Contractor Requirements

The following are contractor training requirements for installing, maintaining, and repairing manufacturer's enhanced vapor recovery (EVR) equipment. Unless otherwise specified below, installation, maintenance and repair of system components, including removal and installation of such components in the course of any required tests, shall be performed by technicians certified by the appropriate manufacturer.

In addition to the training requirements below, the contractor is responsible for providing the warranty tag, included with each component, to the service station owner/operator at the time of installation.

VST Contractor Requirements

Due to the highly volatile nature of gasoline and its handling and storage, VST requires the following certifications for its Authorized Service Contractors (ASC's):

	Level A Re-cert every 2 years	Level B Re-cert every 2 years	Level C Re-cert every 2 years	Level D Re-cert every 2 years
Component	• Hanging Hardware	• Hanging Hardware • ECS Membrane Processor	• Hanging Hardware • ECS Membrane Processor	• Hanging Hardware • *Green Machine*
Authorized Tasks	• Functional Testing • Installation • Maintenance & Repair	• Installation	• Installation • Functional Testing • Start-Up • Troubleshooting • Maintenance & Repair	• Installation • Functional Testing • Start-Up • Troubleshooting • Maintenance & Repair
Training Pre-Requisites	• None	• VST Level A • *Veeder-Root Installer Certification[1] or ATG Technician Certification[2] or VR Vapor Products Certification[3].	• VST Level A/B • Veeder-Root Vapor Products certification[3]	• VST Level A • Veeder-Root Vapor Products certification[3]

NOTE:

Depending on local codes, in addition to the VST and Veeder-Root training, contractors may be required to take air- district training or ICC certification as an approved vapor-recovery installer.

*Veeder-Root Installer Certification is a pre-requisite for ATG Technician Certification.

Provided that there are no other local district requirements, a GDF owner/operator can, without obtaining contractor/installer certification from VST, remove and install ARB-certified VST nozzles, curb hoses, breakaways, and whip hoses.

[1] Installer Certification – Installation (Level 1) Course in Veeder-Root UST Monitoring Systems
[2] ATG Technician Certification – Veeder-Root Startup & Service Technician (Level 2/3/4) in TLS-3XX UST Monitoring Systems (including Secondary Containment Vacuum Sensing – CA Only)
[3] Vapor Products Certification – Veeder-Root Vapor Products – In-Stage Diagnostics – Carbon Canister Vapor Polisher – PMC – Wireless ISD/PMC

- ASC's must be able to show proof of certification if asked. Carry the wallet card or have a copy of your certification on file with the GDF.
- The ASC must record his or her certification number on the applicable paperwork for all warranties to be deemed valid.
- Contractors should **ALWAYS** verify the training and certification requirements with the air-district staff **BEFORE** beginning installation of EVR systems.
- To verify contractor training go to the following website: http://www.vsthose.com/cert_contractors.aspx

Veeder-Root Contractor Requirements

Veeder-Root Contractor Certification Requirements	Installer Certification[6]	ATG Technician Certification[7]	VR Vapor Products Certification[8]
Install[1] ISD	√	√	√
Install PMC	√	√	√
Install CCVP	√	√	√
Install Wireless ISD/PMC	√	√	√
Installation Checkout[2]		√	√
ATG Startup[3] / Training[4] / Service[5]		√	√
ISD Startup / Training / Service			√
PMC Startup / Training / Service			√
CCVP Startup / Training / Service			√
Wireless ISD/PMC Startup / Training / Service			√
Install Pressure Sensor (ATG)	√	√	√
Maintain Pressure Sensor (ATG)		√	√
Calibrate Pressure Sensor (ATG)		√	√
Clear ATG Pressure Sensor Alarm (ATG)		√	√
Clear ISD/ PMC alarms (ISD/PMC)			√

[1]Perform wiring and conduit routing; equipment mounting
[2]Inspect wiring and conduit routing; equipment mounting
[3]Turn power on, program and test the systems
[4]Provide supervised field experience in service techniques and operations
[5]Troubleshoot and provide routine maintenance as specified in the IOM
[6]UST Monitoring Systems – Installer (Level 1)
[7]Certified UST Monitoring Technician
[8]VR Vapor Products

A current Veeder-Root Installer Certification is a prerequisite for the ATG Technician Certification course.

- Veeder-Root certification training is given in a classroom environment.
- To confirm TLS or ISD training a regulator should send an email to technicaltraining@gilbarco.com with the name (and company) of the ASC to obtain verification of the ASC TLS/ISD training status or call 800-997-7725 and press “4” to get to the Veeder-Root menu and then “*” to speak to a representative or sign on to the Gilbarco Learning Suite at http://wise.gilbarco.com.

