

Customers Education Services Training Catalogue

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Gilat Customer Education Services Overview

Gilat Customer Educational Services (CES) department enables you to make the most of your Gilat products, offering focused, cost-effective training programs to help you successfully design, configure, operate, and manage your network. Gilat structured learning approach has been developed to meet the needs of different audience types.

Gilat courses include a blend of presentations, discussions, and hands-on exercises, designed to enable students to acquire new skills and knowledge in an instructor-facilitated environment, featuring the most updated software and hardware. Courses are updated continually, keeping pace with new product designs and technology.

Our highly skilled engineers, all of whom are professional educators with a rich background in training techniques and methodology, run Gilat CES department. Standard Gilat courses include:

- **VSAT Installation & Antenna Pointing**, which provides hands-on experience in installing and maintaining remote VSATs and antennas.
- **Hub Operations**, which guides Tier-1 and Tier-2 support personnel through system theory, architecture, dataflow, installation, operation and basic troubleshooting and maintenance procedures.
- **Advanced Hub Operations and Troubleshooting**, which enhances the skill set of Tier-2 and Tier-3 support personnel, who perform high-level network diagnostics and troubleshooting. The course provides the participants with deeper understanding of Gilat products and analysis tools and sharpens the troubleshooting technics of the students.
- **Sizing**, which guides personnel in how to perform the necessary calculations for system sizing, from simple to more complex sizing scenarios, using practical cases.
- **Mobility**, which teaches all about mobility operations. VASTs on the move or on the pause. Learning about NMS maps with different mobility contours and beam switching.
- **E-learning Academy**, which includes a selection of courses developed for use online, available on [Gilat' e-Learning Academy](#) web site.

In addition to standard courses, Gilat can customize course study according to customers' specific operations and personnel requirements.

Please review the Gilat courses in this document. If you have any questions, please contact Gilat Customer Educational Services: ces@gilat.com.

1 SkyEdge II-C Xhub Basic Operations

Course Name: SkyEdge II-c X-Architecture Hub Operations

Course Code: PSTRSEIIcX01, PSTRSEIIcX02

Prerequisites: NET 101 or previous networking experience

Duration: Five (5) days

Enrollment: Ten (10), maximum

Locations:

- Gilat Customer Educational Centers:
 - Petach Tikvah, Israel
 - Bangkok, Thailand
- Customer site (non-commercial hub only)

Course Overview:

The Gilat SkyEdge II-c X-Architecture Hub Operations course is aimed at Tier-1 and Tier-2 Hub operators who will be operating and maintaining the SkyEdge II-c X-Architecture Hub and remote VSATs. This course introduces the theoretical, operational, and practical aspects of the SkyEdge II-c X-Architecture system. It includes hands-on workshops and exercises, enabling participants to practice basic configuration of the Gilat system/equipment and to perform basic troubleshooting.

Note: Participants should enroll in a scheduled course just prior to Hub installation.

Course Objectives: Upon completing the course, participants will be able to:

- Describe system components and associated functions
- Describe system Data Flow
- Identify Hub components
- Install, configure and troubleshoot a VSAT
- Describe TotalNMS architecture and the functions
- Add/delete/modify/manage VSAT Groups and VSATs
- Create/copy/modify component configurations
- Analyze TotalNMS alarms and events
- Backup and restore TotalNMS database parameters
- Perform daily and periodic Hub maintenance procedures
- Describe and perform basic configurations of common features¹:
 - NMS Basic Usage
 - MG & VSAT creation
 - SLA Profiles
 - Classification Profiles
 - Users management
 - Monitoring

¹ According to features implemented at customer's network.

