

THE NATIONAL SEAFOOD INDUSTRY TRAINING PACKAGE SFI 00 INCORPORATING
CERTIFICATE OF COMPETENCY AS
Marine Engine Driver (Motor) Grade 2
MED II

The Northern Territory Marine Act places certain certification requirements upon persons wishing to take charge of the propulsion machinery on a seagoing vessel operating in Northern Territory Waters.

All enquiries regarding applications and eligibility for persons wishing to apply for and/or undertake the examination for a Certificate of Competency as Marine Engine Driver (Motor) Grade 2 should be referred to the Marine Safety Branch, Dept of Infrastructure Planning & Environment on the 2nd floor, Energy House, 18 Cavenagh St., Darwin NT. Phone 08 89247100 or fax 08 89247009

The Certificate

The MED 2 certificate of competency allows the holder:

to take charge of the propulsion machinery on a seagoing vessel:

- of less than 500 kw operating OFFSHORE
- of less than 750 kw operating INSHORE

to be second in charge of the machinery on a seagoing vessel:

- of less than 1500 kw operating OFFSHORE

OFFSHORE means within a limit of 200 nautical miles to seaward.

INSHORE means within a limit of 15 nautical miles to seaward.

Participants will be familiarised with the requirement of the examinations conducted by Marine Safety Branch. Participants are expected to already be proficient in Engineering duties as prescribed in the sea time assessment rules by Marine Safety Branch.

NOTE: THIS IS NOT A COURSE OR TRAINING PROGRAM. IT IS DESIGNED TO PREPARE CANDIDATES FOR THE MARINE QUALIFICATION (COC) ISSUED BY THE NT MARINE SAFETY AGENCY. CANDIDATES WHO QUALIFY FOR EXAMINATIONS ARE EXPECTED TO ALREADY HAVE MARINE ENGINEERING KNOWLEDGE, SKILLS AND APPLICATION ADUCED FROM THE RELEVANT SEA-TIME ASSESSMENT.

This preparatory program is not suitable for beginners and those without previous work experience with vessel's machineries.

Prerequisites

Documentary evidence of approved service in an engineering capacity on vessels of not less than 150kw propulsion power must be presented to and assessed by Marine Safety Branch for assessment. This assessment is essential to determine your eligibility.

Below are guidelines ONLY to approved service periods:

- No previous training 12 months
- Approved Trade Certificate 3 months
- MED 3 6 months

Materials Required:

- Drawing instruments including -
 - 1 x pair drawing compasses
 - 1 x ruler
- 1 x eraser
- 2B pencil(s) plus sharpener
- Blue or black biro/pen
- 1 x note book
- 1 x calculator (non programmable)

Recommended or Suggested References:

- Student Learning Guide & Assessment Guide
631 Marine Diesel Operations (MED II)
 - Student Learning Guide & Assessment Guide
632 Marine Auxiliary Equipment & Systems operation (MED II)
 - Student Learning Guide & Assessment Guide
633 Marine Engineering Operational Procedures & Safety (MED II)
- Enquiry: Darwin Shipstores Bldg., Fisherman's Wharf, Frances Bay Drive, NT. Ph: 8981 7322**

Proposed Timetable (Subject to change according to required syllabus):

Week 1

Time	Mon	Tues	Wed	Thurs	Fri	Sat
0830	Introduction Marine internal combustion engines MR2701A	Steering gears, emergency steering, hydraulic systems onboard a vessel MR2801A	Oil and grease lubrication MR2701A MR2801A MEM 18.1AB MEM 18.2AA	Electrical Systems and Batteries MR2901A	LP gas and liquid fuels & refuelling gases Precautions against fire and explosion MR5402A	Revision as required
1200	LUNCH					
1700	Cooling systems Pumps, bilge, seawater piping systems MR2801A	Fuel tanks Operate & Manage fuel oil systems. Fuel storage and handling systems MR5402A MU502A	REVISION	Electrical Systems and Batteries. Calculate voltage, amp, resistance, watts MR2901A	Assessment (Supervised Written Test)	
ASSIGNMENTS						

