

# LONG RANGE OPERATOR CERTIFICATE OF PROFICIENCY WITH MARINE SATELLITE COMMUNICATIONS ENDORSEMENT

COURSE ALSO KNOWN AS:  
LROCP, SATCOM

Gain the radio operator's Certificate of Proficiency required by Masters on vessels less than 35m meters plus the MSCE endorsement needed by anyone who sails on a vessel with INMARSAT equipment.

With an LROCP qualification you can operate both VHF marine radiotelephony equipment and MF/HF marine telephony equipment. AMC Search also offers the MSCE endorsement, which is required by anyone who sails on a vessel with INMARSAT equipment.

The course is delivered using a full GMDSS simulator for hands-on experience using satellite equipment to broadcast to stations around Australia and the globe.

The simulator is used for practical exercises including automated distress calls and communicating with shore stations. It also exposes students to different equipment, from legacy systems to modern touch screens.

## WHO SHOULD PARTICIPATE?

Masters on vessels less than 35m meters as well as anyone who sails on a vessel with INMARSAT equipment.

The course is ideally suited to participants in the annual Sydney Hobart Yacht race as all those on-board will require both qualifications.

## CERTIFICATION

The following certificates will be issued by the Office of Maritime Communications at the Australian Maritime College, who is responsible for the management of all functions associated with marine radio examinations and certification services in Australia:

- Long Range Operator Certificate of Proficiency (LROCP)
- Marine Satellite Communications Endorsement (MSCE or SATCOM)

## COURSE OUTLINE

Long Range Operator Certificate (LROCP) participants will be required to:

- Demonstrate a practical knowledge of GMDSS sub-systems and equipment which is appropriate to vessels operating in Australian waters on which a radio installation is not compulsory under international agreements. Specifically, MF/HF and VHF radio telephony equipment with digital selective calling (DSC) facilities, and emergency position indicating radio beacons of the 406 MHz and 121.5/243 MHz type.
- Demonstrate an ability to use MF/HF and VHF radio telephony and digital selective calling (DSC) operating procedures, particularly those relating to distress, urgency and safety.
- Demonstrate an understanding of simple maintenance practices required to keep the marine radio equipment specified in (1) in good working order, including the repair of minor faults.
- Demonstrate an understanding of the regulations applicable to ship stations equipped with radio telephony and digital selective calling facilities.



**DURATION:** 2 days

### NO COURSE OPTIONS CURRENTLY AVAILABLE

We do not currently have any scheduled openings for this course.

To express interest, please [contact us](#).

## RELATED COURSES

[GMDSS Communications](#)

[GMDSS Renewal](#)

[Vessel Traffic Services \(VTS\) Operator \(C0103-1\)](#)

- Demonstrate a basic knowledge of the Australian marine search and rescue system.
- Demonstrate a practical knowledge of marine radio operations and equipment.

Marine Satellite Communications Endorsement (MSCE) participants will be required to develop an understanding of:

- The concepts underlying the Inmarsat satellite system, including location of satellites, global coverage, ocean regions, network coordination and control stations and land earth stations.
- The worldwide rescue coordination centre (RCC) network and automatic routing of distress messages.

Participants will be required to develop a detailed knowledge of:

- Transmission and reception of distress alerts.
- The procedures to be used should a false distress alert be inadvertently transmitted.
- Transmission and reception of priority alerts.
- The Enhanced Group Calling system for reception of Maritime Safety Information.

Participants will be required to develop knowledge of:

- The functionality of Inmarsat C and Fleet 77 equipment.
- Antenna stabilisation and shadows.
- The messaging facilities provided by Inmarsat C.
- Logging-in and logging-out of Inmarsat C.
- Two digit code safety services.
- Interfacing with navigational equipment and manual position updating of Inmarsat C.
- Authorised users of SafetyNET.
- How to perform testing of equipment to ensure functionality of Inmarsat C equipment.
- Radiation hazards associated with Inmarsat equipment installations.
- Demonstrate a practical knowledge of marine radio operations and equipment.

## COVID-19 VACCINATION

AMC Search (AMCS) is operating a COVID-Safe campus aligned with the protocols and procedures established by the University of Tasmania. The safety and wellbeing of staff, students and the broader community is an absolute priority for the University of Tasmania.

We strongly encourage everyone to remain up to date with their COVID-19 vaccinations but no longer require our students to be vaccinated to come to our university campuses, facilities or events.

## PAYMENT OPTIONS

Payment methods accepted:

- Register now and pay later (payment required 15 days before the course starts)
- Credit Card (online or via (03) 6324-9850)
- Bank Deposit
- Company sponsorship.

Detailed payment options are available [here](#).

## REGISTRATION TERMS

Face to face courses

Cancellations up to 15 working days prior to the scheduled date will be accepted without penalty. Cancellations less than 15 working days will be subject to 100% cancellation fee.

AMC Search reserves the right to cancel the course 15 working days prior to the scheduled date if insufficient registrations are received. Any fees paid for cancelled courses will be refunded in full.

When making flight bookings please ensure you book on a fully refundable basis.

#### Online courses

Payment of course fees, or authorisation to invoice from your company, is required before access to the online learning environment is provided. Please note, it will take between 2-4 business days to provide your access to the online course if you have not studied previously with AMC Search, the Australian Maritime College or the University of Tasmania.

### COURSE FEE INCLUDES

Includes all Office of Maritime Communications fees for issuing certificates.

### ASSESSMENT INFORMATION

#### LRCOP

The examination consists of a 50 multi-choice question paper (duration 1 hour with a 70% pass mark) and a practical component.

#### Marine Satellite Communications Endorsement (MSCE)

The MSCE qualification consists of a 25 multi-choice question paper (duration 30 minutes with a 70% pass mark) examination and a practical component.

#### LAUNCESTON, TAS

Location: Australian Maritime College, Newnham Drive, Newnham, Launceston, Tasmania.

Airport Transfers: Participants arriving at Launceston Airport should make their way to the Australian Maritime College, Newnham Drive, Newnham. Taxi fare from the airport is approximately \$55.00.

Parking: Complimentary car parking is provided on campus in areas designated to AMC Search participants and clients.

Launceston Accommodation: On-campus accommodation in Launceston can be reserved via the online enrollment form. Further accommodation information is available [here](#), together with off-campus options.

### NORFOLK HALL ON-CAMPUS ACCOMMODATION

We offer affordable on-campus accommodation that's ideal if you're taking part in a course at our campus in Launceston, Tasmania.

[Norfolk Hall](#) offers Motel Style accommodation for \$100 per night (bed only). On-campus accommodation in Launceston can be reserved via the online enrolment form.

Norfolk Hall is situated on the main campus of the Australian Maritime College at Newnham, Launceston, which is where most of our courses take place.

Accommodation at Norfolk Hall provides the following facilities:

- Queen size beds
- En-suite facilities
- Television
- Fridge
- Rooms serviced daily (excluding weekends)

Affordable meals are available at the on-site AMC Cafeteria.

You can reserve a room when you register for your course or via email [AMCS.courses@utas.edu.au](mailto:AMCS.courses@utas.edu.au) or telephone: +61 3 6324 9850.