

# AFRIKANET ACADEMY COURSE CATALOGUE

Training Program	Content	Duration	Price
<b>GVF500 Ed2</b> Introduction to Satellite Communications	Comprehensive overview of the technology and business of satellite communications. Covers history, launchers, orbits, frequencies, networks, equipment, bandwidth, applications, markets, regulations, and industry structure. Edition 2 includes high-throughput satellites, new market data, and other updates.	5 Days	\$1750
<b>GVF503E-S1</b> Installing and Maintaining SeaTel Model IMA Series Marine Terminals (supplement to GVF 503E)	Supplement course to GVF503E. Detailed training in the technical differences between Sea Tel 09 and IMA series terminals. Covers hardware, wiring, software, setup, configuration, and testing of IMA, Series 12, and GX systems. Before you can open this course, you must complete GVF 503E, for which Sea Tel approval is required.	5 Days	\$1750
<b>GVF503G</b> Gilat SkyEdge II VSAT Installation and Maintenance	Factory-authorized training in the detailed knowledge and skills required for installation of Gilat SkyEdge II VSAT terminals. Required for: GVF Gilat SkyEdge II Specialist Satcom Professional Certification. Pre-requisites: GVF 510, 520, and 521	5 Days	\$1750
<b>GVF503H</b> Hughes HN/HX Terminal Installation	Factory-authorized training in the detailed knowledge and skills required for installation of Hughes HN and HX series VSAT terminals. Required for: GVF Hughes Specialist Satcom Professional Certification. Pre-requisites: GVF 510, 520, and 521	5 Days	\$1750
<b>GVF503i Ed2</b> iDirect Installation and Maintenance	Factory-authorized training in the detailed knowledge and skills required for installation of iDirect remote VSAT terminals. Second edition: includes eVOLUTION series satellite routers and other new materials. Note: prior to entering the course, you must agree to Non-Disclosure Statement which is a legal agreement between you and iDirect Networks Inc. Required for: GVF iDirect Specialist Satcom Professional Certification. Pre-requisites: GVF 510, 520, and 521	5 Days	\$1750
<b>GVF503T Ed 2</b> SpaceTrack 4000 Installation and Maintenance, Ed. 2	Learn key aspects of how to install, configure, and maintain a Harris CapRock Communications SpaceTrack 4000-series marine stabilized antenna system through this online, self-paced, 3-D animated, highly interactive, simulator-driven course. Topics covered include principles of vessel motion, stabilized antenna operations, and SpaceTrack terminal details including configuring and monitoring techniques. All equipment is explained, including the SpaceTrack gimbaled mount, antenna and RF components, control system components, and navigation system connections. Details on	5 Days	\$1750

	satellite acquisition and tracking, mount balance concepts, operating modes, performing site surveys, installation and assembly, commissioning, maintenance, and troubleshooting are covered in depth.		
<b>GVF510 Ed2</b> Core Skills for VSAT Professionals	Critical skills required for fixed VSAT professionals, focusing on accurate antenna alignment and prevention of major sources of uplink interference. Includes advanced interactive 3-D simulations. Second edition: updated, includes new cross-pol and other simulators. Languages: English, French, Spanish, Portuguese. Required for: GVF Basic, Advanced, and all Specialist VSAT Professional Certifications. Pre-requisites: None	<b>5 Days</b>	<b>\$1750</b>
<b>GVF514</b> VSAT Installation with Satmotion Pocket	The Integrasys Satmotion Pocket system enables VSAT technicians to align cross-pol, calibrate P1dB, and perform other installation functions without requiring intervention from the Satellite Access Center. In this course, technicians learn how to correctly install, configure, and use the Satmotion Pocket system to prepare for, install, and commission a VSAT antenna. Required for: None Pre-requisites: GVF 510	<b>5 Days</b>	<b>\$1750</b>
<b>GVF520</b> Satcom Fundamentals	Fundamental theory of VSAT communications for all VSAT technicians and engineers. Includes advanced interactive graphical simulations. Required for: GVF Advanced and all Specialist Satcom Professional Certifications Pre-requisites: GVF 510 recommended	<b>5 Days</b>	<b>\$1750</b>
<b>GVF521</b> Practical Technique for VSAT Professionals	Covers the range of practical tips, techniques, and knowledge that fixed-VSAT field technicians and installers need to perform a high-quality, reliable installation job. Required for: GVF Advanced and all Specialist Satcom Professional Certifications. Pre-requisites: GVF 510 and GVF 520	<b>5 Days</b>	<b>\$1750</b>
<b>GVF530</b> Core Skills for Mobile Satellite Terminal Operators	Even if your auto-point/auto-deploy satellite terminal is fully automatic, there are a few critical skills you need beyond simply pressing the green button! In this course you will learn how to use pointing angles (az and el) to decide where your antenna should be placed for a clear view to the satellite. You will also learn basic concepts and troubleshooting, such as the effect of rain, how to check your equipment, the importance of interference prevention, and how to tell if your equipment qualifies as GVF Type Approved. Required for: Recommended as preparation for the EUI mobile/SNG/uplinker BAPO, GAPO, & BTO Certification exams. Pre-requisites: None	<b>5 Days</b>	<b>\$1750</b>

