New Technician Training Tool Requirements

Attendees to New Technician Training are required to bring these tools to class.

All ETC Technicians are required to carry these tools to all ETC commissioning and/or warranty service calls.

All items marked with an asterisk {*} denote a new requirement or recommendation.

Hand Tools:
- 6-12" Channel Lock Pliers
- Cat 5 Fault tester - with these features: tests continuity, wire sequence/pairs, and wire length*
- Diagonal cutting pliers (fine)
- DMX Test device with "flicker finder" function. ETC recommends the Gizmo, by Doug Fleenor-Design, Inc. (Ask for the ETC discount when you order yours from Doug)
- Knife (X-Acto, utility knife)
- Needle Nose Pliers (fine)
- Paper & Pencil/Pens
- Punch-down tool with #110 blade
- Small Ethernet Switch (preferably equipped with PoE)*
- Standard L-Allen Wrenches
- Triple Tap or tap set, with the following sizes: 4-40, 6-32, 8-32, 10-32*
- T-Strippers 16-26 AWG, 22-30 AWG
- 8" Crescent Wrench
- Crimper
- Disposable lighter, at least 2
- Flashlight (you may find a headlamp to be handy)
- Machinist scribe
- Needle Nose vise grip
- Precision Screwdriver Set (Jeweler's Screwdrivers)
- Screwdriver set (large and Small Phillips and flat blade)
- Socket Set (1/4" ratchet and driver, socket size: 3/16" to ½")*
- Tone/Probe Kit
- True RMS Voltmeter
- Telescopic inspection mirror*
- Wire labeler*
- Two 1GB SD cards. ETC has tested and recommends the Transcend 1GB SD card.
- SD card reader (Internal or external to PC)

These tools are not required, but that you may find useful for service work:
- 5" Hemostat
- Linesman Pliers (Klein)
- Master MT-10 Micro-Torch
- Multi-Tool
- Paint Brush, Natural Bristle (for cleaning
- racks)
- Slip Joint Pliers (6-8")
- Tweezers
- Wireless router and iPod Touch with iRFR software (useful for ringing out circuits in conjunction with the site's console)*

See next page for computer and software requirements.

Laptop Computer Requirements:

The laptop MUST have: (NO EXCEPTIONS)

- Windows XP 32-bit Professional or Windows 7 32-bit **(please do not bring your Macintosh computer to class or a jobsite in lieu of a Windows based PC)**
- Internet Explorer version 7 or higher
- 2.0 GHz Pentium Processor or better
- DVD Drive (Internal or external)*
- Floppy disk drive (internal or external)
- Minimum Resolution of 1280x1024
- 1 GB RAM (2 GB recommended)
- Ethernet Adapter
- Graphics card with OpenGL Support
- Native Serial Port (built into the laptop - not a USB Adapter)
- Second Ethernet Adapter

ETC Field Service Engineers currently use the Dell Latitude lines with a Dell Port Extender to accommodate serial port needs. Specific laptop specifications are available any time from ETC Field Service.