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.

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

**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)
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