



## Course O3b002

# MARITIME SYSTEMS TRAINING

The course is designed to enable an experienced Stabilised Antenna Installation engineer to locally maintain and troubleshoot an SES Networks Maritime Antenna Terminal. The course includes an introduction to the O3b MEO system fundamentals and the unique requirements of a Stabilised Antenna system. A significant part of the training will include a practical hands-on approach to terminal maintenance. Students will construct, configure, and test the terminal prior to focusing on a multitude of component replacement procedures. During the build and throughout the practical sessions students will be coached on troubleshooting techniques in order to identify fault conditions.

- Day 1: MEO System fundamentals, overview of maritime systems, equipment above and below decks, equipment interconnections, stabilisation and tracking, and a software overview.
- Day 2: Hands-on practical sessions including installation, commissioning, operation, parts identification, logger and troubleshooting techniques.
- Day 3: Explanation of the SES Networks Constellation, detailed equipment descriptions, hands-on system operation, system functionality, satellite handovers, description of SDB files, Troubleshooting and system recovery. Course review and certification.

### Learning objectives

At the end of the course the student will be able to:

- Perform Level-1 onsite troubleshooting
- Replace system components at a live antenna terminal
- Initialise and configure replaced components

### Audience

Field Technicians performing both corrective and preventive maintenance on the Orbit Antenna Terminal.

### Course Number

O3b002

### Course Title

Maritime Systems Training

### Duration

3 days, Monday to Wednesday from 09.00am – 16.30pm

### Pre-requisite Training

O3b732, GVF500, GVF510, GVF520, GVF521, GVF561 or equivalent and a minimum of two years' experience of Stabilised Antenna Installation

### Location

Manassas, VA, USA  
or alternate locations  
by arrangement.

# SES NETWORKS TRAINING COURSES AVAILABLE

Explore new frontiers in learning to gain the technical skills and hands-on experience you need to thrive. Customers, partners, employees, and authorised professionals can take online and instructor-led courses taught by SES Networks technical experts. Students get practical, hands-on learning experiences to help them construct, troubleshoot, repair, and monitor and manage satellite ground systems and related network components for optimum network performance and uptime.

## SES Networks Ground Systems

- O3b001: Tier-2 GD Field Level Practices
- O3b002: Maritime Systems Training
- O3b003: AvL Installation & Commissioning
- O3b004: ViaSat Tier-2 Operations & Maintenance

## SES Networks Online Training

- O3b731: Introduction to SES Networks
- O3b732: Advanced System Fundamentals
- O3b733: Fixed Terminal Site Survey

## GVF Courses

- GVF500: Introduction to Satellite Communications
- GVF510: Core Skills for VSAT Professionals
- GVF520: Satcom Fundamentals
- GVF521: Practical Techniques for VSAT Professionals
- GVF561: Fundamentals for Marine VSAT Operators

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