<b>GVF531</b> Access Procedure Skills	If your auto-point/auto-deploy antenna is not GVF Type Approved, there are some additional checks you need to make before you transmit; otherwise you could be unintentionally interfering with other users. In this course you will learn how to confirm that your antenna is accurately pointed and how to work with the satellite operator to carry out a cross-pol check. Required for: Recommended as preparation for the EUI mobile/SNG/uplinker GAPO & BTO Certification exams. Pre-requisites: GVF530 highly recommended	<b>5 Days</b>	<b>\$1750</b>
<b>GVF532</b> Core Uplinking Skills	In satellite news gathering (SNG) vans/trucks and in teleports, you're likely to find equipment with manual controls for antenna pointing, carrier setup, and monitoring. In this course you will learn all of the theory, knowledge, and skills required to pass the Basic Technical Operator (BTO) certification exam. In particular, you will learn how to use a spectrum analyzer to identify your correct satellite and to accurately point with the beam balance method. You will learn how to correctly pre-set polarization and then contact a Satellite Access Center to complete cross-pol alignment and carrier activation according to the Universal Access Procedure. Required for: Recommended as preparation for the EUI mobile/SNG/uplinker BTO Certification exam.	<b>5 Days</b>	<b>\$1750</b>
<b>GVF561</b> Fundamentals for Marine VSAT Operators	Necessary knowledge and skills for crew responsible for operating and monitoring a satellite terminal at sea. Covers satellite communications basics, antennas, interconnections to ship's navigation systems, problem solving, safety, regulatory and licensing questions, and comparing VSAT with other broadband marine services. Required for: All GVF Marine Operator and Professional Certifications. Pre-requisites: None	<b>5 Days</b>	<b>\$1750</b>
<b>GVF562E</b> Operating the SeaTel Model '09 Series Marine VSAT	Fundamental aspects of how to monitor, operate, and perform at-sea maintenance of a SeaTel 09 series marine VSAT terminal. Required for GVF Marine Satcom Operator: Sea Tel Specialist Certification. Required for: Required for GVF Marine Satcom Operator: Sea Tel Specialist Certification. Pre-requisites: GVF 561	<b>5 Days</b>	<b>\$1750</b>
<b>GVF562E-IMA</b> Operating the Sea Tel IMA Series Marine VSAT	Fundamental aspects of how to monitor, use, and perform at-sea maintenance on a SeaTel IMA series marine VSAT terminal, including the Series 12 and GX antennas. Required for: Required for GVF Marine Satcom Operator: Sea Tel Specialist Certification. Pre-requisites: GVF 561	<b>5 Days</b>	<b>\$1750</b>
<b>GVF562T</b> Operating the SpaceTrack Marine VSAT	Fundamental aspects of how to monitor, operate, and perform at-sea maintenance of a SpaceTrack 4000 and 4000E series marine VSAT terminal.	<b>5 Days</b>	<b>\$1750</b>