2 SkyEdge II-C xHUB Advanced Operations & Troubleshoot

Course Name: SkyEdgeIIc Advanced xHub Operations and Troubleshooting Course

Course Code: PSTRSEIIc04, PSTRSEIIc05

Prerequisites: Participants must first complete the x-Hub Basic Operations course **or** successfully pass the Gilat SkyEdge II-c xHub Operations Certification Exam

Duration: Five (5) days

Enrollment: Ten (10), maximum

Locations:

- Gilat Customer Educational Centers:
 - Petach Tikva, Israel
- Customer site (non-commercial hub only)

Course Overview:

The SkyEdge II-c Advanced X-Hub Operations and Troubleshooting course is aimed at field service engineers and experienced X-Hub operators who provide Tier-2 and Tier-3 system support and operate and maintain the SkyEdge II-c X-Hub and Remote VSATs. This course introduces the detailed theoretical, operational, and practical aspects of the SkyEdge II-c system. Participants will gain thorough knowledge of the system architecture and will gain experience in the system troubleshooting.

Course participants will receive background information about Gilat system troubleshooting methodology and will learn how to use common analysis and technical engineering tools. They will also learn how to identify performance degradation and how to evaluate and repair system failures. The course includes hands-on workshops and exercises, enabling participants to practice configuration of Gilat system/equipment and to perform system troubleshooting and monitoring.

Course Objectives:

Upon completing the course, participants will be able to:

- Describe system architecture, features, system components and associated functions
- Identify X-Hub components
- Explain attributes of the GILAT LDPC Inbound access schemes
- Describe DVB-S2X GILAT implementations' essential attributes
- Describe SkyEdge II-c X-Hub System Architecture
- Analyze the network performance using TotalNMS monitoring tools
- Analyze NMS alarms and events
- Monitor the LAN traffic using a sniffer
- Perform Basic RF Analytics
- Perform management and maintenance procedures of NMS and NSC
- Describe and implement the troubleshooting methodology
- Effectively communicate with Gilat Technical Support

3 SkyEdge II-C xHUB VSAT and Antenna Installers

Course Name: SkyEdge II-c VSAT and Antenna Installers

Course Code: PSTRSEIIc012

Prerequisites/Required Skills:

Previous work experience in VHF/UHF Land-Mobile, cellular, TVRO, terrestrial microwave antenna installations or other RF-related fields is advantageous but not required.

Duration: Two (2) days

Enrollment: Ten (10), maximum

Location: Customer site

Course Overview:

This course is aimed at technicians who will be installing and/or maintaining remote VSATs.

Note: If VSAT installation is handled by subcontractors, it is highly recommended that they participate in this course as well.

Course Objectives:

Upon completing this course, students will be able to successfully:

- Explain network architecture and basic theory of the VSAT operation
- Have a fundamental understanding of basic satellite communications as well as relevant satellite and RF terminology/acronyms
- Describe satellite-based network advantages and disadvantages, compared to alternative broadband technologies
- Illustrate basic Inbound and Outbound dataflow
- List and describe ODU subcomponents
- Explain IDU features, relevant LEDs and displayed LCD parameters
- Demonstrate VSAT configuration procedures
- List and describe all the steps involved in the commissioning process
- Determine the best suitable antenna mount for various installations
- Assemble all ODU/feed assembly components
- Assemble, install and point antenna for optimum performance,
- Prepare IFL cables and connectors using a crimp/cutter tool for RG-6 and RG-11 coax
- Weatherproof RF connectors using MOCAPTTM or COAXSEALTM
- Calculate the look angle for a given location
- Point the VSAT antenna using a DVB-capable spectrum analyzer or field strength meter
- Configure a PC with the required network parameters
- Test and troubleshoot VSAT/network integrity using basic networking commands to verify that the installation was successful

4 SkyEdge II-C xHUB Sizing Course

Course Name: SkyEdgeIIc xHub Sizing Course

Course Code: PSTRSEIIc07, PSTRSEIIc08

Prerequisites:

- Participants must first complete the SkyEdge II-c Hub Operations course
- At least one year's experience working with VSAT systems
- Basic knowledge of Microsoft Excel
- Some background in math and algebra

Duration: Three (3) days

Enrollment: Ten (10), maximum

Locations:

- Gilat Customer Educational Centers:
 - Bangkok, Thailand
 - Petach Tikva, Israel
- Customer site

Course Overview:

This course teaches how to perform the necessary calculations for system sizing.

