

STATE OF ILLINOIS

ILLINOIS COMMERCE COMMISSION

GRAFTON TELEPHONE COMPANY )  
 )  
Petition for suspension or modification of the )  
applicability of the requirements of Section ) Docket No. 04-0367  
251(b)(2) of the federal Telecommunications )  
Act of 1996, 47 U.S.C. 251(b)(2), pursuant to )  
Section 251(f)(2) of said Act; for entry of an )  
Interim Order; and for other necessary and )  
appropriate relief. )

Exhibit 2.1



## Instructor-led Hands-on Nortel Networks DMS SuperNode Family of Products

### **Course 7242** **DMS SuperNode Local Number Portability (LNP)** **Translations and Operations** **Price: USD - \$1425** **Length: 3 Days (18 Hours)**

#### **Course Description**

Course 7242 provides instruction with extensive hands-on exercises, which prepare the student to implement and support Local Number Portability in a DMS SuperNode SSP switch. This course covers data table interaction and datafill process for the LNP-SSP. In-exercises include LNP setup and troubleshooting tools. The course also includes Operational Measurements, logs, and AMA billing changes required for LNP implementation.

#### **Mode of Delivery**

Course 7242 is delivered in 18 hours of instructor-led hands-on training.

#### **Intended Audience**

Anyone with SS7 translations experience who needs to know the specifics of Local Number Portability translations, operations, and troubleshooting.

#### **Objectives**

Upon completion of this course, you will be able to:

- Explain why Local Number Portability was developed and how it impacts the key industry service providers
- Explain how LNP fundamentally changes the signalling and routing of local calls
- Identify special translations and engineering provisions necessary to implement LNP in a DMS SuperNode SSP
- Use available DMS SuperNode tools for testing LNP translations and database queries and responses



## **Prerequisites**

3403 DMS SuperNode Common Channel Signaling 7 Translations

6000 Introduction to Advanced Intelligent Network (AIN) for SSP

7232 DMS SuperNode Advanced Intelligent Network (AIN) SSP Translations & Operations



## Instructor-led Hands-on

### Nortel Networks DMS SuperNode Family of Products

#### **Course 7232**

#### **DMS SuperNode Advanced Intelligent Network (AIN) SSP Translations & Operations**

**Price: USD - \$1840**

**Length: 4 Days (24 Hours)**

#### **Course Description**

Course 7232 provides instruction and hands-on exercises on the data table interaction and datafill process for the AIN SSP using Operational Measurements (OMs) and logs to identify traffic-related problems.

#### **Mode of Delivery**

Course 7232 is delivered in 24 hours of instructor-led hands-on training.

#### **Intended Audience**

Anyone responsible for DMS-100 AIM translations and operations

#### **Objectives**

Upon completion of this course, you will be able to:

- Identify general office translation tables classified as treatment, AMA office parameters, message routing, subscription, call routing, and pre-translator as they pertain to AIN
- Describe and datafill AIN trigger types and trigger responses
- Trace AIN call progression through the data tables
- Use available software tools to troubleshoot translations and message routing
- Identify and use the Nortel Networks Technical Publications (NTPs) to datafill trigger tables
- Show how the Table Editor and SERVORD commands are used to manipulate AIN datafill
- Use TRAVER to examine the translation data output of AIN triggers
- Identify and use NTPs to interpret logs and OMs

#### **Prerequisites**

3403 DMS SuperNode Common Channel Signaling 7 Translations

6000 Introduction to Advanced Intelligent Network (AIN) for SSP



## Instructor-led Hands-on Nortel Networks DMS-10 Family of Products

**Course 0285**  
**DMS-10 AIN & LNP Translations**  
**Price: USD - \$1800**  
**Length: 4 Days (24 Hours)**

### **Course Description**

Course 0285 provides instruction on how to implement translations for Advanced Intelligent Network (AIN) and Local Number Portability (LNP) to the DMS-10 Switch.

### **Mode of Delivery**

Course 0285 is delivered in 24 hours of instructor-led hands-on training.

### **Intended Audience**

This course is intended for translations personnel, database administrators, maintenance personnel, engineers, and planners.

### **Objectives**

Upon completion of this course you will be able to:

- Configure the basic DMS-10 System for AIN and LNP
- Configure service logic host routes and associated administrative state codes
- Verify the CCS7 network is communicating to the proper Service Control Point (SCP)
- Configure the DMS-10 System to interface with recorded announcement equipment
- Configure the Service Switching Point (SSP) to process AIN and LNP response messages
- Assign AIN and LNP triggers

### **Prerequisites:**

0211 DMS-10 System Translations  
0235 DMS-10 Common Channel Signaling 7 (CCS7) OA&M and CLASS Translations  
or equivalent experience



## **Module 1 – Implementation of Advanced Intelligent Network (AIN) in the DMS-10 Switch**

### **Lesson 1 – AIN Functionality in the DMS-10 Switch**

- AIN Functions Supported by the DMS-10 Switch

### **Lesson 2 – CCS7 Links for AIN Communications**

- AIN System Configuration
- Service Logic Host Routes
- Communication With The SCP

### **Lesson 3 – AIN Announcements**

- Vendor Digital Recorded Announcement (VDRA) Unit
- Trunk Configuration for Playing AIN Announcements
- Trunk Configuration for Recording AIN Announcements

### **Lesson 4 – AIN Response Messages**

- SCP Response Messages
- SCP Configuration for Processing AIN Response Messages

## **Module 2 – AIN Triggers**

### **Lesson 1 – Station-Based Triggers**

- Off-Hook Delay (OHD) Trigger
- Feature Code (FCD) Trigger
- Termination Attempt (TA) Trigger

### **Lesson 2 – Office Based Triggers**

- LNP Service
- Location Routing Numbers (LRNs)
- LNP Network Components
- Basic Network Activities for Porting a DN
- Basic LNP Call Flow
- Signaling Parameters
- Error Conditions
- Basic System Configuration for LNP
- Service Logic Host Routes and Administrative State Codes
- Verify Communication with the SCP
- Configure the DMS-10 Switch for Ported DNs
- Configure LNP Associated Data



- Trunk Group Configuration for LNP Billing Requirements

### **Lesson 3 – Group-Based Triggers**

- Customized Dialing Plan (CDP) Trigger
- Shared Interoffice Trunk (SIT) Trigger

This course can be purchased using Training Bank credits