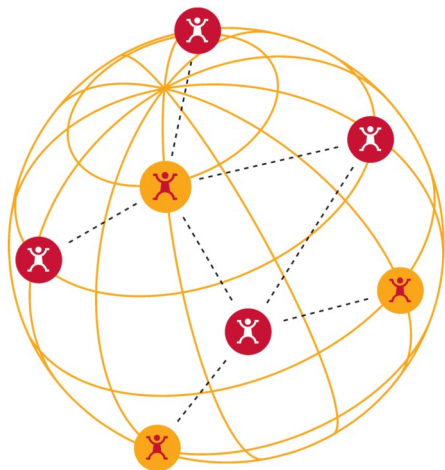


## TRAINING PROGRAM OUTLINE



### ENG-102E TELECOM TRAFFIC ENGINEERING

#### DESCRIPTION

A 5-day Training Program to provide participants with the basic knowledge, tools and methods to successfully perform necessary traffic engineering activities and tasks.

#### OBJECTIVES

- Provide the fundamental principles of traffic engineering
- Present the management of traffic through telecommunications networks
- Provide the knowledge necessary to evaluate telecommunications network traffic solutions
- Give an understanding of network design associated with traffic engineering



## TOPICS

- Trends in telecommunications
- Overview of telecommunications technologies and services
  - Classic telephony systems
  - Signaling System No. 7 (SS7) protocol and its applications
  - Transmission systems
  - Telecommunications technologies
  - Telecommunications environments for data transmission
- Traffic engineering concepts
- Probability calculations used in traffic engineering
- Applications of basic traffic formula to evaluate grade of service, blocked calls and trunk capacity
- Queuing theory
- Types of traffic measurements
- Measurements in existing networks
- Network design considerations
- Calculations related to traffic engineering

## TARGET AUDIENCE

- Telecommunications managers and personnel responsible for traffic engineering and traffic management



- Managers looking to complement their skill-set by gaining a sound understanding of telecommunications traffic engineering concepts

## METHODOLOGY

Our Training Programs combine expert presentations, workshops, case studies and discussions on real-life situations faced by participants. Complete training material is provided to all participants for future reference and follow-up action plans.

## LOCATION

Our Training Programs are held at regular intervals in selected cities around the world. Upon request, our expert trainers can lead Training Programs at the location of your choice. If interested, please contact us at [training@neotelis.com](mailto:training@neotelis.com).

## EXPERTISE

Neotelis provides consulting and training services to telecommunications organizations worldwide. Its team of experts has trained thousands of executives and managers working for operators, regulators, policy-makers and governments in over 100 countries around the world.

