



Australian Government

MAR60115 Advanced Diploma of Maritime Operations (Marine Engineering Class 2)

Release: 1

MAR60115 Advanced Diploma of Maritime Operations (Marine Engineering Class 2)

Modification History

Release 1. This is the first release of this qualification in the MAR Maritime Training Package.

Qualification Description

This qualification is suitable for people who work as an Engineer Class 2 in the maritime industry on ships powered by main propulsion machinery of any propulsion power in any operating area.

This qualification forms some of the requirements for certification by the Australian Maritime Safety Authority (AMSA) as an Engineer Class 2 as described in Marine Orders 70-73 (2014) under the Navigation Act 2012.

People seeking certification should check requirements with AMSA.

^ From 1 July 2022 the elective unit HLTAID003 must no longer be delivered and will be replaced in the Packaging Rules by the unit HLTAID011 - for more information see: <https://asqa.gov.au/news-events/news/reminder-about-superseded-hlt-first-aid-units>

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

Total number of units = 18 units

13 core units, plus

5 elective units from the elective units list below:

at least 1 unit must be from Group A

the remaining units must be from Group A or Group B.

Core units

MARF010	Work safely in confined spaces on a vessel
MARF022	Apply maritime resource management principles
MARG004	Provide leadership to crew
MARL014	Apply intermediate principles of marine

electrotechnology

MARL015 Apply intermediate principles of marine engineering thermodynamics

MARL016 Apply intermediate principles of marine mechanics

MARL017 Apply intermediate principles of naval architecture

MARL022 Demonstrate basic knowledge of ship construction

MARL023 Demonstrate basic knowledge of ship operation and maintenance

MARL024 Demonstrate intermediate knowledge of marine auxiliary boilers

MARL025 Demonstrate intermediate knowledge of marine auxiliary machinery and systems

MARL026 Demonstrate intermediate knowledge of marine control systems and automation

MARL028 Demonstrate intermediate knowledge of marine electrical systems

Elective units: Group A

MARL027 Demonstrate intermediate knowledge of marine diesel engines and systems

MARL029 Demonstrate intermediate knowledge of marine steam turbines and main boilers

Elective units: Group B

MARA001 Contribute to safe cargo operations on liquefied gas tankers

MARA002 Contribute to safe cargo operations on oil and chemical tankers

MARF003 Follow vessel security procedures

MARF006 Observe personal safety and social responsibility

MARF007	Operate survival craft and other lifesaving appliances
MARF008	Prevent and fight fires on board a vessel
MARF009	Survive at sea in the event of vessel abandonment
MARF011	Manage firefighting and fire prevention activities on board a vessel
MARF013	Provide medical first aid on board a vessel
HLTAID003	Provide first aid
^ HLTAID011	Provide First Aid (must be delivered from 1 July 2022)

Qualification Mapping Information

This qualification replaces and is equivalent to MAR60113 Advanced Diploma of Maritime Operations (Marine Engineering Class 2).

MAR60113 replaces and is equivalent to TDM60307 Advanced Diploma of Transport & Distribution (Marine Engineering - Class 2)

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>