

## Certified Cabling Test Technician DTX Series Cable Analyzer Course Overview (1 Day)

The Fluke Networks Certified Cabling Test Technician (CCTT) DTX Series course is a one day onsite course for up to 16 students. CCTT training is a great way to ensure you get the most out of your DTX Series Cable Analyzer test equipment.

- **WHO:** The course is designed for contractors and enterprise network owners who currently own or anticipate owning the DTX Series cable analyzers. The class is conducted by a Fluke Networks training specialist.
- **WHY:** The CCTT course provides "expert" level training on the DTX Series Cable Analyzer. When the specification or scope of work requires "certified" technicians on the job, the CCTT course meets and exceeds the requirement. After taking the CCTT course, the technician will be able to better utilize the dynamic capabilities of the DTX cable tester, thus significantly increasing his productivity and competency in the field.
- **WHAT:** The standard CCTT DTX Series course lasts for one day from 8:00am to 5:00pm. This class covers the current TIA standards (568-B) and then focuses exclusively on maximizing a technician's productivity with the instrument. Two-thirds of the day concentrates on "in-channel" copper testing and certification, with the balance of time spent on Tier 1 multimode fiber testing and certification. There is extensive hands-on with factory supplied Fluke Networks' DTX-1800 Cable Analyzers. At the end of the class, the students will take an exam. If desired, LinkWare software will be covered after the conclusion of the main course for those individuals that will use the software program (typically project managers). After successful completion of the class, Fluke Networks will mail certificates to the students. ***This class qualifies for 7 BiCSi continuing education credits.***
- **WHEN:** Due to the popularity of the CCTT program, onsite classes typically schedule 8 to 12 weeks in advance. Class dates are available on a first come, first served basis.
- **WHERE:** The CCTT DTX Series course is available primarily as an "onsite" class at the customer's facility. The customer is responsible for providing the training room.
- **COST:** An all-inclusive "flat rate" price of \$3,500 USD per day (\$3,500 CDN) is valid for up to 16 students within the continental 48 States and southern Canada. For a full onsite class, this represents a cost of only \$219 per person. Please call for current pricing in Hawaii, Alaska, and the NW Territories. Contact David Gibbs at Fluke Networks (425.446.5912) or e-mail [cctt\\_info@flukenetworks.com](mailto:cctt_info@flukenetworks.com) to obtain a quote and schedule a class.

Note: For smaller companies who cannot afford onsite training, open registration classes are offered several times per year across the United States and charge on a "per person" basis. A list of open registration classes is at [www.flukenetworks.com/ccttregistration](http://www.flukenetworks.com/ccttregistration).

Get more information on the CCTT program at [www.flukenetworks.com/cctt](http://www.flukenetworks.com/cctt).

## **Certified Cabling Test Technician DTX Series Cable Analyzer Course Outline (1 Day)**

### **I. Copper Testing and Certification**

#### *A. Copper Test and Certification Standards*

1. TIA 568-B standards plus an update on 10G Ethernet / Cat 6a
2. Permanent Link versus Channel Testing
3. Testing with accuracy and repeatability

#### *B. Product Overview – DTX Series Cable Analyzer*

#### *C. Copper Hands-on Testing and Certifying*

1. Proper Setup and Configuration
2. Cable Testing – Passing an Autotest
  - a) Interpreting Results
  - b) Labeling and Saving Tests
3. Cable Testing – Failing an Autotest
  - a) Basic Diagnostics – Fault Info
  - b) Advanced Diagnostics – HDTDX and HDTDR

### **II. Fiber Testing and Certification**

#### *A. Networks and Fiber Basics*

#### *B. Fiber Test and Certification Standards*

1. TIA 568-B and TSB-140 fiber cabling test standards
2. IEEE application standards

#### *C. Fiber Hands-on Testing and Certifying*

1. Proper Setup and Configuration
2. Cable Testing per the TIA Standards
  - a) Interpreting TSB-140 Tier 1 Test Results
  - b) Labeling and Saving Tests
  - c) Troubleshooting a failure