	Required for: GVF Marine Satcom Operator: SpaceTrack 4000 Specialist Certification. Pre-requisites: GVF 561		
<b>GVF811</b> Carrier ID Principles and Operation	The satellite industry has been working hard to reduce the global effects of satellite interference. This course covers the background, technology, operation, and practical aspects of current Carrier Identification, one of the important tools for mitigating interference, with specific focus on DVB-CID principles and practical applications. Required for: N/A Pre-requisites: None	<b>5 Days</b>	<b>\$1750</b>
<b>GVF-CERT-SPB_16</b> Basic Satcom Professional Certification/Recert Exam	Final exam for GVF Advanced Satcom Professional Certification. Also serves as the recertification exam. To open this exam, you must have completed course GVF 510 Edition 2, GVF 520, GVF 521, and the Basic Hands On Skills Test (HOST-B). If your certification has expired, take this exam to recertify, which will extend your certification for three years. Subscriber? Email support to request free enrollment in this exam and enrollment in or extension of 510 ed2, 520, and 521. Not a subscriber? Purchase this course and email support to request one-time 30-day extension of 510 ed2, 520, and 521, if previously enrolled. For more info, please see the Required for: GVF Advanced Satcom Professional Certification Pre-requisites: GVF 510 ed2 and 520 and 521 and any HOST-B	<b>5 Days</b>	<b>\$1750</b>
<b>Full BAPO</b> training & exam package	Full BAPO training & exam package including learning course GVF530 (Core Skills for Mobile Sat. Terminal Operators) and GVF-CERT-BAPO (RFI-EUI BAPO certification exam). Required for: Basic Autopoint Terminal Operator (BAPO) Certification Pre-requisites: None	<b>5 Days</b>	<b>\$1750</b>
<b>Full GAPO</b> training & exam package	Full GAPO training & exam package including online learning courses GVF530 (Core Skills for Mobile Sat. Terminal Operators), GVF531 (Access Procedure Skills), and GVF-CERT-GAPO (RFI-EUI GAPO certification exam). Required for: General Autopoint Terminal Operator (GAPO) Certification Pre-requisites: None	<b>5 Days</b>	<b>\$1750</b>
<b>Full BTO</b> training & exam package	Full BTO training & exam package including online learning courses GVF530 (Core Skills for Mobile Sat. Terminal Operators), GVF531 (Access Procedure Skills), GVF532 (Core Uplinking Skills) and GVF-CERT-BTO (RFI-EUI BTO certification exam). Required for: Basic Technical Operator (BTO) Certification	<b>5 Days</b>	<b>\$1750</b>

	Pre-requisites: None		
<b>GVF-CERT-SPA_16</b> Advanced Satcom Professional Certification/Recert Exam	Final exam for GVF Advanced Satcom Professional Certification. Also serves as the recertification exam. To open this exam, you must have completed course GVF 510 Edition 2, GVF 520, GVF 521, and the Basic Hands On Skills Test (HOST-B). If your certification has expired, take this exam to recertify, which will extend your certification for three years. Subscriber? Email support to request free enrollment in this exam and enrollment in or extension of 510 ed2, 520, and 521. Not a subscriber? Purchase this course and email support to request one-time 30-day extension of 510 ed2, 520, and 521, if previously enrolled. For more info, please see the Required for: GVF Advanced Satcom Professional Certification Pre-requisites: GVF 510 ed2 and 520 and 521 and any HOST-B	<b>5 Days</b>	<b>\$1750</b>
<b>GVF-CERT-SPB_16</b> Basic Satcom Professional Certification/Recert Exam	Final exam for GVF Basic Satcom Professional Certification. Also serves as the recertification exam. To open this exam, you must have completed course GVF 510 Edition 2, and the Basic Hands On Skills Test (HOST-B). If your certification has expired, take this exam to recertify, which will extend your certification for three years. Subscriber? Email support to request free enrollment in this exam and enrollment in or extension of 510 ed2. Not a subscriber? Purchase this exam and email support to request one-time 30-day extension of 510 ed2, if previously enrolled. For more info, please see the Required for: GVF Basic Satcom Professional Certification Pre-requisites: GVF 510 ed2 and any HOST-B	<b>5 Days</b>	<b>\$1750</b>
<b>ASC701</b> NGC Overview and Monitoring	The ASC Next Generation Controller provides a single solution for antenna manual control and automatic tracking, as well as control of antenna environmental systems and redundant RF equipment. This course presents an introduction to the NGC family and the knowledge and skills required for technicians with NGC "Monitor" level access, responsible for monitoring the status of an NGC-controlled earth station. Required for: None Pre-requisites: GVF 530, GVF 531, and GVF 532 recommended	<b>5 Days</b>	<b>\$1750</b>
<b>ASC702</b> Using an NGC system in fixed antenna applications	This course is intended for earth station technicians with NGC "User" level access who are responsible fo day-to-day operation and maintenance of NGC-controlled antenna systems. A typical fixed, motorized 4.9m antenna system is explained in detail, and variations and options are described. Required for: None Pre-requisites: None	<b>5 Days</b>	<b>\$1750</b>

