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

Release 1
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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.

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

**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**