The training progresses from simple to more complex sizing scenarios, using practical cases. It also provides the tools to understand different aspects of the SkyEdge II-c system and its current capabilities. Participants gain the skills to handle sizing tools and related items, such as frequency planning. In addition, the course explains the need to reformulate link budgeting to ensure optimization.

Course Objectives:

Upon completing this course, participants will be able to:

- Calculate Forward bandwidth and all other characteristics, given specific requirements
- Make knowledgeable decisions about the entire Return mechanism, bandwidth, frequencies and schemes
- Describe the Link Budget considerations and its relation to Sizing
- Evaluate system for scenarios involving single/multiple applications
- Evaluate the benefit of adopting system enhancements
- Understand consequences of modifying system parameters
- Gain proficiency with sizing tools and spreadsheets

5 SkyEdge II-C xHUB Mobility Operations

Course Name: SkyEdge II-c X-Architecture Mobility Operations

Course Code: PSTRSEIIcM01, PSTRSEIIcM02

Prerequisites: NET 101 or previous networking experience

Duration: Three (3) days

Enrollment: Twelve (12), maximum

Locations:

- Gilat Customer Educational Centers:
 - Petach Tikvah, Israel
 - Bangkok, Thailand
- Customer site (non-commercial hub only)

Course Overview:

The Gilat SkyEdge II-c X-Architecture Mobility Operations course is aimed at Tier-1 and Tier-2 Hub operators who will be operating and maintaining the SkyEdge II-c X-Architecture Hub and remote Mobile VSATs. This course introduces the theoretical, operational, and practical aspects of the X-Architecture mobility operations. It includes hands-on workshops and exercises, enabling participants to practice basic configuration of the Gilat system/equipment and to perform basic troubleshooting of Hub Mobility contours and maps and VSATs on the move or on the pause.

Note: Participants should have some basic understanding of Hub Basic operations.

Course Objectives:

Upon completing the course, participants will be able to:

- Describe system components and associated functions of mobility operations
- Describe Mobile VSATs service activation
- Understand ACU and OpenAMIP protocol
- Install, configure and troubleshoot a Mobile VSAT
- Describe TotalNMS contours, maps, and mobility functions
- Add/delete/modify/manage VSAT Groups and mobile VSATs
- Describe and configure Beam Switchover functionality
- Perform daily and periodic Hub maintenance procedures
- Describe and perform basic configurations of common features²:
 - NMS Mobility Basic Usage
 - MG & VSAT creation
 - NMS Map usage
 - Contours creation and upload to NMS
 - Mobility profiles
 - Monitoring

² According to features implemented at customer's network.

6 SkyEdge II-C xHUB NMS Operations Course (VNO)

Course Name: SkyEdgellc VNO Operations

Course Code: PSTRSEIIc16, PSTRSEIIc17

Prerequisites: NET 101 or previous networking experience

Duration: Three (3) days

Enrollment: Ten (10), maximum

Locations:

- Gilat Customer Educational Centers:
 - Bangkok, Thailand
 - Petach Tikva, Israel
- Customer site (non-commercial hub only)

Course Overview:

The Gilat SkyEdge II-c VNO Operations course is aimed at Tier-1 and Tier-2 ISP or VNO operators who will be operating the SkyEdge II-c network and remote VSATs. This course introduces the theoretical, operational, and practical aspects of the SkyEdge II-c system. It includes hands-on workshops and exercises, enabling participants to practice basic configuration of the Gilat system and to perform basic VSAT troubleshooting.

Note: Participants should enroll in a scheduled course just prior to Hub installation.

Course Objectives:

Upon completing the course, participants will be able to:

- Describe the system operational concept
- Describe system Data Flow
- Register and Provision a VSAT in NMS
- Monitor VSAT Telemetries
- Describe NMS architecture and the functions
- Add/delete/modify/ Managed Groups and VSATs
- Analyze NMS alarms and events
- Use the NMS reports and telemetries to monitor the network
- Describe and perform basic configurations of common features³:
 - QoS
 - NMS Basic Usage
 - MG & VSAT creation
 - SLA Profiles
 - Classification Profiles
 - Monitoring

³ According to features implemented at customer's network.

