



Australian Government

AUR30514 Certificate III in Marine Mechanical Technology

Release 1

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Modification History

Release	Comment
Release 1	New Qualification

Qualification Description

This qualification reflects the role of individuals who perform a range of tasks in the marine industry. It is suitable for entry into the marine mechanical service and repair sector.

Entry Requirements

This qualification may be accessed by direct entry.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Packaging Rules

Total number of units = 30

11 core units

19 elective units, of which:

- up to **19** elective units may be chosen from the elective units listed below
- up to **5** elective units may be chosen from a Certificate II qualification or above in this Training Package or another endorsed Training Package or accredited course, provided that the units chosen contribute to the vocational outcome of this qualification and do not duplicate the outcome of another unit chosen for the qualification.

Core Units

Unit code	Unit title
AURASA2002	Apply safe working practices in an automotive workplace
AURETR2012	Test and repair basic electrical circuits
AURETR3025	Test, charge and replace batteries
AURETR3029	Diagnose and repair charging systems
AURETR3030	Diagnose and repair starting systems
AURREA2001	Apply environmental and sustainability best practice in a marine workplace
AURRTE3005	Diagnose and repair marine electrical systems and components
AURRTE3008	Install marine engines, controls and instruments
AURRTR3002	Install marine electronic systems and components
AURTTE3001	Apply knowledge of engine science
AURTTK2002	Use and maintain workplace tools and equipment

Elective Units

Unit code	Unit title
AURAF2001	Use numbers in an automotive workplace
AURAF2002	Read in an automotive workplace
AURAF2003	Communicate effectively in an automotive workplace
AURAF2004	Solve routine problems in an automotive workplace
AURAF2005	Write routine texts in an automotive workplace

Unit code	Unit title
AURAMA2001	Work effectively with others
AURAMA2002	Communicate business information
AURAQA2001	Contribute to quality work outcomes
AURETB3001	Repair electric braking systems
AURETK2002	Use and maintain automotive electrical test equipment
AURETR2006	Carry out soldering of electrical wiring and circuits
AURETR2009	Install, test and repair vehicle lighting and wiring systems
AURETR2011	Install and test basic ancillary electrical components
AURETR2015	Inspect and service batteries
AURETR3021	Inspect, service and repair electronic management, monitoring and tracking systems
AURETR3023	Diagnose and repair electronic spark ignition engine management systems
AURETR3024	Diagnose and repair electronic compression ignition engine management systems
AURETR3026	Remove, replace and program electrical and electronic units and assemblies
AURETR3028	Diagnose and repair instruments and warning systems
AURETR3031	Diagnose and repair ignition systems
AURETR3032	Repair electrical systems
AURHTZ3001	Diagnose and repair heavy vehicle emission control systems
AURLTB3003	Diagnose and repair light vehicle hydraulic braking systems
AURRGA3001	Launch and recover a vessel using a trailer
AURRGA3002	Launch and recover a vessel from crane, gantry and forklift
AURRGA3003	Moor a motor-driven vessel
AURRTA2001	Service deck, hull and cabin equipment
AURRTA3002	Carry out hull repairs

Unit code	Unit title
AURRTA3003	Winterise vessel and engine systems
AURRTA3004	Recommission vessel systems
AURRTA3005	Repair deck, hull and cabin equipment
AURRTA3006	Water test a vessel
AURRTD3001	Diagnose and repair marine steering systems
AURRTE2002	Service outboard engines and components
AURRTE2003	Service inboard engines and components
AURRTE3006	Diagnose and repair outboard engines and components
AURRTE3007	Diagnose and repair inboard engines and components
AURRTE3009	Recommission marine engine systems
AURRTE3010	Water test engines in tanks
AURRTE4011	Overhaul two and four cycle outboard engines
AURRTQ2001	Service inboard propeller drive systems
AURRTQ2002	Service jet drive propulsion systems
AURRTQ3003	Install inboard propeller drive systems
AURRTQ3004	Diagnose and repair inboard propeller drive systems
AURRTQ3005	Install jet drive propulsion systems
AURRTQ3006	Diagnose and repair jet drive propulsion systems
AURRTR3003	Test, diagnose and repair marine electronic systems and components
AURRTR3004	Install marine electrical systems and components
AURRTX2001	Service marine outboard and stern drive transmissions
AURRTX2002	Service marine inboard transmissions
AURRTX3003	Diagnose and repair marine outboard and stern drive transmissions
AURRTX3004	Diagnose and repair marine inboard transmissions

Unit code	Unit title
AURTGA3001	Drive and manoeuvre trailers
AURTTA2010	Service and repair trailers up to 4.5 tonnes
AURTTA3013	Repair hydraulic systems
AURTTA3018	Carry out diagnostic procedures
AURTTA3019	Carry out advanced diagnostic procedures
AURTTA4021	Carry out diagnosis of complex system faults
AURTTB2001	Inspect and service braking systems
AURTTF2002	Service diesel fuel injection systems
AURTTF3004	Repair diesel fuel injection systems
AURTTF3005	Inspect and repair engine forced induction systems
AURTTK2001	Use and maintain measuring equipment in an automotive workplace
AURVTW2001	Carry out manual metal arc welding procedures
AURVTW2003	Carry out gas metal arc welding procedures
AURVTW2008	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures
BSBFLM312C	Contribute to team effectiveness
BSBWOR202A	Organise and complete daily work activities
BSBWOR301B	Organise personal work priorities and development
MEM09002B	Interpret technical drawing
TLID1001A	Shift materials safely using manual handling methods
TLILIC2001A	Licence to operate a forklift truck

Qualification Mapping Information

No equivalent qualification.

Links

Implementation Guide - <http://www.asacompanionvolumes.com.au/aur-implementation-guide>