



Yacht Communications, Radar & Safety

Introduction to SSB & Satellite

Long Range Communications

This 1 day non-certificated course is aimed at offshore yachtsmen who require background knowledge of SSB & satellite communications. This course gives a general introduction to both SSB and satellite communications including the services, equipment, and technology that is available. Instruction will be given in the use of equipment and students will be able to use the equipment.

The course is supported by a comprehensive set of course notes covering all related subjects which will be given out at the start of the course.

Students will learn: -

- How to operate and install an SSB transceiver
- MF/HF propagation and frequencies
- How to receive emails, weather fax and other services
- Basic understanding of satellite communications

Topics covered: -

- Regulations & procedures.
 - Ships licence and operator's certificate
- General SSB knowledge and MF/HF propagation
 - Capabilities and limitations of SSB communications.
- Use of SSB MF/HF equipment in practice
 - Features and functions, based on ICOM IC-M801E SSB transceiver
 - Antennae, automatic tuner units, power requirement
- Types of information you can receive
 - MF/HF marine frequencies and services
 - SSB radio telephone
 - Email - how to send and receive email on your SSB radio
 - Amateur Radio - how you obtain an amateur licence
 - Aeronautical weather information
 - Short-wave Broadcast stations
 - Weather-FAX - what you need to receive them
- Satellite communications, Inmarsat & satellite phones