7 SkyEdge II-C xHUB Customized Course

Course Name: SkyEdgellc xHub Customized Course

Course Code: PSTRSEIIC14, PSTRSEIIC15

Prerequisites:

- Participants must have completed the Hub Operations Course
- At least six months' working experience with SkyEdgellc system
- Strong background in basic networking, RF, and satellite communications fundamentals is an advantage

Duration: Customized

Enrollment: Ten (10), maximum

Locations:

- Gilat Customer Educational Centers:
 - Petach Tikva, Israel
- Customer site (non-commercial hub only)

Course Overview:

This course is aimed at field service engineers and Hub operators who will be providing Tier-2 and Tier-3 system support and who wish to be trained on the specific topics related to SkyEdge II-c system. Course participants will receive extensive background information on SkyEdge II-c supported technologies.

The course includes daily, hands-on workshops, enabling participants to practice system/equipment configurations.

This course is customized, enabling participants to select topics of interest from the training modules presented below, and to determine the length of the course.

Training Modules

The table below lists the available modules and their duration⁴:

⁴ Modules that don't appear in the table may be added as well according to customer request.

Training Module	Description	Duration (Days)	Notes
Hub Architecture Refresher	Refresh and extend your knowledge of the system introduction, architecture and working modes as a basis for the rest of the course.	1	Mandatory
System Analysis & Monitoring	Perform system analysis and monitoring using system monitoring tools such as TotalNMS reports and telemetries.	1	
Total-Control	Extend your knowledge in various Bandwidth Management mechanisms and QoS.	1	The hands-on is performed on non-commercial hub only
VoIP	Understand VoIP technology and Gilat's implementation of this feature. Configure Gilat's VoIP solution.	1/2	The hands-on is a subject to the availability of the VoIP equipment.
Cellular Backhauling	Understand Gilat's Backhauling implementation. Practice the configuration of this feature.	1	The hands-on is performed on non-commercial hub only
Layer 2	Understand Gilat's implementation of Layer 2 feature. Practice the configuration of this feature.	1	The hands-on is performed on non-commercial hub only
Mobility	Understand the Mobility mechanism and its implementation in the system. Practice the configuration of this feature.	2	The hands-on is performed on non-commercial hub only
IP Features	Learn about the implementation of enhanced IP features, such as DHCP, NAT, Dual IPSec, Static and Dynamic Routing, Multicast in SkyEdge II-c system. Practice the configuration of these features.	1/2	The hands-on is performed on non-commercial hub only
Multiple VLANs	Learn about the implementation of the multiple VLANs in SkyEdgell-c system. Practice the configuration of this feature.	1/2	The hands-on is performed on non-commercial hub only
NBI Operation	Learn about the operation of TotalNMS NBI for access of OSS/BSS.	1	

Training Module	Description	Duration (Days)	Notes
NMS and NSC Troubleshooting	Become familiar with NMS and NSC cluster configuration, perform basic monitoring and troubleshooting.	1	The hands-on is performed on non-commercial hub only
RF Measurements	Become familiar with SkyEdgeII-c RF measurements procedure and perform the RF measurement according to it.	½ - 1	The hands-on is a subject to the availability of the RF measuring equipment.
Total-Control	Become familiar with Network QoS enforcement mechanism Vs. MG/NS traditional one. Learn about Custom Areas and new QoS capabilities	½ - 1	Hands-On includes configuration practice, but not installation of CQM

8 SkyEdge II-C xHUB Customized Webinar

Course Name: SkyEdgeII-c Customized Webinar

Course Code: PSTRwSEIIc01

Location: Online

Course Overview:

You can request Gilat Customer Education Services to develop customized SkyEdgeIIc xHub webinar to meet your requirements.

