



CMT-09-125 COPPER & OPTICAL

FLUKE NETWORKS CERTIFIED CABLING TEST TECHNICIAN (CCTT) TRAINING COURSE

2 DAYS DURATION - DESIGNED FOR ALL SKILL LEVELS

FLUKE
networks
Certified

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CALL 1800 256 838


TITAB AUSTRALIA
Endorsed

FLUKE NETWORKS CERTIFIED CABLING TEST TECHNICIAN (CCTT) TRAINING COURSE

COURSE OUTLINE

The Fluke Networks Certified Cabling Test Technician (CCTT) training course is designed for those who want to improve their installation speed, identify cabling fault conditions and eliminate rework. This course will teach users how to get the most out of test equipment, which is needed to certify, commission and fault-find cable installations. The course covers both copper and optical network installation certification.

DAY 1 COPPER TESTING AND CERTIFICATION

Copper Test and Certification Standards

1. Current ISO testing standards
2. Permanent Link versus Channel Testing
3. Testing with accuracy and repeatability

Product Overview – DTX Series Cable Analyzer

Copper Hands-on Testing and Certifying

1. Correct Setup and Configuration
2. Cable Testing – Passing an Autotest
 - a) Interpreting Results
 - b) Labeling and Saving Tests
 - c) Test Result Management with Linkware PC Software
3. Cable Testing – Failing Autotests
 - a) Basic Diagnostics – Fault Info
 - b) Advanced Diagnostics – HDTDX and HDTDR

DAY 2 FIBRE TESTING AND CERTIFICATION

Network Evolution and Fibre Optic Basics

Fibre Optic Measurements – Loss and Dispersion

Fibre Test and Certification Standards

1. ISO 11801 and ISO/IEC 14763-3 fibre cabling test standards
2. Tier 1 and 2 certification

Fibre Hands-on Tier 1 Certification with the DTX MFMs

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

Fibre OTDR Basics – Interpreting OTDR Traces

1. Hands-On – Tier 2 Testing with the DTX-OTDR
2. Intro to DTX-OTDR – Setup and Special Functions
3. Tier 2 OTDR Testing and Analysis
4. Creating custom test limits to yield “pass/fail” results

LinkWare Records Management and Report Generation



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COURSE INFORMATION

Course locations:

Melbourne, Adelaide, Sydney, Hobart, Canberra, Cairns, Brisbane, Darwin & Perth.

Course Times: 8.00am to 5.30pm.

Duration: Two days.

Training is available Australia-wide.
Please contact Celemetrix for details.

Included: Instructor, data projector, test equipment (cable tester & OTDR), training manual per attendee, 1 week phone support.

COURSE OVERVIEW

Increased data rates are driving higher cabling commissioning standards for installed optical and copper cabling infrastructure. Leaders in the industry know that they must assure quality standards to initiate installed cabling warranties and at the same time ensure work force efficiency is optimised.

As a certified Fluke training and service partner, Celemetrix will provide attendees with all the required information to confidently understand, maintain and assess the quality of CAT 5/6/7 and optical fibre communications networks. Attendees will be introduced to all components of CAT 5/6/7 and optical network architectures and learn how to commission and fault-find associated networks using advanced test instrumentation including the Fluke DTX cable testers and OptiFiber Certifying OTDR and more.

This industry approved course offers attendees the chance to apply their theoretical knowledge to our real world practical lab where they will test, certify and fault-find networks to ensure maximum knowledge transfer.

12 - 15 people per course.

Training is available throughout Australia.

WHY ATTEND THIS TRAINING?

- Understand cabling and testing standards
- Learn to use advanced diagnosis tools HDDTX, HDTDR and OTDR
- Become more productive in testing, certifying and troubleshooting cable systems
- Learn to create professional test reports adding value to your service
- Make the most of your Fluke DTX cable analyser
- Receive seven BICSI continuing education credits.

FURTHER INFORMATION

Call or email Celemetrix today, our courses result in the highest knowledge transfer and are industry Certified.

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