

**Oracle Communications® ASAP™ Cartridge 1.0
GA Release for BroadSoft Broadworks-Network
Server R14**

BroadSoft Broadworks- Network Server R14 Cartridge Guide

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Cartridge Overview

ASAP cartridges are discrete software components that are developed for the ASAP product. An ASAP cartridge offers specific domain behavior on top of the core ASAP software, and provides the configuration that supports a set of services on a network element (NE).

An ASAP cartridge is not a stand-alone component, but operates in conjunction with the ASAP core product. ASAP cartridges offer the following benefits:

- ◆ **Reduced Time to Market**—time to market of new services is reduced through simplified development, implementation, and extension of cartridges on customer sites.
- ◆ **Extendable**—cartridges can be extended to include additional services and components that deliver business value, without requiring changes to the original cartridge.
- ◆ **Simplified Effort**—the effort and technical knowledge that is required to perform customizations is reduced.
- ◆ **Ease of Installation**—cartridges can be installed into an ASAP environment without interfering with the existing install base.

An ASAP cartridge can be used to configure ASAP to provision the following:

- ◆ NEs from a specific vendor, such as Nortel or Lucent.
- ◆ Technologies, such as Asynchronous Transfer Mode (ATM) and Frame Relay switches, or Internet Protocol (IP) routers.
- ◆ Services that are supported on the NE, such as ATM, IP Virtual Private Networks (VPN), Wireless, or Optical.



Cartridges are designed for a specific technology, software load, and service.

An ASAP cartridge supports a particular set of services on an NE. These services are independent of customer-specific service definitions. Professional Services or systems integrators can perform extensions to the cartridge to support customer-specific requirements.

Cartridge content

An ASAP cartridge contains the following:

- ◆ Sample NE configuration
- ◆ A set of scripts, such as State Tables or Java methods

- ◆ A set of atomic actions in the form of Atomic Service Description Layer (ASDL) commands
- ◆ A set of Common Service Description Layer (CSDL) commands that form meaningful services
- ◆ Sample work orders
- ◆ Installation scripts

Prerequisites

System integrators such as managers, designers, programmers, and testers who are responsible for the adaptation and integration of ASAP-based solutions should use this manual as a reference. It assumes that readers possess the following skills:

- ◆ A knowledge of ASAP programming concepts
- ◆ A good working knowledge of the UNIX operating system
- ◆ A thorough understanding of service and network provisioning
- ◆ Familiarity with telecommunications

About this guide

This guide provides a detailed description of the BROADSOFT_BNS cartridge. It contains overview and technical information to assist with extending and integrating the cartridge into a customer environment.

The scope of this guide includes ASAP as it pertains to this cartridge. It is not a complete ASAP reference guide.

For additional ASAP information when using this cartridge, refer to the following supporting documentation:

- ◆ **ASAP documentation set**—for detailed information on the ASAP core product.

The BROADSOFT_BNS cartridge provides the ASAP service configuration and network element (NE) interface to activate voice mail (VOIP) services on VBNA_BNS-001 NEs.

Services, features, and options

Table 1: Supported services

Service	Description
Add authd host	This service adds an authd host.
Delete authd host	This service deletes an authd host.
Query authd host	This service queries the authd host.
Add enterprise	This service adds an enterprise.
Delete enterprise	This service deletes an enterprise.
Modify enterprise	This service modifies an enterprise.
Query enterprise	This service queries the enterprise.
Query enterprises	This service queries the enterprises.
Add enterprise admin	This service adds an enterprise admin.
Delete enterprise admin	This service deletes an enterprise admin.
Modify enterprise admin	This service modifies an enterprise admin.
Query enterprise admin	This service queries the enterprise admin.
Query enterprise admins	This service queries the enterprise admins.
Add hosting NE	This service adds a hosting NE.
Delete hosting NE	This service deletes a hosting NE.
Modify hosting NE	This service modifies a hosting NE.
Query hosting NE	This service queries the hosting NE.
Query hosting NEs	This service queries the hosting NEs.
Add hosting NE addr	This service adds a hosting NE addr.

Table 1: Supported services

Service	Description
Delete hosting NE addr	This service deletes a hosting NE addr.
Modify hosting NE addr	This service modifies a hosting NE addr.
Query hosting NE addr	This service queries the hosting NE addr.
Add hosting NE node	This service adds a hosting NE node.
Delete hosting NE node	This service deletes a hosting NE node.
Modify hosting NE node	This service modifies a hosting NE node.
Query hosting NE node	This service queries the hosting NE node.
Query hosting NE nodes	This service queries the hosting NE nodes.
Add private policy instance	This service adds a private policy instance.
Delete private policy instance	This service deletes a private policy instance.
Modify private policy instance	This service modifies a private policy instance.
Query private policy instance	This service queries the private policy instance.
Add private policy instance data entry	This service adds a private policy instance data entry.
Delete private policy instance data entry	This service deletes a private policy instance data entry.
Modify private policy instance data entry	This service modifies a private policy instance data entry.

Table 1: Supported services

Service	Description
Query private policy instance data entry	This service queries the private policy instance data entry.
Add private policy properties data entry	This service adds a private policy properties data entry.
Delete private policy properties data entry	This service deletes a private policy properties data entry.
Modify private policy properties data entry	This service modifies a private policy properties data entry.
Query private policy properties data entry	This service queries the private policy properties data entry.
Add site	This service adds a site.
Delete site	This service deletes a site.
Modify site	This service modifies a site.
Query site	This service queries the site.
Query sites	This service queries the sites.
Add unassigned DN	This service adds an unassigned DN.
Delete unassigned DN	This service deletes an unassigned DN.
Query unassigned DNs	This service queries the unassigned DNs.
Add unassigned DN range	This service adds an unassigned DN range.
Delete unassigned DN range	This service deletes an unassigned DN range.
Add unassigned DN ranges	This service adds unassigned DN ranges.
Delete unassigned DN ranges	This service deletes unassigned DN ranges.

