VSAT Installation Training

GVF HOST

Basic Hands On Skills Test

Objectives:
Verification of student's ability to use the core skills taught in online course GVF510 in a hands-on environment.

Skills overview:
Assemble a typical VSAT; pre-set pol and elevation angles; find a designated satellite; accurately peak azimuth and elevation using the beam balance method; accurately set linear polarization; terminate a cable with a connector; weather seal the connector; general workmanship and neatness.

Delivery:
The GVF Basic HOST is administered by approved GVF Examiners at locations worldwide. It may be given stand-alone or in combination with a supplementary training session, at the discretion of the instructor. Visit the On-Site Classroom Schedule page at www.gvf.org/training for details about upcoming open sessions and Examiner contact information.

Prerequisites:
The student should complete GVF510 (Core Skills for VSAT Installers) prior to attempting the HOST.

Examiner:
The required skills must be demonstrated to an approved GVF Examiner.

GVF Examiners are experienced engineers and technicians approved by GVF to administer the Basic Hands On Skills Test. If you are interested in becoming an approved GVF Examiner, visit www.gvf.org/training for an application.

GVF Satellite. Solutions The World

Global VSAT Forum
The association of the global satellite industry.

Visit online:
www.gvf.org

SATPROF

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

Visit online:
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) and formal hands-on skills testing, all managed through the GVF training portal at 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 Basic Hands On Skills Test
Student Score Sheet

Instructions for Examiner: Observe student performance of all tasks. Do not coach the student through the test; the student must demonstrate each skill without help. Mark the box (□) by each step when complete. Circle PASS or FAIL for each task. Ensure that each student can complete all tasks without assistance or coaching. When all tasks are complete, sign at the bottom of this form, notify gvfsupport@satprof.com, and fax or email this scanned form to GVF.

Skills to be tested:

1) Verify identity with passport, drivers license, or other picture ID document.
   - □ Confirm that name and contact details match online registration information. PASS/FAIL
2) Assemble VSAT
   - □ Use typical VSAT hardware including antenna and transmit/receive feed system.
   - □ Read and follow antenna instruction manual. PASS/FAIL
   - □ Assemble waveguide joints correctly. PASS/FAIL
   - □ Mount antenna without damage. PASS/FAIL
   - □ Use correct fasteners, do not miss any, and tighten per antenna manual instructions. PASS/FAIL
3) Pre-set elevation and feed pol angle
   - □ Plumb mast and use scale (if provided). PASS/FAIL
   - □ Use IDU, Internet, or other tool to find the nominal az, el, and pol angles. PASS/FAIL
   - □ Use inclinometer correctly. PASS/FAIL
   - □ Place inclinometer and add offset correctly per antenna manual. PASS/FAIL
   - □ Must get elevation preset to within 2 degrees. PASS/FAIL
   - □ Set feed pol angle correctly, with correct +/- direction. PASS/FAIL
4) Find designated satellite
   - □ Use compass to roughly set azimuth. (Mag variation correction not required.) PASS/FAIL
   - □ Set meter to identify target signal. PASS/FAIL
   - □ Scan antenna in raster az/el pattern until correct satellite is found. PASS/FAIL
5) Accurately peak azimuth & elevation
   - □ Use beam balance method on receive signal (as taught in GVF510). PASS/FAIL
   - □ Demonstrate left side, right side, and center position counts of each adjuster (Simple peaking is NOT adequate to pass.) PASS/FAIL
6) Accurately set linear polarization
   - □ Accurate pol preset (as taught in GVF510). PASS/FAIL
   - □ If uplink not allowed, perform xpol alignment with Examiner emulating SNOC. PASS/FAIL/NA
   - □ If uplink is allowed, call satellite operator and perform uplink xpol alignment. PASS/FAIL/NA
7) Terminate a coaxial cable with a connector
   - Style used: □ Crimp □ Compression □ Other _____
   - Type used: □ F connector(preferred) □ N connector
   - Cable type used: □ RG-6 quad shield. □ Other_____
   - □ Trim cable, inspect per GVF510. Show to examiner before attaching connector. PASS/FAIL
   - □ Attach connector per GVF510. PASS/FAIL
8) Weatherseal the connector
   - □ Use method taught in GVF510 or approved alternative. PASS/FAIL
9) Show general workmanship and neatness.
   - □ Proper use of tools. PASS/FAIL
   - □ No damage to antenna, equipment, or cable. PASS/FAIL
   - □ Dress cables neatly. PASS/FAIL
   - □ Clean up when finished. PASS/FAIL

Student first name:_____ Last name: _____

Email:_____ OR Username _____OR Last 8 digits of ID no_____

Student signature:_____

Overall result: □ Pass □ Did not pass. If did not pass, summarize why not: _____

Date: _____ Examiner signature: _____

Examiner name: _____