Australian Government

MAR50115 Diploma of Maritime Operations (Engineer Watchkeeper)

Release 1

INDUSTRY SKILLS COUNCILS
Creating Australia's Future

MAR50115 Diploma of Maritime Operations (Engineer Watchkeeper)

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.

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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

MAR Maritime Training Package Companion Volume Implementation Guide at: - http://tlisc.org.au/training-packages/maritime-training/

Transport & Logistics Industry Skills Council