



ET2.0: Telecommunications Technical Curriculum (TTC) Program 2: General Telecommunications Knowledge Course 3: Network and Test Equipment

PROGRAM OVERVIEW

The ExperTech 2.0 series is a library of CD-ROM or intranet-based products covering key communications topics. Seminar style presentations provide telecom professionals with easy access to the information they need. Topics are presented by Hill Associates instructors renowned for their technical expertise, industry experience, and outstanding presentation style.

The *Telecommunications Technical Curriculum (TTC)* has a total of five programs, each of which consists of one or more courses. TTC is a modular, yet comprehensive program designed around the needs of those who want the details but cannot attend a more traditional classroom-based, leader-led program.

Program 2: General Telecommunications Knowledge is a three course series that deals with general concepts and terminology related to the information representation and transmission. In this third course of the series, *Network and Test Equipment*, we provide an overview of equipment commonly found in telecommunications networks. In this course, you will explore diagrams of residential, commercial and service provider networks and get a brief introduction to basic equipment found in these networks. You will also get a brief introduction to commonly used network test and analysis equipment.

Program 2, Course 3: Network and Test Equipment runs 36 minutes, and includes four lessons of audio, interactive elements, review slides, section knowledge checks and a final exam. The participant can expect to spend about twice this amount of time to complete the course.

This program has three primary objectives:

- Discuss the various equipment found in telecom networks
- Explore diagrams of residential, commercial, and service provider networks
- Provide a high-level overview of telecom network test equipment

Specific topics can be developed, or packaged together to create a unique and customizable curriculum. All of our standard titles are available for preview at our store (www.hill.com/store).

About Hill Associates

At Hill Associates, we excel at creating custom talent development programs. Our experts help identify and assess your needs, and create training and educational programs that exactly meet those needs. Though we specialize in information technology, we've strengthened companies and organizations in a wide range of industries for over 25 years. Let us help you create a world-class talent development program that moves your business forward.

PROGRAM OUTLINE

Lesson 1: Customer Premises Equipment

- Explore typical residential and commercial network elements and their roles
- Example pictures of actual equipment included

Lesson 2: Access Network Equipment

- Examine diagrams of typical multiple service operator (MSO) and local exchange carrier (LEC) access network equipment
- Example pictures of actual equipment included

Lesson 3: Transport Network Equipment

- Examines diagrams of a typical optical transport network deployed by either an MSO or LEC
- Click on various equipment elements to see photos and descriptions of each type, and the role each plays in the network

Lesson 4: Network Test Equipment

- Provides a high-level overview of network test and monitoring equipment commonly found in telecommunications networks