

# MARC043

Transmit and receive information by marine radio

# MARC044

Transmit and receive information by marine VHF radio

## Course Guide



SEAFOOD & MARITIME  
**SMIT**  
INDUSTRIES TRAINING



## SUMMARY OF OCCUPATION

Both courses are designed for marine radio operators on Australian vessels which are fitted with marine telephony or marine radiotelephony which is either High Frequency (HF) or Very High Frequency (VHF), or Inmarsat satellite communications. Likewise, if you wish to apply for a Certificate of Competency from the Australian Maritime Safety Authority (AMSA), you should obtain an LROCP Certificate (MARC043) which incorporates knowledge of both HF and VHF radios, designed for long range transmission; or a SROCP Certificate (MARC044) that allows you to operate VHF radios, designed for short range transmission.

## WORKING CONDITIONS

Marine radio operators could be working on ship stations or commercial vessels or even at coast stations. They could also be operating small recreational vessels in harbours and bays or staying near the coast. They should have good knowledge of distress and safety procedures, how to respond to an emergency call and the messages conveyed are understood and others know how to respond.

## EDUCATION AND TRAINING

The National Standard for Commercial Vessels Part D, Crew Competencies requires that you hold either a Marine radio operators VHF certificate of proficiency (SROCP) or a Marine radio operators' certificate of proficiency (LROCP) depending on the certificate of competency you apply for. You can complete both courses through Seafood and Maritime Industries Training which is a recognised provider and assessor by AMSA. SMIT Trainers are qualified invigilators and they will supervise your written examination and conduct a practical assessment. Your examination will be mailed to the Office of Marine Communications at the Australian Maritime College (AMC) for marking and issuance of the Certificate.

## TOOLS AND TECHNOLOGY

In this course, you will acquire the knowledge of HF and VHF marine radios, identify the difference between ship stations, coast radio stations and limited coast stations, understand and use the 'Phonetic Alphabet', understand distress, urgency and safety communications, understand the use of EPIRB, SART and Search and Rescue in Australia. You will also be able to identify the different type of radio equipment, their applications and limitations as well as having the knowledge on the care and maintenance required with radio equipment.

## ENTRY REQUIREMENTS

There are no entry requirements for this qualification. However, it is expected that students will have appropriate language, literacy and numeracy skills to complete the training and assessment requirements. Prior to commencing this course, students will participate in a language, literacy and numeracy (LLN) assessment however, students who can provide evidence of completing an Australian Certificate II or higher-level qualification will not need to sit the test.

SMIT's LLN assessment levels are based on the Australian Core Skills Framework (ACSF) in the skills of:

- Reading Level 3
- Writing Level 2 to 3
- Oral Communication Level 2 to 3
- Numeracy Level 2.

## LICENSING/REGULATORY INFORMATION

Legislative and regulatory requirements are applicable to both units. The Radiocommunications Act 1992 (the Radcomm Act), through the Radiocommunications Licence Conditions (Maritime Ship Licence) Determination 2015, requires that operators of VHF maritime ship stations are appropriately qualified to operate the stations. This means that operators are required to hold a relevant Australian Maritime Radio Operator's Certificate of Proficiency or an equivalent overseas qualification.

The Australian Maritime College (AMC) acts as the Australian Communications and Media Authority (ACMA) delegate in providing marine radio certificate services under the Radcomm Act, including the issue of both LROCP and SROCP. Operators who have attained a Statement of Attainment from a Registered Training Organisation (RTO) for this unit of competency can apply to the AMC for the issue of either LROCP or SROCP without the need to sit a further examination. Either unit is one of the requirements to obtain AMSA certification as defined in the National Standard for Commercial Vessels (NSCV) Part D.

## UNIT DESCRIPTION

The MARC043 unit involves the skills and knowledge required to:

- transmit and receive information by marine radio, including using marine very high frequency (VHF) and high frequency (HF) radio according to regulations
- carry out user maintenance and fault-finding procedures on radio equipment and power supplies
- operate emergency position indicating radio beacons (EPIRBs), search and rescue radar transponders (SARTs), automatic identification system search and rescue transmitters (AIS-SARTs), AIS man overboard (AIS-MOB) devices and digital selective calling MOB (DSC-MOB) devices.

The MARC043 unit applies to people working in the maritime industry in the capacity of:

- master on commercial vessels <80 m in length within the exclusive economic zone (EEZ) or
- chief mate or deck watchkeeper on a vessel <80 m in length within the EEZ.

The MARC044 unit involves the skills and knowledge required to:

- transmit and receive information by marine very high frequency (VHF) radio according to regulations
- carry out user-maintenance and fault-finding procedures on radio equipment and power supplies
- operate emergency position indicating radio beacons (EPIRBs), search and rescue radar transponders (SARTs), automatic identification system search and rescue transmitters (AIS-SARTs), AIS man overboard (AIS-MOB) device, and digital selective calling MOB (DSC-MOB) device.

The MARC044 unit applies to people working in the maritime industry in the capacity of:

- coxswain on vessels <12 m in length with propulsion power that is unlimited for an outboard engine or <500 kW for an inboard engine operating in inshore or designated waters or
- coxswain on tenders or auxiliary vessels <12 m in length operating within 3 nautical miles (nm) of a parent vessel within the exclusive economic zone (EEZ).

## COURSE DURATION AND DELIVERY METHOD

Face to face contact hours of two days for LROCP and one day for SROCP. This will include theory and practical assessment. There is a requirement to do homework throughout and at the end of this course.

## SMIT SUPPORT

We pride ourselves on our friendly and approachable Training and Administration Staff. Everyone working at SMIT is more than happy to help with your queries or concerns. Extra mentoring help is available upon request.

## FEES AND PAYMENT TERMS & CONDITIONS

- A deposit of \$200.00 is required before the first day of the course.
- Full payment of course fees is required before or on commencement of the course.
- Under certain circumstances, SMIT staff will discuss and agree on a payment plan with the student.
- A Qualification Certificate, AMSA Mandated Practical Assessment or Interim Certificate of Competency will not be issued until the full fees have been paid.
- Please check with Administration staff to see if you are eligible for a Northern Territory Government funded place. (Please note this is available to Northern Territory residents only). SMIT adjusts prices occasionally so please check on enrolment.
- When an employer is paying for the student to complete a course, a Purchase Order is required by the employer before course commencement. A deposit is not required.
- An invoice for payment will be issued to the employer at the commencement of a course. Payment terms are 14 days.
- Fees may be paid by Credit Card at the reception or over the phone, by cash or by Bank Transfer.
- **Bendigo Bank details: Account Name: SMIT; BSB 633000; Account Number: 167536564**

**SMIT reserves the right to cancel a course if the numbers do not meet the minimum requirement to commence the program.**

## WHAT TO BRING

**Identification:** A current Australian Driver's License or Passport.

**For the Classroom:** A passport-sized photo.

**Meals:** Please bring your own lunch or use a cafe nearby. Coffee, tea and biscuits are supplied.

## ENROLMENT PROCESS

The enrolment form can be downloaded from SMIT's website, completed electronically and then emailed to [admin@smit.com.au](mailto:admin@smit.com.au). Forms are also available at reception. To secure your place in this qualification we ask that your enrolment form and payment/deposit are submitted to SMIT before the commencement of the course.

Seafood and Maritime Industries training is proudly supported by:



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**SMIT**   
**INDUSTRIES TRAINING**

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