

Course ID
CELLPLAN
Course Duration
3 days

Course Title
Cell Planning and Site Development

Related Courses

- Wireless Technologies: A Comparative Study (COMPARISON, 2-4 days)
- RF Propagation Models, Fading Characteristics, and Link Budget Analysis (RFPROP, 3 days)
- GSM: Network Architecture, Operation, and Design (GSM-I, 5 days)
- GPRS: Network Architecture, Operation, and Design (GPRS, 3 days)
- EDGE: Network Architecture, Operation, and Design (EDGE, 2 days)
- iDEN™: Network Architecture, Operation, and Design (IDEN, 4 days)
- cdmaOne/IS95 (IS95, 2 days)
- 1xRTT: Network Architecture, Operation, and Design (1XRTT, 2 days)
- UMTS-FDD: Network Architecture, Operation, and Design (UMTSFDD, 3 days)
- Traffic Engineering Models for Network Design (TRAFFIC, 3 days)

Aimed At

Relatively new wireless engineers who wish to learn the systematic process for cell planning and site development. The standard presentation of this course assumes a bachelor of science in Electrical Engineering, Mathematics, Physics, or a related subject along with an appropriate background in communications.

Group Size

5-25

Prerequisites

- Wireless Network Structure, Operation, and Technologies (WIRELESSNET, 3 days)
- At least one year experience in the planning or design of a wireless network using any major technology

Course in a Nutshell

Whatever the technology, the base stations and the associated costs constitute a good chunk of the operator's capital and operating expenditure. Therefore, developing a good plan for selecting and deploying the cell sites is a matter of utmost importance.

This course will help you master the systematic process for efficiently planning and developing sites to cover a given region. You will learn how to quantify the cost/benefit issues that drive the development of sites, evaluate candidate sites, and rank them in preference order, thus achieving optimum coverage. While the processes taught in the course apply equally well to all technologies, our in-class examples and discussions will draw from the technologies of particular interest to the audience.

Customize It! Customize this course to your specific needs at little-to-no additional cost. We offer distinct versions tailored for:

- Network design and optimization engineers
- Drive test technicians
- Site development managers
- Real estate, zoning, or legal professionals
- Particular technologies and implementation scenarios, e.g., green-field versus overlay

Course Outline We will provide a detailed course outline following training needs assessment. Please call or e-mail to schedule a no-obligation conference call to help us understand your audience background and training objectives.

How You Will Learn

- You will learn in interactive lecture format from an instructor who's among the most knowledgeable and dynamic in the industry.
- Along with lecture, we use exercises, puzzles, case studies, and interesting group activities to enrich the instruction and drive home the essential points.
- If you already know something about the technology, we will build on that. We'll compare and contrast what's familiar with what's new, making new ideas easier to learn as well as more relevant.
- If your background is less technical, we will use meaningful and ingenious examples and analogies to simplify the complex subject matter.
- The Participant Handbook will provide you with a structure to which you can add the information and insight provided in real-time, turning it into a valuable reference resource you can take back to your job.

Revised

Oct. 29, 2005