<b>ASC704</b> Administering and configuring NGC tracking systems	<p>This course is intended for earth station administrators who are responsible for the overall operation, maintenance and performance of NGC-controlled antenna systems. A typical fixed, motorized 4.9m antenna system is explained in detail, and variations and options are described.</p> <p>Required for: None  Pre-requisites: ASC 701, 702, GVF 520, 530, 531, and 532 (recommended)</p>	<b>5 Days</b>	<b>\$1750</b>
<b>O3b731</b> O3b Networks Overview	<p>This course presents an introduction to the O3b Networks services, the O3b network constellation and ground station network, and the differences between O3b and traditional satellite services. With a high-level overview, this course is intended for O3b staff, customers, and the satellite communications industry.</p> <p>Required for: N/A  Pre-requisites: None</p>	<b>5 Days</b>	<b>\$1750</b>
<b>(CTPM)</b> Certified Telecommunications Project Management	<ul style="list-style-type: none"> <li>• <b>Initiating Process</b> <ul style="list-style-type: none"> <li>○ Its purpose is to achieve authorization for a project and define its objectives</li> <li>○ The general scope, duration, resources, and desired final output are described</li> <li>○ Outputs for this process include the project charter and a preliminary SOW</li> </ul> </li> <li>• <b>Planning Process</b> <ul style="list-style-type: none"> <li>○ This process involves determining how the newly initiated project will actually be carried out, including refining the information developed during initiation and reviewing the resources needed (including human resources)</li> <li>○ The general scope, duration, resources, and desired final output are described</li> <li>○ A WBS including various deliverables and work packages is constructed and scheduled activities are defined and sequenced</li> </ul> </li> <li>• <b>Executing Process</b> <ul style="list-style-type: none"> <li>○ The execution process group involves taking steps to act upon and complete the project work according to the procedures outlined during the planning stage. Any approved changes are implemented as part of this group</li> <li>○ The project management team is acquired and developed and contact with vendors is initiated</li> <li>○ Reports on project progress, quality, and challenges are a core component of the information distribution aspect of execution</li> </ul> </li> </ul>	<b>5 Days</b>	<b>£10 000</b>

	<ul style="list-style-type: none"> <li>• <b>Monitoring &amp; Controlling Process</b> <ul style="list-style-type: none"> <li>○ These processes occur concurrently with all the other process groups</li> <li>○ Observation, problem identification and correction are the three basic purposes of monitoring and controlling</li> <li>○ Quality control plays a significant role in this group of processes</li> </ul> </li> <li>• <b>Closing Process</b> <ul style="list-style-type: none"> <li>○ This process finalizes a project and closes it out</li> <li>○ This activity often includes satisfying the terms of any outstanding contracts</li> <li>○ The Project Manager must ensure that other processes (planning, execution, monitoring) are complete and the final deliverables are ready to be handed off to the end user or stakeholder group</li> </ul> </li> </ul>		
<p>(ETCWT) Effective Team Communication Workshop Training</p>	<p>Effective team communication workshop training course is designed to help solve the existing communication challenges among people of a team and avoid any potential miscommunication in the future. Unless a team is completely focused on and aligned with the organizational goals, success will not be reached. Such unity is accomplished only through true communication.</p> <p>Effective team communication workshop training is a 2-day course suitable for</p> <ul style="list-style-type: none"> <li>• All the individuals working with others as a team or a group</li> <li>• Those whose work require direct interactions with other staff, stakeholders, clients, and even vendors.</li> <li>• The leaders who are planning to create a new group or department.</li> <li>• Teachers and mid-level managers</li> </ul> <p><b><u>Training Objectives</u></b></p> <p>Upon completion of effective team communication workshop training, the trainees are able to:</p> <ul style="list-style-type: none"> <li>• Identify different decision making styles as a team member</li> <li>• Recognize their individual communication style and how it can possibly lead to a conflict in the group</li> </ul>	<p><b>2 Days</b></p>	<p><b>\$1000</b></p>

