

The Global VSAT Forum offers three VSAT installation certification levels.

|                                                                                                           | GVF Certification |                            |                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------|-------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------|
|                                                                                                           | Basic             | Advanced                   | Specialist                                                                                                             |
| Meets minimum satellite operator requirements for prevention of interference when activating a VSAT       | ✓                 | ✓                          | ✓                                                                                                                      |
| Solid knowledge and skills in general VSAT installation, maintenance, and troubleshooting                 |                   | ✓                          | ✓                                                                                                                      |
| Eligible to be listed in the GVF public database of certified VSAT installers                             |                   | ✓                          | ✓                                                                                                                      |
| Solid knowledge and skills for installation, maintenance, and troubleshooting of specific equipment types |                   |                            | ✓                                                                                                                      |
| Online courses required                                                                                   | GVF 510           | GVF510<br>GVF520<br>GVF521 | GVF510<br>GVF 520<br>GVF 521<br>GVF 503x (for each specialty)                                                          |
| Hands on skills test required                                                                             | GVF Basic HOST    | GVF Basic HOST             | GVF Basic HOST.<br><i>Some Specialist certifications may also require additional specific hands on skills testing.</i> |



**Global VSAT Forum**  
The association of the global satellite industry.

Visit online:  
[www.gvf.org](http://www.gvf.org)



**SatProf, Inc.**  
Animated, interactive technically-accurate online training for satellite professionals.

Visit online:  
[www.satprof.com](http://www.satprof.com)

## GVF Certification

GVF's award-winning VSAT Installation Certification training program is delivered via a combination of online, interactive, simulator-driven training modules developed by SatProf, Inc. ([www.satprof.com](http://www.satprof.com)) and formal hands-on skills testing, all managed through the GVF training portal at [www.gvf.org/training](http://www.gvf.org/training). Hands-on skills testing and supplementary classroom sessions are supported by GVF Instructors and Regional Training Centers located in every major region of the world.

# GVF VSAT Certification Program

## Objectives:

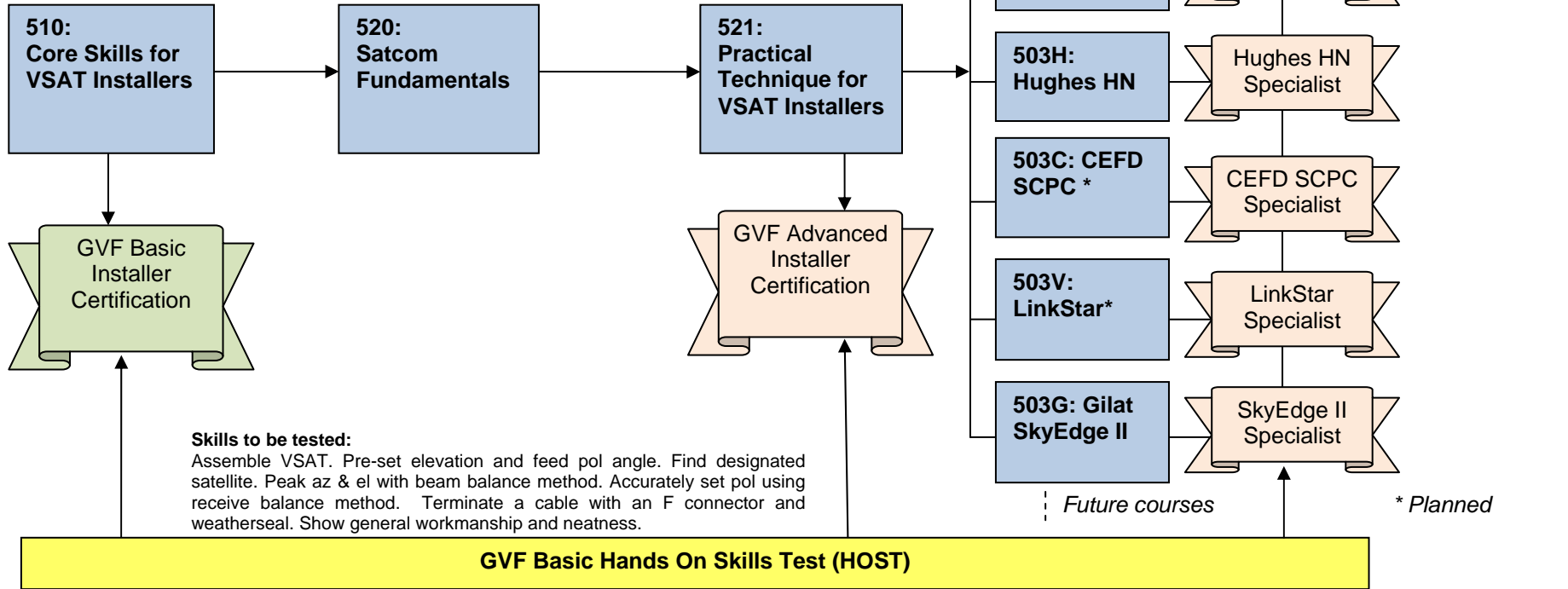
Assemble a basic VSAT; attach connector; determine az, el, & pol angles; find satellite using meter; point antenna accurately enough to prevent ASI; accurately adjust for cross-pol; decommission.

## Objectives:

General understanding of orbits; transponders; footprints; waves; rain fade; TDM, TDMA, & SCPC; signals and noise; antennas; links budget concepts; linear and circular polarization; VSAT hardware overview; IP networking basics; mobile VSAT concepts; gain/loss, levels, dB, dBm, compression, C/N & Eb/No concepts.

## Objectives:

Antenna mounts; links; VSAT hardware details; using a spectrum analyzer; site survey issues; connector and cable types; grounding; point-of-entry techniques; weatherproofing; safety issues; general VSAT troubleshooting.



### Skills to be tested:

Assemble VSAT. Pre-set elevation and feed pol angle. Find designated satellite. Peak az & el with beam balance method. Accurately set pol using receive balance method. Terminate a cable with an F connector and weatherseal. Show general workmanship and neatness.

## Supplementary instructor-led classes

Topics, locations, dates, and fees to be determined in consultation with local instructors. May include the GVF Basic Hands On Skills Test. Example topics: Review of online courses in local language; Guided hands-on skills practice; Seminar with experts on specialized equipment; Advanced troubleshooting techniques.

## Legend:



Online interactive course with simulator exercises



Certification with listing in private database only (accessible by satellite operators)



Hands-on or classroom session



Certification with listing in public and public databases (if desired)