



ET 2.0: Telecommunications Technical Curriculum (TTC)

Program 1: General Industry Knowledge

Course 1: The Telecommunications Industry

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 1: General Industry Knowledge is a one course program designed to introduce you to the telecommunications industry. *Course 1: The Telecommunications Industry* deals with general concepts and terminology related to the telecommunications industry. You begin by exploring the industry historically, using interactive timelines that explore the emergence and development of the industry. You then learn to identify the primary types of telecommunications companies and to define critical regulatory and industry terminology. Finally, you explore the characteristics of voice, video, and data networks and discover what "convergence" means.

Program 1, Course 1: The Telecommunications Industry runs 85 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 four primary objectives:

- Identify and describe important historical events in telecom
- Discuss the various types of key players in the industry
- Review the primary telecom regulatory terminology and issues
- Differentiate between traditional voice, data and video networks

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: A Brief History of Telecommunications

- Explore timelines for the development of voice, data and television network infrastructures

Lesson 2: Industry Players and Their Roles

- LATA definition
- Types of companies delivering telecom services in North America

Lesson 3: Regulatory Terminology and Issues

- Primary standards organizations and regulatory agencies
- Terminology definitions (tariff, access charge, reciprocal compensation, universal access fund, cable franchise agreement)

Lesson 4: Basic Network Types

- Differentiate between traditional voice, data and video networks
- The concept of convergence
- Moving towards a single network infrastructure
- Differentiating circuit and packet switching