

Nortel Converged Campus: ERS Solutions

6720C



Delivery Type: Classroom

Duration: 5 days

Overview

This theory only course introduces the Nortel Converged Campus solution which combines a highly available network infrastructure with proven, feature-rich business telephony and applications.

Nortel's Converged Campus solution presents the infrastructure components required to design various Converged Campus solutions. Three major designs are detailed which encompass different sizing and feature requirements. These three scenarios represent "standard" solutions; however, are not the only options available when creating a Converged Campus. For each design, the Nortel recommended best practices are covered in detail.

Pre-Requisites

- ✓ Students planning to attend this course should have a working knowledge of the following technologies and concepts:
 - Describe Ethernet network communications

- including IP Routing and frame switching;
- Internet Protocol (IP) Routing, Ethernet technologies, Virtual Local Area Networks (VLAN), Spanning Tree Protocol (STP), Internet Group management Protocol (IGMP), 802.1Q protocol and frame tagging, Router and Switch operation.
- ✓ Pre Requisite Courses:
 - 6702C IP Routing Instructor-led hands-on
 - 0077T Ethernet Fundamentals Self-paced eLearning - CD-ROM;
 - 0077W Ethernet Fundamentals Self-paced eLearning – WEB;
 - 0229T IP Fundamentals Self-paced eLearning - CD-ROM;
 - 0229 WIP Fundamentals Self-paced eLearning - WEB.

Target Audience

It is ideal for the technical individual who needs to understand the features of Nortel Converged Campus, how to configure a small, medium or large campus solution for a typical enterprise environment and how to maintain its operation within the network.

Objectives

- ✓ Identify the Nortel Converged Campus Solution Designs and recognize correctly deployed Nortel's ERS Products;
- ✓ Describe the connectivity options of each of the ERS products;
- ✓ Describe the operation and benefits of Nortel's resiliency technologies and their implementation within a network;
- ✓ Describe the QoS features of the Nortel ERS products and design a network topology to support Diffserv, 802.1p, traffic prioritization, metering, shaping, and policing;
- ✓ Describe IP Multicast design guidelines within the Converged Campus;
- ✓ Apply security principles and technologies to an Ethernet network providing various levels of security at the edge, core and DMZ: switch access security, control path security, and data path security;
- ✓ Describe the IP Telephony/Multimedia requirements of the Converged Campus;
- ✓ Describe the Wireless LAN options for the Converged Campus.