Table 1: Supported services

Service	Description
Add unassigned DNs	This service adds unassigned DNs.
Delete unassigned DNs	This service deletes unassigned DNs.
Add user group	This service adds an user group.
Delete user group	This service deletes an user group.
Modify user group	This service modifies an user group.
Query user group	This service queries the user group.
Query user groups	This service queries the user groups.
Assign address	This service assigns an address.
Modify address	This service modifies an address.
Unassign address	This service unassigns an address.
Assign addresses	This service assigns addresses.
Modify addresses	This service modifies addresses.
Unassign addresses	This service unassigns addresses.
Query all private policies	This service queries the all private policies.
Query call types	This service queries the call types.
Query carriers	This service queries the carriers.
Query lca ids	This service queries the lca ids.
Query resource NE addr	This service queries the resource NE addr.
Query resource NEs	This service queries the resource NEs.
Query service provider profiles	This service queries the service provider profiles.
Query treatments	This service queries the treatments.

Hardware and software requirements

The following sections contain the high-level software and hardware environment requirements for provisioning voice mail (VOIP) services using this cartridge, including:

- ◆ Network element (NE) interface
- ◆ ASAP version

Network element (NE) interface

The following database tables in SARM are configured to support the NE configuration:

- ◆ tbl_host_cli
- ◆ tbl_cli_route
- ◆ tbl_comm_param
- ◆ tbl_resource_pool
- ◆ tbl_ne_config

ASAP version

This cartridge was developed and tested using ASAP 4.7.1.

For more information on the operating environment of this ASAP version, refer to the ASAP 4.7.1 Release Record.

Connecting to the NE

The interface to the BroadWorks Network Server is XML over CORBA. The cartridge will generate provisioning requests from the ASAP work order to the BroadWorks Network server using this protocol.

Installing and Testing the Cartridge

This chapter describes the following procedures related to installing and testing the cartridge:

- ◆ [Downloading the cartridge](#)
- ◆ [Installing the cartridge using scripts](#)
- ◆ [Uninstalling the cartridge using scripts](#)
- ◆ [Testing the cartridge installation](#)
- ◆ [Deployment of the cartridge using Studio](#)
- ◆ [Uninstallation and Undeployment of the cartridge using Studio](#)

Downloading the cartridge

Before you can install the cartridge, you must use the internet to download the cartridge's TAR file from Oracle's Customer Portal.

Use the following instructions to download, then unTAR the TAR file.

To download the TAR file

1. Login to Oracle MetaLink internet home page (<http://www.metalink.oracle.com>).
2. Download the cartridge patch to your workstation.

To unTAR the TAR file

1. On your workstation, create a repository directory—the naming of which is your choice.

```
mkdir <repository dir>
```

2. Copy the TAR file into the repository directory.

3. Untar BROADWORKSNET_14_X_R1_0_0.<build_Id>.tar.

```
tar xvf BROADWORKSNET_14_X_R1_0_0.<build_Id>.tar
```

The directory structure in the repository directory should look like the following illustration. (this illustration describes the minimum required structure; you can enhance this directory structure with additional directories based on your requirements and deliverables).

```
<repository_directory>  
  /README  
  /installCartridge  
  /uninstallCartridge
```

```
/Broadsoft_BNS_14_X.sar
```

Starting ASAP

Before installing the cartridge, ensure that ASAP is running.

To start ASAP

1. To start ASAP, execute the following script:

```
start_asap_sys -d
```

2. Ensure the ASAP Daemon (DAEM\$ENV_ID) is running by checking the ASAP status using the ASAP script “status”.
3. Check whether the WebLogic instance for this ASAP environment is running. If not, start the WebLogic instance.

The *ASAP Administration Guide* contains more information on starting ASAP, the ASAP Daemon, and WebLogic.

Installing the cartridge using scripts

- ◆ The BROADSOFT_BNS cartridge uses JDOM 1.0 libraries. To install the BROADSOFT_BNS cartridge in the Environment which has other cartridges using different versions of the JDOM, it is highly recommended to install the BROADSOFT_BNS cartridge using a specific NEP server. *Refer the “ASAP Product Guide” on how to configure a NEP server.*
- ◆ Cartridges using different versions of JDOM should be installed in distinct NEPs (The Cartridges using same version of JDOM can be deployed in a specific common NEP).

Run the installation script *installCartridge* to install the cartridge. The script executes the following tasks:

- ◆ Configures the BROADSOFT_BNS-specific NE using the SACT.
- ◆ Deploys the BROADSOFT_BNS cartridge service model (only if the BROADSOFT_BNS service model is not yet deployed) using the Service Activation Deployment Tool (SADT).
- ◆ Copies the BROADSOFT_BNS-specific jar files to the ASAP environment.
- ◆ Loads the sample work orders to the SRP database.

For information on the SACT and the SADT, refer to the *ASAP Administration Guide*.

To install the cartridge

1. Run the *installCartridge* script. At the prompt, type:

```
installCartridge Broadsoft_BNS_14_X.sar
```

2. The script prompts you for the values of the following WebLogic login parameters:
 - ◆ WebLogic Hostname
 - ◆ WebLogic HTTP Port
 - ◆ WebLogic Login user ID
 - ◆ WebLogic Login Password

The script loads the NEP-NE configuration and the CSDL-ASDL configuration to the SARM database, and loads sample work orders to the SRP database. The script also copies the cartridge-specific jar files and cpp library file to the ASAP environment.

3. Copy *studio_2_6_0.jar* file to the *\$ASAP_BASE/lib* directory.
4. Add *\${ASAP_BASE}/lib/studio_2_6_0.jar* to the CLASSPATH in the JInterpreter file under *\$ASAP_BASE/programs* directory.
5. Restart ASAP to upload the cartridge configuration into ASAP.

Uninstalling the cartridge using scripts

Run the uninstallation script *uninstallCartridge* to uninstall the BROADSOFT_BNS cartridge. The script executes the following tasks:

- ◆ Unconfigures BROADSOFT_BNS-specific NEs using the SACT.
- ◆ Undeploys the BROADSOFT_BNS cartridge service model (only if the BROADSOFT_BNS service model is already deployed) using the Service Activation Deployment Tool (SADT).
- ◆ Removes the BROADSOFT_BNS-specific jar files and cpp library file from the ASAP environment.

