

Field Engineering and Technology, and Manufacturing

Registration of *Trailer Boat Systems* and *Boatbuilding* unit standards

The Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council completed the development of the unit standards listed below.

Date new versions published

June 2025

Planned review date

December 2030

Summary

The review of the New Zealand Certificate in Power Boat Systems Servicing and Repair (Technician) [Ref: 3848] and the New Zealand Certificate in Power Boat Rigging (Level 4) [Ref: 3847] qualifications identified the need for unit standard development on emerging technologies or competencies not currently covered in the existing unit standards.

Meetings took place between August 2024 and March 2025 and involved a provider and industry stakeholder representatives. As a result of these meetings new unit standards were developed to meet industry and emerging technology needs.

Main changes

- Unit standards 33476 and 33480 were developed in response to emerging technologies.
- Unit standards 33474, 33475, 33477, 33478 and 33479 were developed to align with the graduate outcomes of the reviewed qualifications [Refs: 3848 and 3847] and current practice.

Detailed list of unit standards – classification, title, level, and credits

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new ID
D	Standard will expire and not be replaced

Engineering and Technology > Motor Industry > Trailer Boat Systems

ID	Title	Level	Credit	Review Category
33474	Install, disassemble and repair a hydraulic system on a power boat	4	5	New
33475	Describe open and closed engine cooling system operation on a power boat	3	4	New
33476	Describe electric propulsion motors for power boats	3	3	New
33477	Describe fault diagnosis in marine engines	4	3	New
33478	Perform an inspection and maintenance on a boat trailer	3	4	New
33479	Diagnose and repair a gearbox in an outboard marine engine	4	3	New

Manufacturing > Boating Industries > Boatbuilding

ID	Title	Level	Credit	Review Category
33480	Describe alternative fuels used in the marine industry	3	3	New