WiMAX Network Designer Certification Boot Camp

Duration: 4 Days **Course Code: WIMAX-65**

Overview:

This unique four-day WiMAX Boot Camp training course is the most authoritative WiMAX training course available. This WiMAX course covers all of the necessary topics to prepare a technical staff for the WiMAX Network Designer™ certification exam.
This comprehensive four-day WIMAX training course comprises three modular courses: Overview of RF Design Principles, RF Design for WiMAX Networks, and Designing WiMAX Core Networks.
The WiMAX Network Designer Boot Camp is designed for technical staff who will be involved in planning a WiMAX deployment, and who need the technical skills to design a WiMAX network, balancing the requirements of service quality (including throughput and performance) with minimum capital and operations cost.
All WiMAX bootcamp training course attendees receive a comprehensive WiMAX course reference manual; WiMAX planning tools; and a demonstration copy of the EDX SignalPro® software tool, The course incorporates real-world WiMAX planning and design examples, WiMAX planning exercises and case studies.

Target Audience:

Technical staff seeking an authoritative coverage of WiMAX network concepts and terminology, WiMAX RF network planning and design, and WiMAX core network design will find this WiMAX bootcamp invaluable.

Objectives:

- Training from the creators of the technology™ - This course is developed in conjunction with DoceoTech, the US-based IEEE Training partner and WiMAX Forum member that is uniquely focussed on WiMAX training and certification.

Prerequisites:

Content:

WiMAX Boot Camp Day 1: Overview of RF Design Principles

- This one-day modular course is targeted at students who will be completing the WiMAX Network Designer™ certification program, and who require a refresher course on RF design.
- WiMAX Boot Camp Day 1 provides the essential, deep background and hands-on experience with the RF propagation models that are used in all RF planning tools, like those used for WiMAX network design.
- Course attendees learn the differences between various propagation models, and where each model should be applied in the RF design process. Attendees also learn how to model foliage, terrain, buildings, and other obstructions in a network design.
- Proper design of the IP network and proper engineering of these facilities ensures high service quality for the end-user, and ease of operation for the WiMAX provider.
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WiMAX Boot Camp Days 2 and 3: RF Design for WiMAX Networks

- Days 2 and 3 are targeted at students who are planning a WiMAX network, and who need the skills to design a network, balancing the requirements of service quality (including coverage and performance) with minimum capital and operations cost.
- This WiMAX Bootcamp training course teaches all Radio-Frequency (RF) design steps that an RF engineer would consider for a WiMAX deployment. Each RF design task is illustrated with practical examples, hands-on exercises and application of a software RF-design tool.
- Course attendees learn the differences between various propagation models, and where each model should be applied in the RF design process. Attendees also learn how to model foliage, terrain, buildings, and other obstructions in a network design.
- Proper design of the IP network and proper engineering of these facilities ensures high service quality for the end-user, and ease of operation for the WiMAX provider.

WiMAX Boot Camp Day 4: Designing WiMAX Core Networks

- On the final day, students learn a formal approach to the design of the Internet Protocol Core of a WiMAX network. The Core is the portion of the network between the WiMAX Base Station and the interfaces to the larger Data and Voice network infrastructures.
- In this portion of the network, the WiMAX subscriber's traffic is transported by routers and switches through copper and fiber transmission facilities.
- Course attendees learn the differences between various propagation models, and where each model should be applied in the RF design process. Attendees also learn how to model foliage, terrain, buildings, and other obstructions in a network design.
- Proper design of the IP network and proper engineering of these facilities ensures high service quality for the end-user, and ease of operation for the WiMAX provider.

Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

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