For more information on the SACT and the SADT, refer to the *ASAP Administration Guide*.

To uninstall the cartridge

1. Run the *uninstallCartridge* script. At the prompt, type:

```
uninstallCartridge Broadsoft_BNS_14_X.<timestamp>.sar
```

2. The script prompts you for the values of the following parameters:

- ◆ WebLogic Hostname
- ◆ WebLogic HTTP Port
- ◆ WebLogic Login user ID
- ◆ WebLogic Login Password

The script unloads the NEP-NE configuration and CSDL-ASDL configuration from SARM database. It also removes the cartridge specific jar files and cpp library file from the ASAP environment.

Testing the cartridge installation

To test this cartridge installation, you need to know about the network element (NE), services, and basic Activation configuration. You may need to perform adjustments to provision a service for a specific NE, network, or connectivity configuration.

You can test the cartridge installation using one of the following methods:

- ◆ **Loopback mode**—does not actually connect to or send commands to the NE.
- ◆ **Live mode**—connects to and sends commands to a live NE.

Configuring loopback and live mode parameters

Set the following variables to test the cartridge in loopback or live testing modes.

Loopback mode

Set the following parameter to test the cartridge in loopback mode.

Table 2: Loopback Mode Parameter Settings

Configuration Variable	Parameter Settings	Location
LOOPBACK_ON	1 (default setting)	ASAP.cfg

Live mode

Set the following parameter to test the cartridge in live mode.

Table 3: Live Mode Parameter Settings

Configuration Variable	Parameter Settings	Location
LOOPBACK_ON	0	ASAP.cfg

Communication parameters

The following are the list of parameters for the sample NE configuration XML used by SACT.

Table 4: Communication parameters

param_label	param_value	param_desc
HOST_IPADDR	10.9.1.224	Remote Host IP Address
NAME_SERV	1050	Naming service port
PASSWORD	admin	Password
USER	admin	User login
READ_TIMEOUT	60	The read timeout in seconds
VERSION	9.0	Network Server Release Version
FIREWALL	Y	Firewall flag, value Y or N. If Corba server is inside the firewall, set flag to Y and IOR will be set with NAT-ed IP address
RESPONSELOG	TRUE	To enable log

Modifying VBNA_BNS-001.xml

Use the following procedure to modify VBNA_BNS-001.xml.

To modify VBNA_BNS-001.xml

1. Create a new source directory. You can give this directory any appropriate, meaningful name you want to.

```
mkdir <new_source_directory>
```

2. Copy Broadsoft_BNS_14_X.sar to this new source directory.

```
cp Broadsoft_BNS_14_X.sar ./<new_source_directory>
```

3. Change directory to <new_source_directory>.

```
cd <new_source_directory>
```

4. Un-jar Broadsoft_BNS_14_X.sar. This extracts the contents of the sar file.

```
jar xvf Broadsoft_BNS_14_X.sar
```

5. Edit <new_source_directory> VBNA_BNS-001.xml in with the appropriate changes.

6. Create a new sar file at the <new_source_directory> level.

```
CreateSar $PWD
```

7. Uninstall the cartridge using Broadsoft_BNS_14_X.sar. (That is, use the original sar file that you copied in [Step 2](#) above—see [“Uninstalling the cartridge using scripts” on page 12](#) for uninstallation instructions).

8. After you uninstall the cartridge, rename the sar file, so you have a backup copy of it.

9. Copy the new sar file from <new_source_directory>.

10. Reinstall the cartridge (see [“Installing the cartridge using scripts” on page 11](#) for installation instructions).

Testing the installation

The following procedure describes the steps required to test the cartridge installation in loopback mode. We recommend that you perform the initial cartridge installation test in loopback mode.

To test in loopback mode

1. Stop ASAP by typing the following command at the UNIX prompt:

```
stop_asap_sys -d
```

2. Ensure loop back mode is on. See [“Loopback mode” on page 13](#) for a description of how to set the loop back parameter to “On”.

3. Start ASAP by typing:

```
start_asap_sys -d
```

4. Send the sample work orders through the SRP Emulator by typing:

```
run_suite $SRP <ctrl_password> <suite name>
```

You can locate the suite names by typing:

```
grep SUITE * | grep -v END
```

A list of all available suites appears.

For more information on the SRP Emulator, refer to the *ASAP Administration Guide*.

5. Verify the status of the sample work orders by typing:

```
asap_utils -d l
```

All successful work orders returns to the 104 state.

To view the sample work orders provided with this cartridge, refer to the BROADSOFT_BNS cartridge source.

Viewing the sample work orders

You find the sample work orders under the **SampleWorkOrders** directory in the sar file. The following procedure describes how to view the sample work orders.

To view the sample work orders

1. Create a repository directory, copy the sar file to the new directory and un-jar the sar file, as described by [Step 1](#) through [Step 4](#) in “[Modifying VBNA_BNS-001.xml](#)” on [page 14](#).
2. Locate and view the sample work order files.

Deployment of the cartridge using Studio

Before installing the cartridge, ensure weblogic and ASAP are started and running.

The following are the steps involved:

1. Open Studio in design perspective. Choose **Import** from the **File** menu and select **Activation Archive (SAR)** under **Studio Wizards** to import the sar file. Browse for the path to the sar file and click **Finish**.
2. Create a new **Service Activation Project**.
3. Define a new **NE Entity**, based on the **NE Template** contained in the cartridge provided by Oracle.
4. Ensure that the primary pool of the newly created NE is different from the NE template primary pool. You can modify it, if necessary.
5. Ensure that the test work order provided with the cartridge targets the newly defined NE. If not, then modify the test work orders file(s).