	<ul style="list-style-type: none"> <li>• Cope with team conflict by learning how to employ the conflict to get to creativity</li> <li>• Send, receive, and process information within the team to be most productive</li> <li>• Foster coherence and effectiveness of the team</li> <li>• Build trust with other team members</li> <li>• Strengthen interpersonal communication to increase individual and group productivity</li> <li>• Work with other team members more harmoniously with less friction and conflict</li> <li>• Face with criticisms from other team members in professional manner and employ their comments and feedback to improve their works</li> <li>• Feel secure to express their comments and opinions in the group without the fear of being judged or shut down by other members</li> <li>• Increase constructive and effective communication with other team members</li> </ul>		
Network Security	Mapping the Network • VPN Testing... • Packet & Protocol Analysis • Security Architecture & Design • DMZ Configuration • Portscan • Service Enumeration • Device Auditing • Configuration Review • Firewall Rule Based Auditing • Vulnerability Scan • Network Cartography • Wireless Security • Best Practices	2 days	\$1000
Database Security	MS SQL Server • TNS Listener Security... Configuration • Vulnerability Scan • Enumerating Database Parameters • Default v/s Secured Installation • Oracle • SQL Server Dangerous Procedures • MySQL • TRACE in MySQL • Security	2 days	\$1000
Certified Information Systems Auditor	Auditiing • Implementation... • Auditing Information Systems • Governance and Management of IT • Information Systems Acquisition • Development and Implementation • Information Systems Operations • Maintenance and Support • Protection of Information Assets	4 days	\$1750
Certification in General Aviation ADS-B	<ul style="list-style-type: none"> <li>• ADS-B system requirements</li> <li>• ADS-B infrastructure</li> <li>• Equipment availability and certification</li> <li>• Safety and Performance issues</li> <li>• Interoperability issues</li> <li>• Equipment developments</li> </ul>	5 days	\$20 000
Leadership Training	<ul style="list-style-type: none"> <li>• Communication</li> <li>• Leadership Style</li> <li>• Leading and Motivating Benevolents</li> <li>• Mentoring</li> </ul>	2 days	\$1500



	<ul style="list-style-type: none"> <li>• Time Management</li> <li>• Objective formulation and responsabilization</li> <li>• Planning of Strategy</li> <li>• Ethics</li> <li>• Consensus</li> <li>• Team Work</li> </ul>		
Sustainable development training program	<ul style="list-style-type: none"> <li>• What is Sustainability?</li> <li>• Systems Practice in Sustainable Development</li> <li>• Sustainable Businesses</li> <li>• Case Studies in Sustainability</li> <li>• Energy and Sustainability</li> <li>• Introduction to Renewable Energy Sources</li> <li>• Water Treatment</li> <li>• Water Resource Management</li> <li>• Water and Human Health</li> <li>• Smart Cities</li> </ul>	<b>5 days</b>	<b>\$2500</b>
Solar Energy Training Program	<ul style="list-style-type: none"> <li>• What is Solar Energy</li> <li>• Principle of the PV cell</li> <li>• Solar system Infrastructure</li> <li>• How the solar system works</li> <li>• Practical work/building a solar system</li> <li>• Dimensioning a PV system</li> </ul>	<b>5 days</b>	<b>\$2500</b>
Video surveillance	<ul style="list-style-type: none"> <li>• Theoretical knowledge about Video surveillance</li> <li>• Practical Knowledge and installation of a video surveillance equipment</li> </ul>	<b>5 days</b>	<b>\$2500</b>
Mikrotic Training	<ul style="list-style-type: none"> <li>• Step by step training on the use of a Mikrotic Router</li> </ul>	<b>2 days</b>	<b>\$2500</b>