

## Equip Your Field Team with Solid iDirect Skills



### The GVF Certified Installer Database

The Global VSAT Forum maintains the **only** industry-wide certification program for VSAT and broadband terminal technicians and a graduate database at [www.gvf.org](http://www.gvf.org).

### Intensive iDirect-Specific Training

This course takes the student through a step-by-step installation process using simulations for the real-world behavior of satellite links, the iDirect VSAT hardware and software, and typical installation test equipment in a highly explanatory, self-paced tutorial environment.

On-line certification training endorsed by iDirect Technologies is available exclusively from the Global VSAT Forum.

GVF offers a three-level course sequence:

#### Level 1: Introduction to VSAT Technology

An excellent overview for all industry professionals, including managers and sales executives.

#### Level 2: Fundamentals of VSAT Installation

Critical knowledge and skills for all technicians.

#### Level 3i: iDirect Remote Terminal Installation

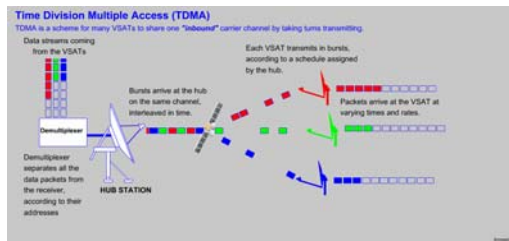
Detailed iDirect theory and step-by-step procedures.

#### Level 3S: Advanced VSAT Installation

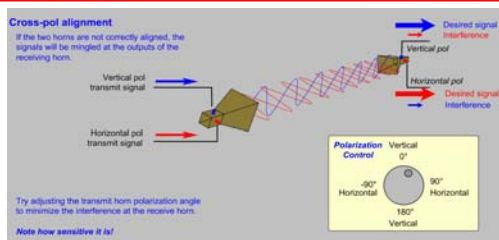
SCPC and stand-alone terminal techniques.

### Interactive, animated on-line classes by SatProf, Inc.

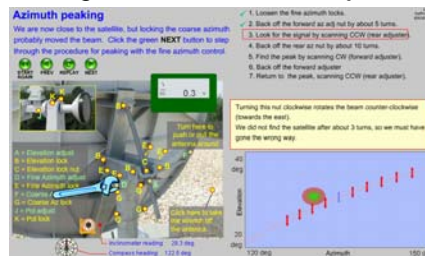
- Live animations make complex concepts easy
- Practice hands-on skills with realistic interactive simulations
- Each course has over 100-200 learning pages guiding you in easy-to-understand steps
- Learn at your own pace, any time, 24/7
- Access the reference materials library



Learn how the iDirect TDM/TDMA system dynamically manages bandwidth.



Understand the importance of cross-polar signal separation by experimenting with antenna feed adjustment.



Practice dish pointing skills with the iDirect-specific hands-on simulator.

## On-line course outlines

### Level 1: Introduction to VSAT Technology

An overview of satellite communications, with emphasis on VSAT applications, for technicians, engineers, managers, and IT professionals. This course serves as the first of the three required levels for GVF VSAT Installer Certification.

Contains approximately 100 animated & interactive pages, requiring 5-10 hours study. Includes review quizzes and final test. Students may download and keep the GVF VSAT Installation and Maintenance Handbook, Volume 1.

Contents: 1. About the Global VSAT Forum; 2. Communications technologies; 3. Satellite communications and spacecraft; 4. Orbits; 5. Dish pointing concepts; 6. Footprints; 7. Electromagnetic waves and frequencies; 8. Access methods; 9. Earth stations and VSAT terminals; 10. VSAT networks; 11. Final Test.

### Level 2: VSAT Installation Fundamentals

Fundamental knowledge and skills that all VSAT installers need for high-quality, interference-free installations. Animation and simulator-based interactivity bring technical concepts to life.

Contains over 180 animated & interactive pages, requiring 15-30 hours study. Includes review quizzes and final test. Students may download and keep the GVF VSAT Installation and Maintenance Handbook, Volumes 1 and 2.

Contents: 1. GVF VSAT Training; 2. Signals and Noise; 3. Antennas; 4. Propagation; 5. Modulation; 6. Satellite Links; 7. Polarization; 8. VSAT equipment; 9. Site survey and planning; 10. Installing the equipment; 11. Grounding; 12. Antenna az-el pointing; 13. Cross-pol alignment; 14. Carrier lineup and link test; 15. Data interface concepts; 16. Review of the installation process; 17. Troubleshooting and maintenance; 18. Final Test.