6. Create a new **Activation Environment Project** from the **Studio** menu. (Use Studio help for more information).
7. Create **Activation Environment** inside the **Activation Environment Project** and configure the **Connection Details** tab with your Environment ID, Activation version and weblogic data.
8. Connect to your environment using the **Connect** button.
9. Select the **Cartridge** tab of the **Activation Environment** and click **Add** to add your projects to the environment. The cartridge and the newly created **Service Activation** should appear in the **Cartridges** list.
10. Deploy the **NetworkActivation** (NA) cartridge provided by Oracle. (No NE information is to be deployed with this cartridge, therefore it isn't necessary to deploy the **NEP map** info).
11. Deploy the **Service Activation** (SA) project as follows:
 - On the **Cartridge** tab, select the necessary SA cartridge and press the **Deploy** button.
 - Select the **NEP Map** tab of the **Activation Environment**. Choose the necessary **NEP** server from the drop-down box of the **Network Element Processors**.(Use Studio help for more information).
 - Select the SA cartridge from the **Network Element Processor Map** and click the **Deploy** button.
12. Verify the **SADT** console to confirm the installation.
13. Go to ASAP environment.
14. Copy studio_2_6_0.jar file to the \$ASAP_BASE/lib directory.
15. Add \${ASAP_BASE}/lib/studio_2_6_0.jar to the CLASSPATH in the JInterpreter file under \$ASAP_BASE/programs directory.
16. Restart **ASAP** in order to start working with the cartridge.

Uninstallation and Undeployment of the cartridge using Studio

The following are the steps involved:

1. Connect to your environment using the **Connect** button.
2. Select the necessary cartridge from the **Environment Cartridge** list in Studio 2.6 and click the **Undeploy** button.
3. Verify the Environment Cartridge list. The Check Box with the name of the cartridge that is disabled should be unchecked.

Atomic Service Description Layer (ASDL) Commands

ASDL commands represent a set of atomic actions that ASAP can perform on a network element (NE). ASAP can combine ASDLs to create meaningful services (CSDLs) within a cartridge.

This chapter presents detailed information on the ASDL parameters that we provide with this cartridge. The following table lists and describes the type of parameter information that is included.

Table 5: ASDL parameter information

Item	Description
Parameter Name	Identifies the parameter that is configured for the stated service.
Description	Describes the parameter.
Range	Describes or lists the range of values that can be used to satisfy this parameter.
Default Value	Configures a default value for the parameter so that it is not mandatory for the upstream system to provide a value.

Table 5: ASDL parameter information

Item	Description
Type	<p>Indicates one of the following parameter types:</p> <ul style="list-style-type: none"> ◆ S—Scalar, specifies the parameter label transmitted on the ASDL command. Scalar parameters are conventional name-value pair parameters. ◆ C—Compound, specifies the base name of the compound parameter transmitted on the ASDL command. A compound parameter contains structures or arrays of information that are represented by a particular structure name or compound parameter name. Each compound parameter can contain a large number of elements. If you use compound parameters, you only require a single entry in the ASAP translation tables to call the compound parameter and all its associated parameter elements. ◆ I—Indexed, identifies a parameter that contains a sequential numerical index value to tell the SARM that it should execute the same operation (for example, an ASDL command) for all occurrences of that index. Consequently, if there are several options on a particular CSDL command (OPT1, OPT2, OPT3, etc.), you can specify the OPT parameter as an indexed parameter. When you specify the OPT parameter as an indexed parameter, the SARM generates several occurrences of that same ASDL command and each command has a different value for the option being transmitted to the NEP. <p>For more information on parameter types, refer to the <i>ASAP Developer's Reference</i>.</p>
Class	<p>Indicates one of the following parameter classifications:</p> <ul style="list-style-type: none"> ◆ R—Required scalar parameter ◆ O—Optional scalar parameter ◆ C—Required compound parameter ◆ N—Optional compound parameter ◆ M—Mandatory indexed parameter ◆ I—Optional indexed parameter ◆ S—Parameter count

For a detailed description of the Required and Optional parameter classifications, refer to the *ASAP Administration Guide*.

ASDL commands

This cartridge provides the following ASDL commands:

- ◆ A_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST
- ◆ A_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE
- ◆ A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN
- ◆ A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_DATA
- ◆ A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA
- ◆ A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE
- ◆ A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR
- ◆ A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE
- ◆ A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE
- ◆ A_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_SITE
- ◆ A_BROADSOFT-BNS_14-0_ADD_SITE-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN
- ◆ A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE
- ◆ A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES
- ◆ A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS
- ◆ A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_USER-GROUP
- ◆ A_BROADSOFT-BNS_14-0_ADD_USER-GROUP-RB
- ◆ A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA
- ◆ A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA-RB

- ◆ A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_PROPERTIES_DATA
- ◆ A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_DN
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGE
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGE-RB
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGES
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGES-RB
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_DN-RB
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_DNS
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_DNS-RB
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_URL
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_URL-RB
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_URLS
- ◆ A_BROADSOFT-BNS_14-0_ASSIGN_URLS-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST
- ◆ A_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE
- ◆ A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN
- ◆ A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_DATA
- ◆ A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_PROPERTIES_DATA
- ◆ A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_PROPERTIES_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE
- ◆ A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR
- ◆ A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE
- ◆ A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE
- ◆ A_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_SITE

- ◆ A_BROADSOFT-BNS_14-0_DEL_SITE-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN
- ◆ A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE
- ◆ A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES
- ◆ A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS
- ◆ A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_USER-GROUP
- ◆ A_BROADSOFT-BNS_14-0_DEL_USER-GROUP-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_DATA
- ◆ A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_PROPERTIES_DATA
- ◆ A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_DN
- ◆ A_BROADSOFT-BNS_14-0_MOD_DN-RANGE
- ◆ A_BROADSOFT-BNS_14-0_MOD_DN-RANGE-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_DN-RANGES
- ◆ A_BROADSOFT-BNS_14-0_MOD_DN-RANGES-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_DN-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_DNS
- ◆ A_BROADSOFT-BNS_14-0_MOD_DNS-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE
- ◆ A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN
- ◆ A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_DATA
- ◆ A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA
- ◆ A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE
- ◆ A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR

