



## Broadband Immersion

### PROGRAM OVERVIEW

Hill Associates's unique *Broadband Immersion* program uses a variety of delivery methods to immerse participants in the world of broadband technologies and their application to communications, network design, and operation. What makes the program special is its use of several teaching approaches to provide a comprehensive learning experience—participants learn in a classroom setting and via webinars, self-paced classes, and group projects. Our expert instructors coordinate the webinar sessions via a collaborative Web tool to encourage interaction among participants and help deepen their understanding. Each session focuses on a specific aspect of broadband technology or its application, and participants exit the program with a unique perspective of the technological issues facing service providers.

We will customize the program to meet your requirements. We will work with you to identify the specific technologies to discuss, to understand your particular concerns regarding competition, and to develop research projects that raise specific issues facing your business.

The program has five primary objectives.

- Examine the current and emerging communications technologies
- Describe common application characteristics and requirements
- Research topics of concern to the client
- Apply technology understanding to your business issues
- Align the program with your strategic direction

We will also work with you to define the number and length of the sessions. Programs can range from five to fifteen sessions, based on your requirements. A typical program opens with one or more sessions to set the foundation. Subsequent modules explore specific technologies and their application. Topics might include optical core transport, Ethernet, IP, MPLS, VPNs, VoIP, video distribution, wireless networks, and IP multimedia subsystem.

The multi-session approach gives participants time to absorb the content and apply it to real network scenarios. Classroom sessions—or webinar sessions, whatever meets your company's needs—are usually delivered one month apart. Between these sessions participants work on self-paced courses or team research projects. Overall, the program offers a continuous, intense learning environment, with minimum disruption to the participant in the workplace.

### About Hill Associates, Inc.

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.

### SAMPLE PROGRAM OUTLINE

#### Session 1: Foundations (classroom or webinar)

- Contemporary network architectures
- Competitive landscape
- Regulatory environment

#### Session 2: Network Models and Suites (online course)

- Communications models
- Network terminology

#### Session 3: Ethernet and IP in Carrier Networks (classroom or webinar)

- Ethernet fundamentals
- Carrier Ethernet services
- IP fundamentals
- MPLS and VPNs

#### Session 4: Network Team Projects

- Projects defined in conjunction with client

#### Session 5: Network and Service Integration

- Research project readout
- Integrated services architecture
- IP multimedia subsystem (IMS)