

Field Engineering and Technology**Review of *Trailer Boat Systems* unit standards**

Subfield	Domain	ID
Motor Industry	Trailer Boat Systems	15450, 15455, 15456, 15458, 15460-15462, 15465-15468, 23940

The NZ Marine and Composites Industry Training Organisation (NZMAC ITO) has completed the review of the unit standards listed above.

Date new versions published

September 2017

Planned review date

December 2022

Summary

NZMAC ITO carried out a review of these standards to better align them to the graduate outcomes of the New Zealand qualifications relating to the marine industry, and also to reflect the new health and safety legislation.

Industry and subject matter experts provided feedback and input into the review of these unit standards. Consultation with consent to assess holders was carried out by email.

Main changes

- Credits increased for some standards to better reflect the learning and assessment time involved.
- The levels of unit standards 15450 and 23940 increased to better reflect the level of the outcomes.
- Content of the unit standards and some titles and were updated to better reflect the standard outcomes.
- Guidance Information was updated to reflect the changes in legislation.

The last date for assessment of superseded versions of Category B unit standards is 31 December 2018

Impact on existing consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Subfield	Motor Industry	3	Standards	15450, 23940	4
Domain	Trailer Boat Systems	3	Standards	15450, 23940	4

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

All changes are in **bold**.

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
15450	Check and service trailer boat systems and controls Check and service trailer boat systems	3 4	4 10	B
15455	Demonstrate knowledge of marine hydraulic transmission operation and servicing requirements Demonstrate knowledge of marine hydraulic transmission	3	4 5	B
15456	Demonstrate knowledge of stern drive transmissions and servicing requirements Explain stern drive transmission	3	4 5	B
15458	Demonstrate knowledge of trailer boat impeller propulsion systems (water jet units) and servicing requirements Demonstrate knowledge of a trailer boat water jet propulsion system	3	4 5	B
15460	Inspect and repair trailer boat inboard driveline components	4	4 5	B
15461	Plan basic equipment layout and rig a trailer boat Plan equipment layout and rig a trailer boat	4	15	B
15462	Inspect, test, and rectify inboard engine cooling system faults on a trailer boat Inspect, test and repair an inboard engine cooling system on a trailer boat	4	4 5	B
15465	Check and determine the suitability of a propeller for a trailer boat	4	3 5	B
15466	Inspect, test, and repair a trailer boat impeller propulsion system (water jet unit) Inspect, test and repair a trailer boat water jet propulsion system	4	3 5	B
15467	Demonstrate knowledge of the layout and servicing requirements of trailer boat drive trains Explain trailer boat drive train layout and servicing procedures	3	6 10	B
15468	Inspect and repair a hydraulic marine transmission	4	6	B
23940	Demonstrate knowledge of trailer boat hydraulic principles and system applications Demonstrate knowledge of trailer boat hydraulic principles, systems and components	3 4	5	B