

Marine Engine Driver Grade 2– MAR30818 Certificate III in Maritime Operations (Marine Engine Driver Grade 2 Near Coastal)

Who is the Qualification for?

This qualification is suitable for people who wish to work as a Marine Engine Driver Grade 2 Near Coastal in the maritime industry in the capacity of:

- Chief engineer on vessels with an inboard engine with propulsion power <750 kW within the exclusive economic zone (EEZ) or
- second engineer on vessels with an inboard engine with propulsion power <1500 kW within the EEZ or
- chief or second engineer on vessels with an outboard engine with unlimited propulsion power within the EEZ or
- assistant under direct supervision of a chief engineer or
- worker in an engine room of a vessel <80 m long with propulsion power <3000 kW.

Qualification requirements

As there is an AMSA licencing requirement for participants to have sea time accrued consisting of:

- 180 days with a completed AMSA task book or
- 360 days qualifying sea service or 240 days qualifying sea service while holding a Cox 1, Cox 2 500kW or MED3

How will I be trained and assessed?

Training and assessment is conducted in a classroom environment, workshop and on vessels, activities will include:

- written and verbal assessments* of underpinning knowledge;
- written assignments;
- simulated workplace scenarios using vessel simulators;
- simulated activities conducted in the classroom assessment; and
- demonstrations of practical skills and knowledge completed on board a vessel

What will I learn?

The qualification covers theoretical and practical knowledge of the operations of mechanical equipment in an engine room of a small vessel including:

- marine diesel engines and their fittings, shafting and propellers;
- preparing marine diesel engines for use;
- precautions necessary for the prevention of fire or explosion associated with the use of petrol, L.P. gas and distillate and with the charging of batteries;
- actions to be taken in the event of fire or explosion, including the use of firefighting appliances;
- cooling water and fuel systems, bilge pumping arrangements;
- care of low-voltage electrical systems, including batteries;
- fuel consumption; estimation and calculation; and
- communication knowledge, skills required to write simple work-related documents

How much will the Qualification cost?

People who enrol into MAR30818 Certificate III in Maritime Operations (Marine Engine Driver Grade 2 near Coastal) will pay one course fee in which the Elements of Shipboard Safety and First Aid course fee has been incorporated. The latest course dates and fees are available from SMT.

How long will the Qualification take to complete?

Most people who enrol in MAR30818 Certificate III in Maritime Operations (Marine Engine Driver Grade 2 near Coastal) complete the qualification in nineteen workshop days which includes the 2 days for the ESS course and 2 days for the first aid course. Participants should also expect to complete some self-study and assignments outside of class hours. **Please contact SMT to confirm prior to booking.** During the course classes will be held each day between 9am and 5pm, 5 days a week.

All equipment, training and assessment materials that participants need will be provided by SMT. Participants must bring their own writing materials and wear work-style clothing and enclosed footwear suitable for a Vessel and wet weather gear appropriate for the weather conditions forecast.

What sort of credential(s) do I get if I successfully complete the course?

AMSA requires the following for Certification as a Marine Engine Driver Grade 2:

- Achievement of MAR30818 Certificate III in Maritime Operations (Marine Engine Driver Grade 2 Near Coastal)
- An appropriate radio certificate of proficiency
- Completed AMSA Task Book and or Approved Sea Service
- AMSA approved first aid certificate

- AMSA final assessment (AMSA will contact you once all your paperwork is approved to book in a time for your final oral assessment - fees apply)

Participants are required to successfully complete 21 units of competency to be issued with a MAR30818 Certificate III in Maritime Operations (Marine Engine Driver Grade 2 Near Coastal), those units are made up of the 13 units from the Marine Engine Driver Grade 2 and 4 units from ESS course and 1 unit from the First Aid course. Units are listed below:

- MARB031 Maintain internal combustion engines, propulsion plant and auxiliary systems
- MARB032 Undertake basic maintenance of electrical systems
- MARC033 Complete engine room tasks
- MARC034 Maintain hull out of water
- MARC035 Operate and maintain extra low and low voltage electrical systems and equipment
- MARC036 Operate deck machinery
- MARC039 Operate marine internal combustion engines, and propulsion and auxiliary systems
- MARC040 Manage fuel systems
- MARC041 Operate and monitor marine internal combustion engines, propulsion plant and auxiliary systems
- MARC042 Operate electrical systems
- BSBWOR203 Work effectively with others

ESS units

- MARF027 Apply basic survival skills in the event of vessel abandonment
- MARF028 Follow procedures to minimise and fight fires on board a vessel
- MARF029 Meet work health and safety requirements
- MARF030 Survive at sea using survival craft

First Aid

- HLTAID003 Provide First Aid

For eligible Tasmanian residents, this training may be subsidised by the Department of State Growth, Tasmania.