



Australian Government

MAR60215 Advanced Diploma of Maritime Operations (Marine Engineering Class 1)

Release: 1

MAR60215 Advanced Diploma of Maritime Operations (Marine Engineering Class 1)

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 1 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 1 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https://asqa.gov.au/news-events/news/reminder-about-superseded-hlt-first-aid-units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 = 17 units

12 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
MARL018	Apply advanced principles of marine electrotechnology
MARL019	Apply advanced principles of marine engineering thermodynamics

MARL020	Apply advanced principles of marine mechanics
MARL021	Apply advanced principles of naval architecture
MARL030	Demonstrate advanced knowledge of marine auxiliary boilers
MARL031	Demonstrate advanced knowledge of marine auxiliary machinery and systems
MARL032	Demonstrate advanced knowledge of marine control systems and automation
MARL034	Demonstrate advanced knowledge of marine electrical systems
MARL036	Demonstrate advanced knowledge of ship operation and maintenance

Elective units: Group A

MARL033	Demonstrate advanced knowledge of marine diesel engines and systems
MARL035	Demonstrate advanced 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 MAR60313 Advanced Diploma of Maritime Operations (Marine Engineering Class 1).

MAR60313 replaces and is equivalent to TDM60207 Advanced Diploma of Transport & Distribution (Marine Engineering - Class 1).

Links

Companion Volume implementation guides are found in VETNet -

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