- ◆ A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE
- ◆ A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE
- ◆ A_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_SITE
- ◆ A_BROADSOFT-BNS_14-0_MOD_SITE-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_URL
- ◆ A_BROADSOFT-BNS_14-0_MOD_URL-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_URLS
- ◆ A_BROADSOFT-BNS_14-0_MOD_URLS-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_USER-GROUP
- ◆ A_BROADSOFT-BNS_14-0_MOD_USER-GROUP-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_DATA
- ◆ A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_PROPERTIES_DATA
- ◆ A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB
- ◆ A_BROADSOFT-BNS_14-0_QRY_ALL-PRIVATE-POLICIES
- ◆ A_BROADSOFT-BNS_14-0_QRY_AUTHD-HOST
- ◆ A_BROADSOFT-BNS_14-0_QRY_CALL-TYPES
- ◆ A_BROADSOFT-BNS_14-0_QRY_CARRIERS
- ◆ A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE
- ◆ A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN
- ◆ A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMINS
- ◆ A_BROADSOFT-BNS_14-0_QRY_ENTERPRISES
- ◆ A_BROADSOFT-BNS_14-0_QRY_ENTNGWROUTING-ROUTING-DATA
- ◆ A_BROADSOFT-BNS_14-0_QRY_ENTNGWROUTING-ROUTING-PROPERTIES-DATA
- ◆ A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE
- ◆ A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-ADDR
- ◆ A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODE
- ◆ A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODES
- ◆ A_BROADSOFT-BNS_14-0_QRY_HOSTING-NES
- ◆ A_BROADSOFT-BNS_14-0_QRY_LCA-IDS

- ◆ A_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE
- ◆ A_BROADSOFT-BNS_14-0_QRY_RESOURCE-NE-ADDRS
- ◆ A_BROADSOFT-BNS_14-0_QRY_RESOURCE-NES
- ◆ A_BROADSOFT-BNS_14-0_QRY_SERVICE-PROVIDER-PROFILES
- ◆ A_BROADSOFT-BNS_14-0_QRY_SITE
- ◆ A_BROADSOFT-BNS_14-0_QRY_SITES
- ◆ A_BROADSOFT-BNS_14-0_QRY_TREATMENTS
- ◆ A_BROADSOFT-BNS_14-0_QRY_UNASSIGNED-DNS
- ◆ A_BROADSOFT-BNS_14-0_QRY_USER-GROUP
- ◆ A_BROADSOFT-BNS_14-0_QRY_USER-GROUPS
- ◆ A_BROADSOFT-BNS_14-0_QRY_VOICE-VPN-ROUTING-DATA
- ◆ A_BROADSOFT-BNS_14-0_QRY_VOICE-VPN-ROUTING-PROPERTIES-DATA
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_DN
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGE
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGE-RB
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGES
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGES-RB
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RB
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_DNS
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_DNS-RB
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_URL
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_URL-RB
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_URLS
- ◆ A_BROADSOFT-BNS_14-0_UNASSIGN_URLS-RB

A_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST

Authorizes a policy instance to use hosting NEs provisioned on the Network Server for routing.

It is implemented by the Java method:

`com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addAuthorizedHost`

Table 6: A_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 6: A_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
POLICY_NAME	The name of the policy. The valid values are FarEndHopOff or EntNGWRouting.			S	R
AUTHORIZED_HOST	The hosting network element provisioned on the network server being authorized.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addAuthorizedHost"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.AuthorizedHostData
enterprise="[ENTERPRISE]"
policy="[POLICY_NAME]"
authHost="[AUTHORIZED_HOST]">
</com.broadsoft.protocols.nsoss.AuthorizedHostData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_ENTERPRISE(G)--The enterprise name.

OLD_ENTERPRISE(C)--The enterprise name.

OLD_ENTERPRISE(R)--The enterprise name.

OLD_POLICY_NAME(G)--The name of the policy.

OLD_POLICY_NAME(C)--The name of the policy.

OLD_POLICY_NAME(R) --The name of the policy.

OLD_AUTHORIZED_HOST(G)--The hosting network element provisioned on the network server being authorized.

OLD_AUTHORIZED_HOST(C)--The hosting network element provisioned on the network server being authorized.

OLD_AUTHORIZED_HOST(R)--The hosting network element provisioned on the network server being authorized.

A_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST-RB

Rollback feature for the Delete Authd Host service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addAuthorizedHostRB

Table 7: A_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon .		S	R
OLD_POLICY_NAME	The name of the policy. The valid values are FarEndHopOff or EntNGWRouting.			S	R
OLD_AUTHORIZED_HOST	The hosting network element provisioned on the network server being authorized.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addAuthorizedHost"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.AuthorizedHostData
enterprise="[ENTERPRISE]"
policy="[POLICY_NAME]"
authHost="[AUTHORIZED_HOST]">
</com.broadsoft.protocols.nsoss.AuthorizedHostData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE

Adds an enterprise.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addEnterprise

Table 8: A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
DESCRIPTION	Description about the enterprise.			S	O
INTER_LATA_CARRIER	Inter LATA carrier ID.			S	O

Table 8: A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	O
INTERNATIONAL_CARRIER	International carrier ID.			S	O
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
CALL_LOGGING	Flag to enable or disable the call logging feature. The value can be either true or false. If this is not specified, will be defaulted to false.			S	O
LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="synchronizeEnterprise"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.EnterpriseData
description="[DESCRIPTION]"
name="[ENTERPRISE]"
interLataCarrier="[INTER_LATA_CARRIER]1"
internationalCarrier="[INTERNATIONAL_CARRIER]"
```

```

intraLataCarrier="[INTRA_LATA_CARRIER]"
profile="[PROFILE_NAME]"
callLogging="[CALL_LOGGING]"
lcaid="[LCA_ID]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsooss.EnterpriseData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN

Adds a new enterprise administrator in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addEnterpriseAdmin

Table 9: A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 9: A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R
ENT_ADMIN_PASSWORD	Enterprise administrator password.			S	R
FIRST_NAME	Enterprise administrator first name. If not specified, first name of the administrator will be blank.			S	O
LAST_NAME	Enterprise administrator last name. If not specified, last name of the administrator will be blank.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addEnterpriseAdmin"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.EnterpriseAdminData
enterprise="[ENTERPRISE]"
firstName="[FIRST_NAME]"
lastName="[LAST_NAME]"
password="[ENT_ADMIN_PASSWORD]"
```

```

userid="[ENT_ADMIN_USER_ID">
</com.broadsoft.protocols.nsooss.EnterpriseAdminData>
</commanddataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_ENTERPRISE(G)--The enterprise name. Must begin with an alphanumeric character.