Week 2

Time	Mon	Tues	Wed	Thurs	Fri	Sat
0830	Items for inspection on slipway, dry dock MB1901A	Preparing for sea. Securing vessel after voyage MB2901A	Methods of propulsion reversal	Calculations dealing with consumption of fuel MF4001A	Assessment (Supervised Written Test)	Revision as required
1200	LUNCH					
1700	Maintenance and recognition of deterioration of various items MB2901A	Work Team Communication ME101A ML201A Marine pollution prevention MU502A	Operation of water jet propulsion unit Outboard Motor MF2701A	Electrical Systems 240V 440V Safety MR2901A	Oral Examination Preparation for COC	
ASSIGNMENTS						

Certificate III in Seafood Industry (Fishing Operations - Marine Engine Driver II) SFI32204 Units of Competency

- TDMMB1901A Carry out basic hull servicing
- TDMMB2901A Recognise & correct deteriorated fittings & machinery in small domestic vessel
- TDMME101A Understand orders & be understood in relation to shipboard orders
- TDMMF2700A Prevent, control & fight fires on board a small vessel
- TDMMF4001A Carry out basic operational engineering calculations
- TDMML201A Contribute to effective human relationship on board a vessel
- TDMMR1901A Safely handle & stow explosive & flammable materials
- TDMMR2701A Operate & maintain marine internal combustion engines on vessels of 750KW propulsion power or less
- TDMMR2801A Operate & maintain auxiliary systems on vessels up to 750KW propulsion power
- TDMMR2901A Operate & maintain marine low & medium voltage electrical systems
- TDMMR5402A Carry out refuelling & fuel transfer operations
- TDMMU502A Ensure compliance with environmental considerations
- MEM 18.1AB Use hand tools
- MEM 18.2AA Use power tools/hand held operations

Seafood & Maritime Industries Training Ltd - MED II Tutorial
Errors & Omissions Exempt

Certificate of Competency as Marine Engine Driver (Motor) Grade 2 - MED II

Industry and individuals have indicated a need for MED 2 - Marine Engine Driver (Motor) Grade II Certificate of Competency (licence). This program complies with Units of Competency specified within Certificate III in Seafood Industry (Fishing Operations – Marine Engine Drive II) SFI32204.

This is not a government funded course therefore a minimum fee for service is applied. As a result there needs to be enough guaranteed participants for delivery to be financially feasible. (minimum of 6 people)

VENUE:	Seafood & Maritime Industries Training Centre, Level 1 Darwin Shipstores Bldg, Fisherman's Wharf, Darwin.
COST:	\$1100.00 fee for service. (excludes Elements of Shipboard Safety and Government assessment fees)
DURATION:	10 days full-time from 0800 to 1600hrs
EXAMINATIONS:	Marine Safety Branch Examinations by appointment
RECOGNITION:	Nationally Recognised Marine Qualification by State & Territory marine jurisdictions.

**ALL FEES MUST BE PAID IN FULL BEFORE THE COURSE IS COMMENCED;
EXAM RESULTS/CERTIFICATES WILL NOT BE RELEASED TO MARINE SAFETY
BRANCH/ISSUED UNLESS FEES ARE PAID IN FULL.**

Cancellation Fees Apply - \$25 (More than 1 week notice) - \$50 (Less than 1 week notice)
Fees Subject to Change without notice

**WE ACCEPT CASH, CHEQUIE OR CREDIT CARD FOR TUITION FEE. PLEASE
NOTE PAYMENT MADE BY CREDIT CARD WILL INCUR 1.7% BANK
TRANSACTION FEE. THANK YOU.**

SMIT IS AN EQUAL OPPORTUNITY ORGANISATION

This organisation is not responsible for any errors, omissions or exemptions. All candidates/Students are to seek final certification of Governmental requirement/regulations from Marine Safety Branch/DIPE.