### Level 3i: iDirect Remote Terminal Installation

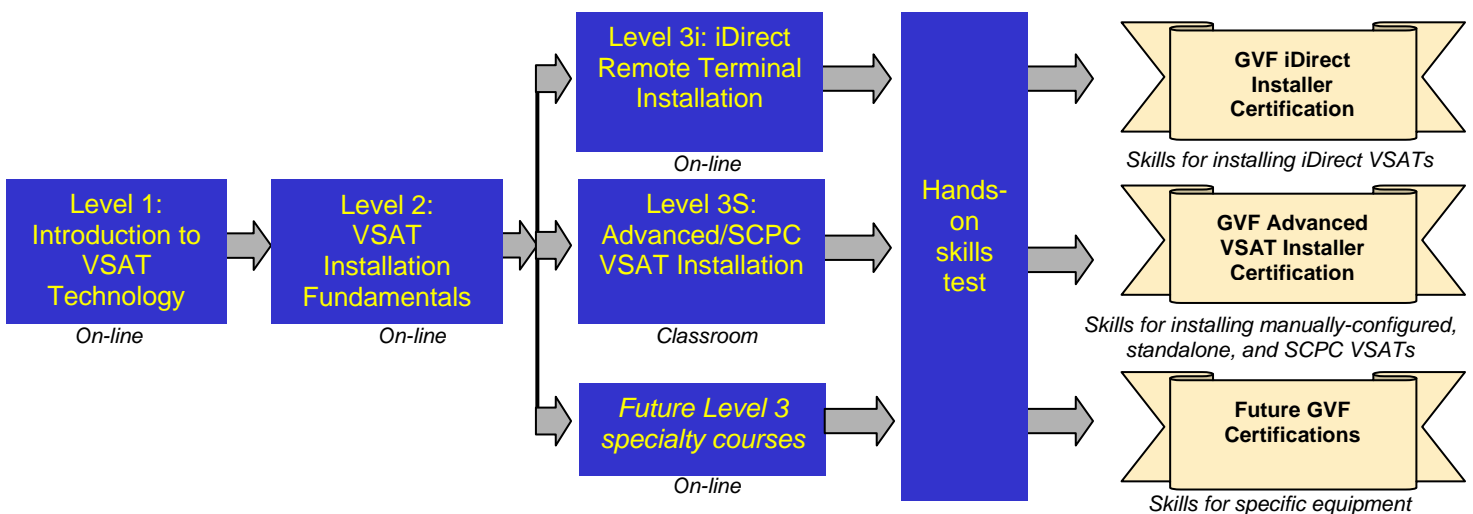
Factory-authorized training in the detailed knowledge and skills required for installation of iDirect iNFINITI series remote VSAT terminals. Animation and simulator-based interactivity are used throughout the course to explain critical skills and concepts. This course is required for GVF-iDirect VSAT Installer Certification.

Contains over 200 animated & interactive pages, requiring 15-40 hours study. Includes review quizzes and final test. Students may download and keep the exclusive SatProf "Field Handbook for iDirect," in addition to various iDirect manuals and guides.

Contents: 1. Introduction; 2. Working with customers and iDirect; 3. iDirect Network Architecture; 4. iDirect Remote Equipment Overview; 5. Files and Parameter Downloads; 6. iSite; 7. Transmitter Distortion Concepts; 8. Installation Procedure overview; 9. Installation Step 1 (Preparation); 10. Installation Step 2 (Outdoor eqpt assembly); 11. Installation Step 3 (Installing the IFL); 12. Installation Step 4 (Installing the IDU); 13. Installation Step 5 (Receive signal pointing); 14. Installation Step 6 (Uplink alignment); 15. Installation Step 7 (Joining the network); 16. Installation Step 8 (Finishing the job); 17. Grounding and Safety; 18. Troubleshooting; 19. Advanced topics; 20. Final test.

**Take the free  
interactive guided tour at  
[www.satprof.com](http://www.satprof.com)**

## Certification course structure



 *Satellite Solutions. The World.*  
**Global VSAT Forum**  
The association of the global VSAT industry.  
[www.gvf.org](http://www.gvf.org)

**Registration: <http://gvf.coursehost.com>**

**Volume and VAR inquiries:  
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Animated, interactive, technically-accurate on-line training for satellite professionals.  
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