OLD_ENTERPRISE(C)--The enterprise name. Must begin with an alphanumeric character.

OLD_ENTERPRISE(R)--The enterprise name. Must begin with an alphanumeric character.

OLD_ENT_ADMIN_USER_ID(G)--Enterprise administrator user id.

OLD_ENT_ADMIN_USER_ID(C)--Enterprise administrator user id.

OLD_ENT_ADMIN_USER_ID(R)--Enterprise administrator user id.

A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN-RB

Rollback feature for the Delete Enterprise Admin service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.addEnterpriseAdminRB

Table 10: A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R
OLD_ENT_ADMIN_PASSWORD	Enterprise administrator password.			S	R
OLD_FIRST_NAME	Enterprise administrator first name. If not specified, first name of the administrator will be blank.			S	O
OLD_LAST_NAME	Enterprise administrator last name. If not specified, last name of the administrator will be blank.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addEnterpriseAdmin"
transactionId="1"
```



```

loginId="[USER]">
<commanddataArray>
<com.broadsoft.protocols.nsooss.EnterpriseAdminData
enterprise="[ENTERPRISE]"
firstName="[FIRST_NAME]"
lastName="[LAST_NAME]"
password="[ENT_ADMIN_PASSWORD]"
userid="[ENT_ADMIN_USER_ID]">
</com.broadsoft.protocols.nsooss.EnterpriseAdminData>
</commanddataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-RB

Rollback feature for the Delete Enterprise service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addEnterpriseRB

Table 11: A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 11: A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_DESCRIPTION	Description about the enterprise.			S	O
OLD_INTER_LATA_CARRIER	Inter LATA carrier ID.			S	O
OLD_INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	O
OLD_INTERNATIONAL_CARRIER	International carrier ID.			S	O
OLD_PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
OLD_CALL_LOGGING	Flag to enable or disable the call logging feature. The value can be either true or false. If this is not specified, will be defaulted to false.			S	O
OLD_LCA_ID	Local calling area ID.	The maximum length is 32. String (0 to 32 characters).		S	O
OLD_SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128. String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="synchronizeEnterprise"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.EnterpriseData
description="[DESCRIPTION]"
name="[ENTERPRISE]"
interLataCarrier="[INTER_LATA_CARRIER]1"
internationalCarrier="[INTERNATIONAL_CARRIER]"
intraLataCarrier="[INTRA_LATA_CARRIER]"
profile="[PROFILE_NAME]"
callLogging="[CALL_LOGGING]"
lcaid="[LCA_ID]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsooss.EnterpriseData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_DATA

Adds a private EntNGWRouting policy instance data entry to the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addEntNGWRoutingRoutingData

Table 12: A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SITE	An existing site in the enterprise.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
CALL_TYPE	The existing call type in the system.			S	R
AUTHORIZED_HOST	The existing hosting NE, flagged as being an authorized host for the enterprise policy.			S	R
COST	The relative cost of an address on a network element (NE) node or a Web Server Farm node. An integer between 1 - 9.			S	R

Table 12: A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
WEIGHT	The relative weight of an address on a network element (NE) node or a Web Server Farm node. An integer between 0 - 99.			S	R
OUT_DM	The digit manipulation string containing digit manipulation instructions. 0 - 80 characters.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData
enterprise="EnterpriseX"
site="siteA"
callType="LO"
authHost="Host1"
cost="2"
weight="50"
outDM="POS(0), DEL(1)">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_DATA-RB

Rollback feature for the Delete Entngwrouting Routing Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.addEntNGWRoutingRoutingDataRB

Table 13: A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Table 13: A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_SITE	An existing site in the enterprise.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_CALL_TYPE	The existing call type in the system.			S	R
OLD_AUTHORIZED_HOST	The existing hosting NE, flagged as being an authorized host for the enterprise policy.			S	R
OLD_COST	The relative cost of an address on a network element (NE) node or a Web Server Farm node. An integer between 1 - 9.			S	R
OLD_WEIGHT	The relative weight of an address on a network element (NE) node or a Web Server Farm node. An integer between 0 - 99.			S	R
OLD_OUT_DM	The digit manipulation string containing digit manipulation instructions. 0 - 80 characters.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
```

```
commandType="addPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData
enterprise="EnterpriseX"
site="siteA"
callType="LO"
authHost="Host1"
cost="2"
weight="50"
outDM="POS (0), DEL (1)">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14- 0_ADD_ENTNGWRROUTING_ROUTING_PROPERTIES_DATA

Adds a private EntNGWRouting policy data entry to the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addEntNGWRoutingRoutingPropertiesData

Table 14: A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
CALL_TYPE	The existing call type in the enterprise.			S	R
DESCRIPTION	The description of the routing properties data.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addPrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesD
ata
callType="DA"
description="Directory Assistance for EntNGWRouting">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesDa
ta>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA-RB

Rollback feature for the Delete Entngwrouting Routing Properties Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addEntNGWRoutingRoutingPropertiesDataRB

Table 15: A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_CALL_TYPE	The existing call type in the enterprise.			S	O
OLD_DESCRIPTION	The description of the routing properties data.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addPrivatePolicyPropertiesDataEntry"
```

```

transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesData
ata
callType="DA"
description="Directory Assistance for EntNGWRouting">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesData
ta>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Adds a new hosting network element in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addHostingNe

Table 16: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 16: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NE_NAME	Hosting network element name.			S	R
PROFILE_NAME	Profile name.	The maximum length is 12 FK validation: Must be an existing profile.		S	R
COUNTRY_CODE	Country code. If not specified, the hosting network element will not have a default country code. If specified, it must be a valid country code entry provisioned in the system.	The maximum length is 3.FK validation: Must be an existing country code in the system.		S	R
DEF_ROUTING_ENTERPRISE	Default routing enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O
DEF_ROUTING_SITE	Default routing site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O