EMCO Contractor Requirements

Level	Component	Authorized Tasks	Training Pre-Requisites
A Must be re-certified every two-years	• EMCO Hanging Hardware • Goodyear Maxxim Premier Plus Hose	• Installation • Functional Testing • Preventive Maintenance • Repair	No pre-requisite
Note: **Depending on local codes, in addition to EMCO training, contractors may be required to take air district training or ICC certification as an approved vapor recovery installer.** **Provided that there are no other local district requirements, a GDF owner/operator can, without obtaining contractor/installer certification from EMCO, remove and install ARB-certified EMCO nozzles and breakaways and Goodyear curb hoses and whip hoses.**			

- EMCO certification training is given in a classroom environment.
- EMCO Certified Technicians must be able to show proof of certification if asked. Carry the wallet card or have a copy of your certification on file with the gasoline dispensing facility.
- EMCO Certified Technicians must record his or her certification number on the applicable paperwork for all warranties to be deemed valid.
- To verify EMCO contractor training go to the following website and click on contractors: http://www.emcoretail.com

EMCO Certified Technician should **ALWAYS** verify training and certifications requirements with the air district staff **BEFORE** beginning installation of EVR systems or components.

Hirt Contractor Requirements

Technician Certification	Contractors holding valid Installer Certification are approved to perform VCS 100 processor and indicator panel installation; wiring and conduit routing; start-up; maintenance; troubleshooting; and parts replacement.
NOTE: **Depending on local codes, in addition to the Hirt training, contractors may be required to take air-district training or ICC certification as an approved vapor-recovery installer.**	

- Hirt installer certification training is given in a classroom environment.
- To verify contractor training call (562) 692-1490.

FFS/Healy Contractor Requirements (for CAS)

- Unless specified otherwise, only skilled technicians that are trained, certified and licensed by Franklin Fueling Systems (i.e. Healy or INCON Certified Technicians) are able to perform installation, maintenance or repairs of components manufactured by Franklin Fueling Systems or warranty will be void.

- It is the responsibility of each Healy Certified Technician to be familiar with the current requirements of state, federal, local codes and air district rules and regulations for installation and repair of gasoline dispensing equipment.

- It is also the responsibility of the Healy Certified Technician to be aware of all the necessary safety precautions and site safety requirements to assure a safe and trouble free installation.

- To confirm a Healy or INCON Certified Technician training status, a regulator can access a searchable database at the following web site:

http://techlab.franklinfueling.com/mod/resource/view.php?id=64

INCON ISD Contractor Requirements

Level	Description of Certification
1	**Tank Sentinel (TS) Installation certification**: An installer that successfully completes this level will be certified to install the Tank Sentinel (TS) consoles, probes, and accessories. The certified technician is certified to install and wire, Consoles, Probes, sensors and auxiliary equipment.
2	**Tank Sentinel Start-up/Programming/Warranty certification.** A technician that successfully completes this level will be certified to start-up, program, and perform warranty service on Tank Sentinel (TS) consoles, probes, and accessories. The certified technician is certified to do set up programming, troubleshooting, repair work and warranty work. **Prerequisite: The individual must have successfully completed Level 1 installation certification before taking Level 2.**
5	**VRM (Vapor Recovery Monitoring).** A technician that successfully completes this level will be certified to install, operate, test, and perform warranty service on the VRM System. **Prerequisite: Prior to taking the Level 5 course the individual must successfully pass Levels 1 and 2.**
NOTE: **Depending on local codes, in addition to the INCON training, contractors may be required to take air-district training or ICC certification as an approved vapor-recovery installer.**	

- An INCON Vapor Recovery Monitoring (VRM) Certified Technician needs to have completed training Levels 1, 2, and 5.

- Only an INCON certified Vapor Recovery Monitoring (VRM) Technician or service person is allowed to make setup changes, clear alarms, and access areas internal to the Console.

- INCON VRM Certified Technicians must be able to show proof of certification if asked. Carry the certification card or have a copy of your certification on file with the gasoline dispensing facility.

  INCON VRM Certified Technicians must record his or her certification number on the applicable paperwork for all warranties to be deemed valid.
- To confirm a Healy or INCON Certified Technician training status, a regulator can access a searchable database at the following web site:

  http://techlab.franklinfueling.com/mod/resource/view.php?id=64

- Re-Certification: INCON VRM Certified Technician must be re-certified every two years for any level.

  Franklin Fueling Systems – INCON will re-certify individuals as their certification period nears expiration and notify certified individuals, in writing (via E-Mail) of any changes to the Executive Order, equipment, installation instructions, or any of the elements outlined in the training plan. Changes or additions to INCON products may require re-certification prior to the two-year expiration date. FFS will offer recertification training via face-to-face classes or on-line self-paced course work at http://techlab.franklinfueling.com/

OPW Breakaway Contractor Requirements (for 66CLP)

- OPW offers contractor training on the 66CLP breakaway, but the completion of a training course is not required to install, reconnect or repair the breakaway.
- OPW recommends that the GDF Owner/Operator or VST ASC Levels A, B, C technician or EMCO Level A technician review the latest 66CLP installation and maintenance manual on the OPW Internet site (www.opwglobal.com) prior to installing, reconnecting or repairing an OPW 66CLP breakaway.
- It is the responsibility of each GDF Owner/Operator or service technician to be familiar with the current requirements of federal, state and local codes.
- It is the responsibility of each GDF Owner/Operator or service technician to be familiar with the local air district rules and regulations for installation and repair of OPW breakaways.
- It is the responsibility of each GDF Owner/Operator or technician to be aware of all of the necessary safety precautions and site safety requirements to assure a safe and trouble free installation or repair.
- A current list of OPW EVR certified technicians is located at: http://www.opwglobal.com/Contact/EVRTrainedTechnicians.aspx

www.opwglobal.com