



Course O3b001

TIER-2 FIELD LEVEL PRACTICES

The course is designed to enable an experienced VSAT installation engineer to locally maintain and troubleshoot a Tier-2 General Dynamics SES Networks Antenna Terminal. The course starts with an introduction to the O3b MEO system fundamentals followed by a hands-on practical 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 and in particular how to use the Smart Terminal in order to identify fault conditions.

- Day 1: MEO System fundamentals, component inspection and inventory, antenna construction including the lower positioner, latitude beam alignment, heading alignment, and upper positioner.
- Day 2: Antenna indoor system build, introduction to the Antenna Control Unit (ACU) GUI, ACU configuration, antenna calibration, noise floor measurement, antenna operation, manual commands, and introduction to the RMP.
- Day 3: Field Level Maintenance Component replacement procedures, Indoor equipment setup and configuration, antenna build practice, troubleshooting common installation issues, theory examination. Course review and certification.

Learning objectives

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

- Perform onsite troubleshooting through the Smart Terminal
- Replace system components at a live antenna terminal
- Initialise and configure replaced components

Audience

Field Technicians responsible for performing both corrective and preventive maintenance on the General Dynamics Tier-2 Antenna Terminal.

Course Number

O3b001

Course Title

Tier-2 Field Level Practices

Duration

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

Pre-requisite Training

GVF500, GVF510, GVF520, GVF521 or equivalent and a minimum of two years' experience of VSAT 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