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## Communication Server 1000E Installation and Commissioning

**Duration: 5 Days**    **Course Code: 0946C**

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### Overview:

This course provides information on how to install and commission a Nortel Communication Server 1000E (CS 1000E) system. This course allows you to learn about the hardware and software components of the CS 1000E and to install and verify the correct installation of the hardware and software. The Communication Server 1000 portfolio includes full featured, server-based IP PBXs that can be fully distributed over the IP LAN and WAN infrastructures of enterprise environments.

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### Target Audience:

Technicians Individuals responsible for installing and commissioning the Nortel Communication Server 1000E system

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### Objectives:

- Upon the successful completion of this course, you will be able to:
    - Identify system platform requirements
    - Identify hardware and software components
    - Prepare and plan a CS 1000E system installation
    - Install hardware components on a CS 1000E SA system with a CP PM Co-Resident Call Server and Signaling Server
    - Install hardware components on a CS 1000E HA system with CP PM Call Servers and CP PM Signaling server
    - Install Linux Base OS
    - Configure Nortel Unified Communications Management Security Services
  - Install and Configure Nortel Applications using UCM Deployment Services
  - Install and Configure CP PM Co-resident Call Server and Signaling Server software
  - Install and Configure Call Server software (VxWorks)
  - Import IP Telephony Node
  - Install and configure the Media Gateway Controller
  - Identify maintenance procedures for the CS 1000E system
  - Identify and clear faults in the CS 1000E system
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### Prerequisites:

- Describe Voice over IP essentials, including the major components of VoIP, signaling standards and protocols, switching technologies, voice quality, and CODECs
  - Communicate about CS 1000 system and software architecture, user interfaces, and system management methodology
  - Log in and communicate with the CS 1000 system using the Command Line Interface (CLI) or Element Manager
  - Program and maintain system, customer, and individual telephone databases for a Communication Server 1000 system
  - Program routes and trunks using Element Manager or the Command Line Interface (CLI), and print the appropriate reports to verify the programming
  - Add, move, change, or delete telephones or consoles and print the appropriate reports to verify the programming
  - Validate the configuration and installation of an IP Line node and
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system

- Install and configure IP Phones
- Perform System Backup.
- Navigate Unified Communications Management Common Services, Deployment Manager, CS 1000 Element Manager, Network Routing Service Manager, and Subscriber Manager
- Identify troubleshooting tools, applications, and management functions available within the CP PM

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## Content:

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| <ul style="list-style-type: none"><li>■ System Overview</li><li>■ System Components</li><li>■ Planning the System Installation</li><li>■ CS 1000E System Hardware Installation</li><li>■ Linux-Base Operating System Installation</li></ul> | <ul style="list-style-type: none"><li>■ Nortel Unified Communications Management Security Services Configuration</li><li>■ Nortel Application Installation and Configuration using UCM Deployment Services</li><li>■ CS 1000E SA CP PM Co-Resident Call Server and Signaling Server Installation and Configuration</li><li>■ CS 1000E HA Call Server Software Installation and Configuration</li><li>■ IP Telephony Node Configuration</li></ul> | <ul style="list-style-type: none"><li>■ MGC Configuration</li><li>■ Maintenance</li><li>■ Troubleshooting</li></ul> |
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## Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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