To help define, develop and deliver webinars, please contact any of the following:

- Your local PM
- Our general Gilat Customer Educational Services contact, ces@gilat.com
- Gilat Customer Training Manager, [Shay Kraim](#)

9 SkyEdge IV Basic Hub Operations Course

Course Name: SkyEdgeIV Basic Hub Operations Course

Course Code: **PSTRSEIVC01** (Private at Customer), **PSTRSEIVG01** (Private at GILAT)

Prerequisites: Previous satcom/networking/RF experience

Duration: Five (5) days

Enrollment: Twelve (12), maximum

Locations:

- Gilat Customer Educational Centers:
 - Petach Tikvah, Israel
- Customer site (non-commercial hub only)

Course Overview:

The Gilat SkyEdgeIV Basic Hub Operations course is aimed at Tier-1 and Tier-2 Hub operators who will be operating and maintaining the SkyEdgeIV Hub and remote VSATs. This course introduces the theoretical, operational, and practical aspects of the SkyEdgeIV system. It includes hands-on workshops and exercises, enabling participants to practice basic configuration of the Gilat system/equipment and to perform basic troubleshooting.

Note: Participants should enroll in a scheduled course just prior to Hub installation.

Course Objectives:

Upon completing the course, participants will be able to:

- Describe system components and associated functions
- Describe system Data Flow
- Identify Hub components
- Install, configure, and troubleshoot a VSAT
- Describe TotalNMS architecture and the functions
- Add/Delete/Modify Managed Groups and VSATs
- Create/copy/modify component configurations
- Go over SEIV Mobility contours and beams
- Describe and perform basic configurations of common features:
 - NMS Basic Usage
 - MG & VSAT creation
 - SLA Profiles
 - Classification Profiles
 - Users management
 - Monitoring

10 SkyEdge IV Advanced Operations & Troubleshoot

Course Name: SkyEdgeIV Advanced Hub Operations and Troubleshooting

Course Code: **PSTRSEIVC02** (Private at Customer), **PSTRSEIVG02** (Private at GILAT)

Prerequisites: Previous satcom/networking/RF experience , SEIV Basic Operations

Duration: Five (5) days

Enrollment: Twelve (12), maximum

Locations:

- Gilat Customer Educational Centers:
 - Petach Tikvah, Israel
- Customer site (non-commercial hub only)

Course Overview:

The Gilat SkyEdge IV Advanced Hub Operations course is aimed at Tier-1 and Tier-2 Hub operators who will be operating and maintaining the SkyEdge IV Hub and remote VSATs. This course introduces the theoretical, operational, and practical aspects of the SkyEdge IV system. It includes hands-on workshops and exercises, enabling participants to practice advanced configuration of the Gilat system/equipment and to perform basic troubleshooting.

Course Objectives:

Upon completing the course, participants will be able to:

- Describe and understand SEIV Networking
- Describe system components and topologies
- Get to know SEIV VLANs
- Perform Basic Troubleshooting
- Understand system architecture and redundancies
- Get familiarized with system pods (Kubernetes)
- Be able to re-start NMS micro-services
- Create/copy/modify component configurations
- Collect Basic Logs
- Perform basic RF Troubleshooting
- Learn how to capture and sniff SEIV network traffic

11 SkyEdge IV Sizing Course

Course Name: SkyEdgeIV Sizing Course

Course Code: **PSTRSEIVC04** (Private at Customer), **PSTRSEIVG04** (Private at GILAT)

Prerequisites:

- Participants must first complete the SkyEdge IV Basic Hub Operations course
- At least one year's experience working with VSAT systems
- Basic knowledge of Microsoft Excel
- Some background in math and algebra

Duration: Three (3) days

Enrollment: Ten (12), maximum

Locations:

- Gilat Customer Educational Centers:
 - Bangkok, Thailand
 - Petach Tikva, Israel
- Customer site

Course Overview:

This course teaches how to perform the necessary calculations for system sizing.

The training progresses from simple to more complex sizing scenarios, using practical cases. It also provides tools to understand different aspects of the SkyEdgeIV system and its current capabilities. Participants gain the skills to handle sizing tools and related items, such as frequency planning. In addition, the course explains the need to reformulate link budgeting to ensure optimization.

