

MED3- MAR20418 Certificate II in Maritime Operations (Marine Engine Driver Grade 3 Near Coastal)

Who is the qualification for?

This qualification is suitable for people who wish to work as a:

- Chief engineer on vessels with inboard engines with propulsion power up to 500 kilowatts within the exclusive economic zone (EEZ)
- Second engineer on vessels with inboard engines with propulsion power up to 750 kilowatts within the EEZ
- Chief or second engineer on vessels with outboard engines within the EEZ
- In the engine room of a vessel up to 80 metres long with propulsion power up to 3000 kilowatts

People who complete this course plus an Elements of Shipboard Safety Course and a First Aid Course will meet the Australian Maritime Safety Authority (AMSA) training requirement for a Marine Engine Driver 3 NC CoC.

Qualification requirements

There are no formal prerequisites for this qualification however the training is designed for participants with considerable experience in operating small vessels and who have the sea service time required for a Marine Engine Driver Grade 3 NC CoC.

More information about the Marine Engine Driver Grade 3 NC CoC, including sea service requirements, see the AMSA website www.amsa.gov.au or contact the SMT office.

How will I be trained and assessed?

SMT provides this training by working with participants to recognise and build on their existing skills and knowledge.

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

- written assessments of underpinning knowledge;
- simulated workplace activities outlined in an activity booklet; and
- demonstration of practical skills and knowledge

Participants who are seeking a Marine Engine Driver Grade 3 NC CoC must also undertake an AMSA mandated practical assessment (AMPA) which is incorporated into and completed during the course assessment by SMT.

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 long will the qualification take to complete?

The Marine Engine Driver Grade 3 Near Coastal qualification is usually completed over 14 workshop days, which consists of the 2 day ESS course, 2 day First Aid course and a 10-day MED3 course, all courses run from 9am to 5pm each day. The ESS and First aid courses are 2 separate courses to the MED3 course, which need to be enrolled into separately.

What sort of credentials do I get if I successfully complete the course?

To receive a MAR20418 Certificate II in Maritime Operations (Marine Engine Driver Grade 3 Near Coastal), you will be required to complete 13 units of competency, those units are made up of 8 units from the MED 3 course, 4 units from the ESS course and 1 from the First Aid course which are all listed below:

- MARB028 Service marine internal combustion engines, and propulsion and auxiliary 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

- MARJ006 Follow environmental work practices
- BSBWOR203 Work effectively with others
- MARF027 Apply basic survival skills in the event of a vessel abandonment
- MARF028 Follow procedures to minimise and fight fires on board a vessel
- MARF030 Survive at sea using survival craft
- MARF029 Meet work health and safety requirement
- HLTAID003 Provide First Aid

AMSA Mandated Practical Assessment (AMPA) and Interim Certificate of Competency (ICoC)

As part of its assessment process, SMT will complete an AMPA on each participant for the units completed as part of the course. Completed AMPA's are a requirement of AMSA and are submitted to AMSA with your completed AMSA application paperwork.

SMT can issue an Interim Certificate of Competency (ICoC) to participants who have successfully completed the courses for a Marine Engine Driver Grade 3 NC, have been issued with the qualification, have met all of the evidence and sea time requirements of AMSA and have all fees paid.

The following AMSA paperwork and evidence is required to be completed by the participant and submitted to SMT a minimum of 1 week prior to the commencement of the course:

- AMSA 426 Certificate of Competency Application which incorporates the Sea Service and Medical Declaration
- AMSA 542 Eyesight test certificate (must be completed by an optometrist)
- AMSA 771 Sea service record
- Proof of identity which includes a Passport or a driver's licence and birth certificate
- Current photo (SMT will take your photo and verify it)
- Other attached evidence including a current first aid

Within 7 days of an ICoC being issued, SMT will lodge all completed paperwork to AMSA on your behalf. If you do not have all your paperwork completed prior to the commencement of your course, SMT will still lodge your application paperwork to AMSA but you may not be eligible for an ICoC.

For eligible Tasmanian residents, this training is subsidised by the Department of State Growth, Tasmania