to seven years on from graduation of the qualification.

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?

MAST submitted a range of evidence to demonstrate how the graduates met the GPOs. There was evidence of robust programme mapping of GPOs to learning outcomes with aligned assessments and good analysis of assessments with compelling internal moderation practices demonstrating the range of student performance within a programme and providing convincing evidence that the graduate outcomes have been met. External moderation requirements are beginning to be managed effectively and will commence shortly. Destination data was limited, and the educational organisation identified a need to develop a more systematic approach to gathering timely feedback against the GPOs from all stakeholders including graduates and within the three-day post review process provided additional stakeholder surveys with two additional questions added around the length of time a graduate stayed with the employer after receiving their qualification.

MAST provided evidence that changes or updates that were needed, as suggested by self-assessment and feedback and from industry and employers and also from the CPC audit, have been made.

Overall, the self-assessment and supporting evidence supplied demonstrates that graduates meet the graduate profile outcomes at the determined threshold.

Recommendations to Qualification Developer

The Qualification Developer participated in the review meeting. It was noted and agreed by the qualification developer at the meeting that it would be pertinent to note health and safety in the strategic purpose statement in the next review of the qualification in January 2027.

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