Course Objectives:

Upon completing this course, participants will be able to:

- Calculate Forward bandwidth and all other characteristics, given specific requirements
- Make knowledgeable decisions about RTN mechanism, bandwidth, frequencies & schemes
- Describe the Link Budget considerations and its relation to Sizing
- Learn how to plan and size SEIV system equipment
- Evaluate system for scenarios involving single/multiple applications (Traffic Mixing)
- Understand consequences of modifying system parameters
- Gain proficiency with sizing tools and spreadsheets
- Understand how to utilize QoS capabilities for more efficient system performance

12 SkyEdge IV Customized Course

Course Name: SkyEdgeIV Customized Course

Course Code: PSTRSEIVC05 (Private at Customer), PSTRSEIVG05 (Private at GILAT)

Prerequisites:

- Participants must first complete the SkyEdgeIV Basic Hub Operations course
- At least six months working experience with SkyEdgeIV system
- Background in basic networking, RF, & Satellite communications is an advantage

Duration: Customized

Enrollment: Ten (12), maximum

Locations:

- Gilat Customer Educational Centers:
 - Bangkok, Thailand
 - Petach Tikva, Israel
- Customer site

Course Overview:

This course is aimed at field service engineers and Hub operators who will be providing Tier-2 and Tier-3 system support and who wish to be trained on specific topics related to SkyEdgeIV system. Course participants will receive extensive background information on SkyEdgeIV supported technologies.

The course includes daily, hands-on workshops, enabling participants to practice system/equipment configurations.

This course is customized, enabling participants to select topics of interest from the training modules presented below, and to determine the length of the course.

Training Topics:

The table below lists the available modules and their duration:

(Modules that don't appear in the table below may be added according to customer request)

Training Module	Description	Duration (Days)	Notes
Hub Architecture Refresher	Refresh and extend your knowledge of the system introduction, architecture and working modes as a basis for the rest of the course.	1	Mandatory
System Analysis & Monitoring	Perform system analysis and monitoring using system monitoring tools such as TotalNMS reports and telemetries.	1	
Total-Control (QoS)	Extend your knowledge in various Bandwidth Management mechanisms and QoS.	1	The hands-on is performed on non-commercial hub only
Remote Access Behind a VSAT	Understand how to remotely access and control a VSAT.	1/2	The hands-on is a subject to the availability of the platform.
Cellular Backhauling	Understand Gilat's Backhauling implementation. Practice the configuration of this feature.	1	The hands-on is performed on non-commercial hub only
Layer 2	Understand Gilat's implementation of Layer 2 feature. Practice the configuration of this feature.	1	The hands-on is performed on non-commercial hub only
MEF	Understand MEF and its implementation in SEIV system	1	The hands-on is performed on non-commercial hub only
Mobility	Understand the Mobility mechanism and its implementation in the system. Practice the configuration of this feature. Contours, Mobility profiles, Maps	1	
IPHO	Learn and understand how to operate inter platform hand overs between SEIIC and SEIV system	1/2	
IP Features	Learn about the implementation of enhanced IP features, such as DHCP, NAT, Dual IPSec, Static and Dynamic Routing, Multicast in SkyEdge II-c system. Practice the configuration of these features.	1/2	The hands-on is performed on non-commercial hub only

Training Module	Description	Duration (Days)	Notes
Multiple VLANs	Learn about the implementation of the multiple VLANs in SkyEdge II-c system. Practice the configuration of this feature.	1/2	The hands-on is performed on non-commercial hub only
NBI Operation	Learn about the operation of TotalNMS NBI for access by OSS/BSS or NMS Control by OSS	1	
KAFKA & K8 Topics: NMS Sync with DCM GWM	Become familiar with NMS cluster configuration, DB Sync, KAFKA streamers. Perform basic monitoring and troubleshooting.	1-1½	The hands-on is performed on non-commercial hub only
RF Measurements	Become familiar with SkyEdge II-c RF measurements procedure and perform the RF measurement according to it.	½-1	The hands-on is a subject to the availability of the RF measuring equipment.

13 GLT/MLT Installation and Operations Course

Course Name: GLT/MLT Installation and Operations Course

Course Code: PSTRCOTM07, PSTRCOTM08

Prerequisites: NET 101, or previous networking experience

Duration: Two (2) days

Enrollment: Ten (10), maximum

Locations:

- Gilat Customer Education Center, (Petach Tikva, Israel)
- Customer site

Course Overview:

The GLT Installation and Operations Course is aimed at any technical personnel who want to know how to operate and perform basic troubleshooting for the GLT/MLT. Participants will learn the theoretical and operational aspects of GLT/MLT technology.

