



Satcom Professional Certification Program

GVF TRAINING AND CERTIFICATION PROGRAM

GVF's award-winning program encompasses operation, installation, and maintenance of VSAT, marine, and mobile/SNG satellite terminals, in addition to general satcom theory. GVF training is a key part of **interference prevention**.

GLOBAL ACCESS

Students learn, practice, and demonstrate their knowledge and skills with online, interactive, simulator-driven training modules developed by SatProf, Inc. Courses are self-paced and available 24/7.

Hands-on skills testing and supplementary classroom sessions are supported by GVF Examiners and Regional Training Centers located in every major region of the world.

INTEGRATED TRAINING

The GVF curriculum can be integrated with your organization's own online and classroom training on a custom portal provided by GVF, to serve your staff and customers.

WHY CERTIFICATION?

Certification demonstrates and documents your commitment to peers, employers, customers, and competitors that you use industry-endorsed best practices. It will give you and your company a competitive advantage.

Certificate holders may appear in the *Certification Database* on the GVF training website.

FOR MORE INFORMATION AND TO REGISTER

www.gvf.org/training
gvfsupport@satprof.com

TRAINING CONTENT AND SERVICES BY



BR-11 (Rev Mar 2014)

The Global VSAT Forum offers three levels of Satcom Professional certification for fixed VSAT professional installers, field technicians, and engineers.

	GVF Satcom Professional 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 professionals		✓	✓
Solid knowledge and skills for installation, maintenance, and troubleshooting of specific equipment types			✓
Online courses required	GVF 510	GVF510 GVF520 GVF521	GVF510 GVF 520 GVF 521 GVF 503x (for each specialty)
Hands on skills test required	GVF Basic HOST	GVF Basic HOST	GVF Basic HOST. <i>Some Specialist certifications may also require additional specific hands on skills testing.</i>

GVF Satcom Professional Certification Paths

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:

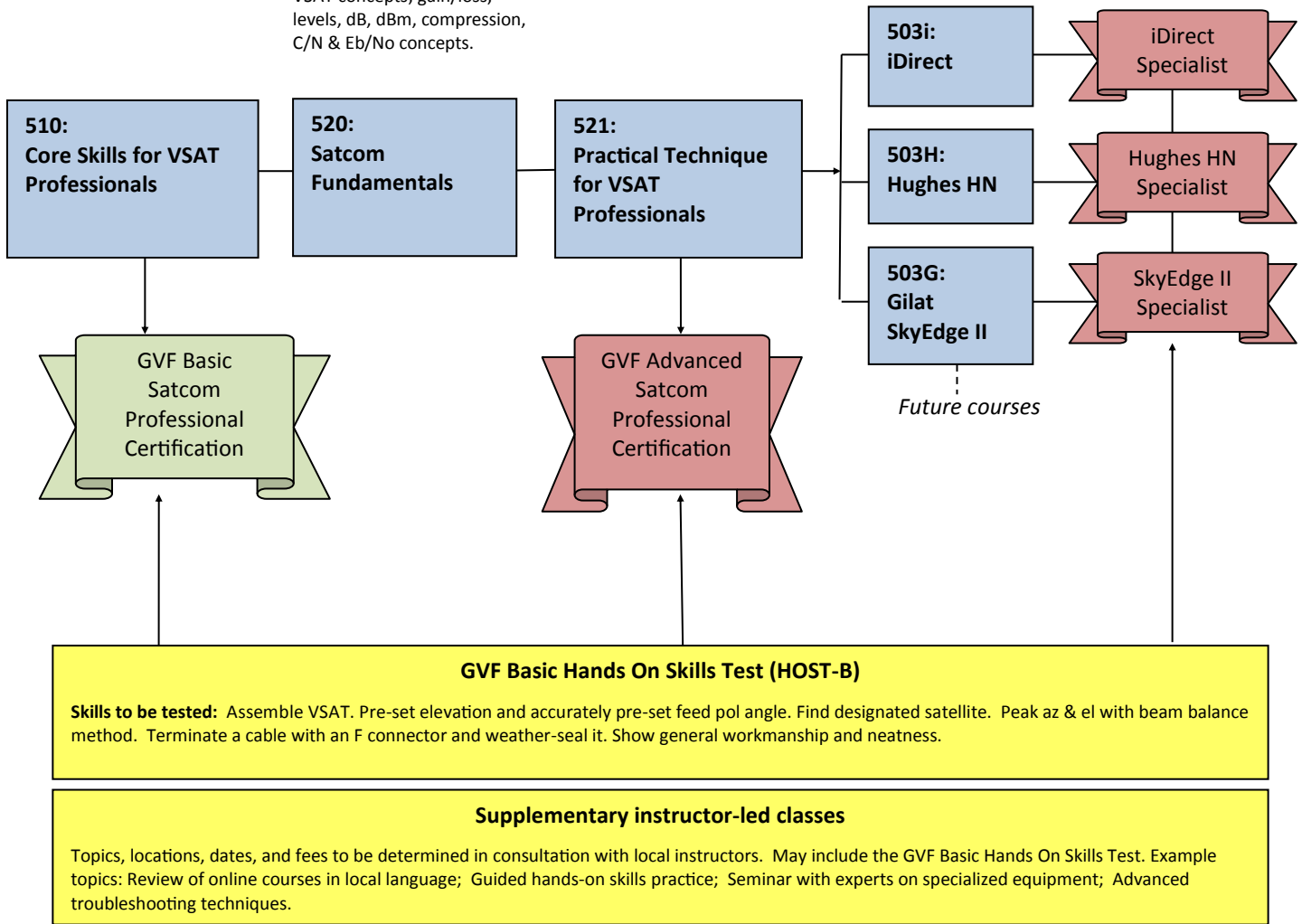
General understanding of orbits; transponders; footprints; waves; rain fade; TDM, TDMA, & SCPC; signals and noise; antennas; links budget concepts; linear and circular polarization; VSAT hardware overview; IP networking basics; mobile VSAT concepts; gain/loss, levels, dB, dBm, compression, C/N & Eb/No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

Objectives:

Network operation; modem models, features, and connections; using the modem as a meter for accurate pointing; cross-pol alignment procedures; step-by-step procedure for installing and activating a typical VSAT; equipment-specific maintenance and troubleshooting.



Legend:



Online interactive course with simulator exercises



Certification with listing in private database only



Hands-on or classroom session



Certification with listing in public databases (if desired)



www.gvf.org

GVF is the global association of the satellite communications industry. GVF is an independent, non-partisan and non-profit organization with 200+ members from every major region of the world.



www.satprof.com

SatProf administers GVF's training program, using simulator-based training to enable more than 8000 students worldwide to develop practical and interference-mitigating VSAT skills.