AFRIKANET ACADEMY TELECOMMUNICATIONS COURSE CATALOGUE

Training Program	Content	Duration	Price
GVF500 Ed2 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**
GVF503E-S1 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**
GVF503G 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**
GVF503H 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**
GVF503i Ed2 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**
GVF503T Ed 2 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	**5 Days**	**$1750**

	mount, antenna and RF components, control system components, and navigation system connections. Details on satellite acquisition and tracking, mount balance concepts, operating modes, performing site surveys, installation and assembly, commissioning, maintenance, and troubleshooting are covered in depth.		
GVF510 Ed2 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	**5 Days**	**$1750**
GVF514 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	**5 Days**	**$1750**
GVF520 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	**5 Days**	**$1750**
GVF521 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	**5 Days**	**$1750**
GVF530 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.	**5 Days**	**$1750**

	Pre-requisites: None		
GVF531 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	**5 Days**	**$1750**
GVF532 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.	**5 Days**	**$1750**
GVF561 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	**5 Days**	**$1750**
GVF562E 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	**5 Days**	**$1750**
GVF562E-IMA 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	**5 Days**	**$1750**

GVF562T 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. Required for: GVF Marine Satcom Operator: SpaceTrack 4000 Specialist Certification. Pre-requisites: GVF 561	**5 Days**	**$1750**
GVF811 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	**5 Days**	**$1750**
GVF-CERT-SPB_16 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	**5 Days**	**$1750**
Full BAPO 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	**5 Days**	**$1750**
Full GAPO 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	**5 Days**	**$1750**

Full BTO 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 Pre-requisites: None	**5 Days**	**$1750**
GVF-CERT-SPA_16 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	**5 Days**	**$1750**
GVF-CERT-SPB_16 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	**5 Days**	**$1750**
ASC701 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 technicans 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	**5 Days**	**$1750**

ASC702 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	**5 Days**	**$1750**
ASC704 Administering and configuring NGC tracking systems	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. Required for: None Pre-requisites: ASC 701, 702, GVF 520, 530, 531, and 532 (recommended)	**5 Days**	**$1750**
O3b731 O3b Networks Overview	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. Required for: N/A Pre-requisites: None	**5 Days**	**$1750**

(CTPM) Certified Telecommunications Project Management	• **Initiating Process**
	  ○ Its purpose is to achieve authorization for a project and define its objectives
	  ○ The general scope, duration, resources, and desired final output are described
	  ○ Outputs for this process include the project charter and a preliminary SOW
	• **Planning Process**
	  ○ 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)
	  ○ The general scope, duration, resources, and desired final output are described
	  ○ A WBS including various deliverables and work packages is constructed and scheduled activities are defined and sequenced
	• **Executing Process**
		5 Days	**£10 000**

	○ 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 ○ The project management team is acquired and developed and contact with vendors is initiated ○ Reports on project progress, quality, and challenges are a core component of the information distribution aspect of execution • **Monitoring & Controlling Process** ○ These processes occur concurrently with all the other process groups ○ Observation, problem identification and correction are the three basic purposes of monitoring and controlling ○ Quality control plays a significant role in this group of processes • **Closing Process** ○ This process finalizes a project and closes it out ○ This activity often includes satisfying the terms of any outstanding contracts ○ 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		