The course includes hands-on workshops and exercises, enabling participants to practice GLT/MLT equipment installation, configuration, and operation.

Course Objectives:

Upon completing the course, participants will successfully:

- Describe the principles of GLT/MLT modem operation
- Describe GLT/MLT modem connections
- Understand GLT/MLT modem electrical requirements
- Perform GLT/MLT modem installation
- Connect and configure the GLT/MLT modem
- Perform basic troubleshooting for the GLT/MLT modem
- Learn how to manage and control the GLT/MLT modem via SNMP

14 MCPC Hub Operation Course

Course Name: MCPC Hub Operations Course

Course Code: PSTRCOTM09, PSTRCOTM10

Prerequisites: NET 101, or previous networking experience

Duration: Three (3) day

Enrollment: Ten (10), maximum

Locations:

- Gilat Customer Education Center, (Petach Tikva, Israel)
- Customer site

Course Overview:

The MCPC Hub Operations Course is aimed at any technical personnel who want to know how to operate and perform basic troubleshooting for the MCPC Hub. Participants will learn the theoretical and operational aspects of MCPC technology.

The course includes hands-on workshops and exercises, enabling participants to practice the MCPC Hub equipment installation, configuration, and operation.

Course Objectives:

Upon completing the course, participants will successfully:

- Describe system components and associated functions
 - Describe the principles of GLT/MLT modem operation
 - Describe GLT/MLT modem connections
- Describe system principles of operation
- Identify Hub components
- Install, configure and troubleshoot a terminal
- Configure and troubleshoot hub components
- Describe NMS architecture and GUI functions
- Backup and restore NMS database parameters
- Perform NC switchover
- Describe and perform basic configurations of:
 - QoS
 - IP Features

15 Defense Customized Course

Course Name: Defense Comm. Systems Customized Course

Course Code: PSTRCOTM11 (Private at Customer), PSTRCOTM12 (Private at GILAT)

Prerequisites:

- At least six months working experience with defense system, SEIIC or SEIV
- Background in basic networking, RF, & Satellite communications is an advantage

Duration: Customized

Enrollment: Ten (12), maximum

Locations:

- Gilat Customer Educational Centers:
 - Bangkok, Thailand
 - Petach Tikva, Israel
- Customer site

Course Overview:

This course is aimed at field service engineers and Hub operators who will be providing Tier-2 and Tier-3 system support and who wish to be trained on specific topics related to defense systems. Course participants will receive extensive background information on defense comm systems supported technologies.

The course includes theory and hands-on practice, enabling participants to practice system/equipment configurations.

This course is customized, enabling participants to select topics of interest from the training modules presented below, and to determine the length of the course.

Training Topics:

The table below lists the available modules and their duration:

(Modules that don't appear in the table below may be added as well, according to customer request)

Training Module	Description	Duration (Days)	Notes
Defense NMS Overview / MCPC HUB	Refresh and extend your knowledge of the system introduction, architecture and working modes as a basis for the rest of the course.	2.5	
GLT/MLT 1000 / SCPC	Get to know ruggedized military grade modems, and SCPC operation	1½	Including Modem Manager
GLT 2500 / SCPC	Extending your knowledge of the new GLT modems series	1½	(Coming Soon)
Sat Trooper, Q-Series or C-Series	Understand how to configure and deploy portable/Man-pack kits Modem + BUC, LNB and dish	1½	
Antennas & Terminals SR300, ER5000 Or BlackRay Airborne	Learning and usage of defense Sat. comm. Antennas & Terminals from GILAT antennas portfolio of your selection	1½	
DKET	Understand transportable Hubs for defense intranet communication	2	Transportable
Aquarius SCPC	Learn how to configure, install and deploy Aquarius modem SCPC links	1½	
COTP	Understand the comm, on the pause mechanism and its implementation in the GILAT systems. Practice the configuration of this feature. Contours, Mobility profiles, Maps	2	