MAR50115 Diploma of Maritime Operations (Engineer Watchkeeper)
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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 in the maritime industry as an Engineer Watchkeeper on a seagoing ship powered by main propulsion machinery of any propulsion power in any operating area.

This qualification is currently cited as meeting some of the requirements for certification as an Engineer Watchkeeper by the Australian Maritime Safety Authority (AMSA). People seeking certification should check requirements with AMSA.

Entry Requirements
There are no entry requirements for this qualification.
Packaging Rules

Total number of units = 22 units

18 core units, plus
4 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

MARE001 Communicate effectively when performing engineering duties
MARF003 Follow vessel security procedures
MARF008 Prevent and fight fires on board a vessel
MARF010 Work safely in confined spaces on a vessel
MARF022 Apply maritime resource management principles
MARG004 Provide leadership to crew
MARJ003 Ensure compliance with environmental management legislation
MARL002 Apply basic principles of naval architecture
MARL003 Demonstrate basic knowledge of marine auxiliary boilers
MARL004 Demonstrate basic knowledge of marine auxiliary machinery and equipment
MARL005 Demonstrate basic knowledge of marine control systems and automation
MARL007 Demonstrate basic knowledge of marine electrical systems
MARL009 Perform basic marine engineering calculations
MARL010 Apply basic principles of marine electrotechnology
MARL011 Apply basic principles of marine engineering thermodynamics
MARL012  Apply basic principles of marine mechanics
MARL037  Demonstrate knowledge of ships and ship routines
HLTAID003  Provide first aid

**Elective units: Group A**

MARL006  Demonstrate basic knowledge of marine diesel engines and systems
MARL013  Demonstrate basic 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
MARB013  Maintain and repair marine electrical and electronic equipment
MARB014  Maintain and repair shipboard machinery and equipment
MARC014  Operate deck machinery and steering gear on a vessel up to 80 metres
MARC018  Employ tools, equipment and materials in a shipboard context
MARF006  Observe personal safety and social responsibility
MARF007  Operate survival craft and other lifesaving applications
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
Qualification Mapping Information
This qualification replaces MAR50213 Diploma of Maritime Operations (Engineer Watchkeeper) – not equivalent.

Links