Hands-On

OSP Tester Training

Dynatel 965 DSP, Sidekick & 3M 2273

Course Description

This 2-day Hands-On course will train your technicians how to fully utilize the 3M 965 DSP fault location test set. Students will learn how to operate this unit, and analyze the results. Fault simulators will be used in the classroom for hands-on lab exercises. Students will learn how to locate resistive, capacitive and cross-battery faults using the 965 DSP.

Emphasis will be placed on how to effectively use the TDR function in this unit. Most technicians in the field today only utilize about 30 of this test instruments capabilities our goal is to have a 100 of this test instruments capabilities put to use in the field .

No sales pitch in this course, just training!

Our SMEs have the field experience to find the answers to real live scenarios, providing students with a Real-World Experience

This course will be instructed by a nationally known expert in telecom training and is also a factory trained and certified instructor on the 3M 965 DSP and 2273 fault locators.

Students Will Learn

- **Fault Location**
- **How to Choosing the Correct Test Set**
- **Capacitive Fault Location**
- **Resistive Fault Location**
- **Cable Pair Balance**
- **TDR/SA Operation**
- **Fed II Devices**
- **Wideband Testing**
- **Advanced Trouble Analysis**
- **Sheath Faults**
- **And More**

Target Audience

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Persons responsible or involved in fault location, repair of twisted pair telecommunications cables and anyone requiring Hands-On skills for supporting, utilizing and/or the maintenance of OSP Test Equipment.

Prerequisites

Basic electrical concepts. This information can be obtained in our course(s)
-Hands-On Basic Telephony & TeleCom Electronics

Course Outline

I. Safety

II. Fault Location Review

A. Resistive Faults
B. Capacitive Faults
C. Sheath Faults

III. 965 DSP Operation

A. Active Tests
B. Inactive Tests
C. Fault Locator
D. TDR
E. Wideband Tests

IV. Capacitive Fault Lab Procedures

A. Opens
B. Splits
C. Water Ingress

V. Resistive Fault Lab Procedures

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A. Short Locate
B. Ground Locate
C. Battery-Cross Locate
D. Side-Cross locate

Equipment Featured

3M DynaTel 965 DSP
(Other Equipment if Applicable)
3M 2273
Sidekick

Notes

(other test sets can be incorporated)

Delivery Method

Instructor lead with hands-on exercises. This course will be instructed by a nationally known expert in telecom training and is also a factory trained and certified instructor on the 3M 965 DSP and 2273 fault locators.

Equipment Requirements

(This apply's to our hands-on courses only)

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

Course Length

2 Days

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