Table 16: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
DEF_SYNCH_ENTERPRISE	Default synchronization enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O
DEF_SYNCH_SITE	Default synchronization site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
POLL_REQUIRED	Flag to indicate whether the polling is required or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O
STATE	State of the hosting network element. The value can be either OffLine or OnLine. If not specified, it will be defaulted to OffLine.			S	O

Table 16: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
E164_SUPPORT	Flag to indicate whether the E164 directory format needs to be supported or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O
CALL_TYPE_INFO_REQUIRED	Flag to indicate whether the network element receives call type and call category information transmitted by the network server. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
PHONE_CONTEXT_SUPPORT	Flag to indicate whether the network element supports phone context in SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
FORKING_SUPPORT	Flag to indicate whether the network element supports parallel sending of SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O

Table 16: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
SOURCE_ID_SUPPORT	Flag to indicate whether the network element supports the originating trunk group (OTG) functionality. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
HOSTING_NE_TYPE	Type of the hosting network element. The value can be either broadworks or other. If not specified it will be defaulted to other.	The maximum length is 5. Integer value in range (from 1024 to 65535). Special value of 1 is also allowed, indicating that the Network Server does not return the port in the list of contacts.		S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addHostingNe"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeData
countryCode="[COUNTRY_CODE]"
defaultRoutingEnterprise="[DEF_ROUTING_ENTERPRISE]"
defaultRoutingSite="[DEF_ROUTING_SITE]"
defaultSynchEnterprise="[DEF_SYNCH_ENTERPRISE]"
defaultSynchSite="[DEF_SYNCH_SITE]"
name="[HOSTING_NE_NAME]"
poll="[POLL_REQUIRED]"
profile="[PROFILE_NAME]"
state="[STATE]"
supportsE164="[E164_SUPPORT]"
isCallTypeInfoRequired="[CALL_TYPE_INFO_REQUIRED]"
supportsPhoneContext="[PHONE_CONTEXT_SUPPORT]"

```

```
supportsForking="[FORKING_SUPPORT]"
supportsSourceId="[SOURCE_ID_SUPPORT]"
type="[HOSTING_NE_TYPE]">
</com.broadsoft.protocols.nsooss.HostingNeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

OLD_HOSTING_NE_NAME(G)--Hosting network element name.

OLD_HOSTING_NE_NAME(C)--Hosting network element name.

OLD_HOSTING_NE_NAME(R)--Hosting network element name.

A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR

Adds a new address for an existing hosting network element node in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addHostingNeAddress

Table 17: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
ADDRESS	Address for the network element node ID.			S	R
ADDRESS_TYPE	Address type value. The valid values are Signaling, Access, DualRouting and Alias. When the value Alias is provided, the system will use its predefined values for COST, WEIGHT and PORT.			S	R
COST	Cost value. Integer value between 1 to 9.This parameter is a mandatory one if the value for the parameter "ADDRESS_TYPE" was mentioned with either of the following "Signaling, Access, DualRouting".			S	O

Table 17: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
PORT_VALUE	Port value. The value can be in the range 1024 to 65535 or -1. If value -1 is specified, it is assumed that the port is not included in the list of contacts returned by the network server. If the value is not specified, the value is defaulted to 5060.			S	O
WEIGHT	Weight value. Integer value between 0 to 99. If this value is not specified, the value will be defaulted to 0.	The maximum length is 2. Integer value in range (from 0 to 99).		S	O
TRANSPORT	Transport type. It can take values udp, tcp or unspecified.			S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addHostingNeAddr"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]">
<addressArray>
<com.broadsoft.protocols.nsoss.HostingNeAddrData
address="[ADDRESS]"
cost="[COST]"
port="[PORT_VALUE]"
type="[ADDRESS_TYPE]"
weight="[WEIGHT]"
transport="[TRANSPORT]"

```

```

</com.broadsoft.protocols.nsooss.HostingNeAddrData>
</addressArray>
</com.broadsoft.protocols.nsooss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter to the SARM table using tbl_srq_param and as info parameter to the SARM table using tbl_info_parm. Otherwise the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_HOSTING_NE_NAME(G)--Hosting network element name.

OLD_HOSTING_NE_NAME(C)--Hosting network element name.

OLD_HOSTING_NE_NAME(R)--Hosting network element name.

OLD_NODE_ID(G)--Existing hosting network element node id in the system.

OLD_NODE_ID(C)--Existing hosting network element node id in the system.

OLD_NODE_ID(R)--Existing hosting network element node id in the system.

OLD_ADDRESS(G)--Address for the network element node id.

OLD_ADDRESS(C)--Address for the network element node id.

OLD_ADDRESS(R)--Address for the network element node id.

A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR-RB

Rollback feature for the Delete Hosting NE Addr service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addHostingNeAddressRB

Table 18: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
OLD_ADDRESS	Address for the network element node ID.			S	R
OLD_ADDRESS_TYPE	Address type value. The valid values are Signaling, Access, DualRouting and Alias. When the value Alias is provided, the system will use its predefined values for COST, WEIGHT and PORT.			S	R
OLD_COST	Cost value. Integer value between 1 to 9. This parameter is a mandatory one if the value for the parameter "ADDRESS_TYPE" was mentioned with either of the following "Signaling, Access, DualRouting".			S	O

Table 18: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_PORT_VALUE	Port value. The value can be in the range 1024 to 65535 or -1. If value -1 is specified, it is assumed that the port is not included in the list of contacts returned by the network server. If the value is not specified, the value is defaulted to 5060.			S	O
OLD_WEIGHT	Weight value. Integer value between 0 to 99. If this value is not specified, the value will be defaulted to 0.	The maximum length is 2. Integer value in range (from 0 to 99).		S	O
OLD_TRANSPORT	Transport type. It can take values udp, tcp or unspecified.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addHostingNeAddr"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]">
<addressArray>
<com.broadsoft.protocols.nsoss.HostingNeAddrData
address="[ADDRESS]"
cost="[COST]"
port="[PORT_VALUE]"
type="[ADDRESS_TYPE]"
weight="[WEIGHT]"
transport="[TRANSPORT]"
```

```

</com.broadsoft.protocols.nsooss.HostingNeAddrData>
</addressArray>
</com.broadsoft.protocols.nsooss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE

Adds a new node for an existing hosting network element in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addHostingNeNode

Table 19: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 19: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
NODE_ID	Hosting network element node ID to be created. The valid values are 1 to 9. The node 0 is automatically created by the system.	The maximum length is 1. Integer value in range (from 0 to 9).		S	R
DESCRIPTION	Description about the network element node.			S	O
DEFAULT_NODE	Flag to indicate whether the node ID provided will be the default node ID for the hosting network element or not. The value can be either true or false. If the value is not specified, then it will be defaulted to false.			S	O
HOSTING_NE_VERSION	Hosting network element version. It can take alpha numeric values.			S	O
PATCH_LEVEL	Patch level. It can take alpha numeric values.	The maximum length is 30.		S	O
MIN_PATCH_LEVEL	Minimum patch level. It can take alpha numeric values.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addHostingNeNode"
transactionId="1"
loginId="[USER]">
```

```
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]"
description="[DESCRIPTION]"
isDefault="[DEFAULT_NODE]"
version="[HOSTING_NE_VERSION]"
patchLevel="[PATCH_LEVEL]"
minimumPatchLevel="[MIN_PATCH_LEVEL]"
</com.broadsoft.protocols.nsoss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

OLD_HOSTING_NE_NAME(G)--Hosting network element name provisioned in the system.

OLD_HOSTING_NE_NAME(C)--Hosting network element name provisioned in the system.

OLD_HOSTING_NE_NAME(R)--Hosting network element name provisioned in the system.

OLD_NODE_ID(G)--Hosting network element node id to be created.

OLD_NODE_ID(C)--Hosting network element node id to be created.

OLD_NODE_ID(R)--Hosting network element node id to be created.

A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE-RB

Rollback feature for the Delete Hosting NE Node service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addHostingNeNodeRB

Table 20: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_NODE_ID	Hosting network element node ID to be created. The valid values are 1 to 9. The node 0 is automatically created by the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
OLD_DESCRIPTION	Description about the network element node.			S	O
OLD_DEFAULT_NODE	Flag to indicate whether the node ID provided will be the default node ID for the hosting network element or not. The value can be either true or false. If the value is not specified, then it will be defaulted to false.			S	O
OLD_HOSTING_NE_VERSION	Hosting network element version. It can take alpha numeric values.	The maximum length is 30.		S	O
OLD_PATCH_LEVEL	Patch level. It can take alpha numeric values.	The maximum length is 30.		S	O

Table 20: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_MIN_PATCH_LEVEL	Minimum patch level. It can take alpha numeric values.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addHostingNeNode"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]"
description="[DESCRIPTION]"
isDefault="[DEFAULT_NODE]"
version="[HOSTING_NE_VERSION]"
patchLevel="[PATCH_LEVEL]"
minimumPatchLevel="[MIN_PATCH_LEVEL]"
</com.broadsoft.protocols.nsoss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-RB

Rollback feature for the Delete Hosting NE service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addHostingNeRB

Table 21: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_PROFILE_NAME	Profile name.	The maximum length is 12 FK validation: Must be an existing profile.		S	R
OLD_COUNTRY_CODE	Country code. If not specified, the hosting network element will not have a default country code. If specified, it must be a valid country code entry provisioned in the system.			S	R
OLD_DEF_ROUTING_ENTERPRISE	Default routing enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O

Table 21: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_DEF_ROUTING_SITE	Default routing site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
OLD_DEF_SYNCH_ENTERPRISE	Default synchronization enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O
OLD_DEF_SYNCH_SITE	Default synchronization site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
OLD_POLL_REQUIRED	Flag to indicate whether the polling is required or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O

Table 21: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_STATE	State of the hosting network element. The value can be either OffLine or OnLine. If not specified, it will be defaulted to OffLine.			S	O
OLD_E164_SUPPORT	Flag to indicate whether the E164 directory format needs to be supported or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O
OLD_CALL_TYPE_INFO_REQUIRED	Flag to indicate whether the network element receives call type and call category information transmitted by the network server. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
OLD_PHONE_CONTEXT_SUPPORT	Flag to indicate whether the network element supports phone context in SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O

Table 21: A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_FORKING_SUPPORT	Flag to indicate whether the network element supports parallel sending of SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
OLD_SOURCE_ID_SUPPORT	Flag to indicate whether the network element supports the originating trunk group (OTG) functionality. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
OLD_HOSTING_NE_TYPE	Type of the hosting network element. The value can be either broadworks or other. If not specified it will be defaulted to other.	The maximum length is 5. Integer value in range (from 1024 to 65535). Special value of 1 is also allowed, indicating that the Network Server does not return the port in the list of contacts.		S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addHostingNe"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeData
countryCode="[COUNTRY_CODE]"
defaultRoutingEnterprise="[DEF_ROUTING_ENTERPRISE]"

```

```

defaultRoutingSite="[DEF_ROUTING_SITE]"
defaultSynchEnterprise="[DEF_SYNCH_ENTERPRISE]"
defaultSynchSite="[DEF_SYNCH_SITE]"
name="[HOSTING_NE_NAME]"
poll="[POLL_REQUIRED]"
profile="[PROFILE_NAME]"
state="[STATE]"
supportsE164="[E164_SUPPORT]"
isCallTypeInfoRequired="[CALL_TYPE_INFO_REQUIRED]"
supportsPhoneContext="[PHONE_CONTEXT_SUPPORT]"
supportsForking="[FORKING_SUPPORT]"
supportsSourceId="[SOURCE_ID_SUPPORT]"
type="[HOSTING_NE_TYPE]">
</com.broadsoft.protocols.nsoss.HostingNeData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE

Adds a private policy instance.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addPrivatePolicyInstance

Table 22: A_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
POLICY_NAME	The policy name. Must be one of following: EntNGWRouting, EntSIMPLE, EntSubLocation, ExtDialing, FarEndHopOff, voiceVPN, EntMediaSrvSel.			S	R
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ENABLED	The instance status. true or false.		false	S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addPrivatePolicyInstance"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.PrivatePolicyInstanceData
enabled=[ENABLED]
enterprise=[ENTERPRISE]
```



```

name=[POLICY_NAME]>
</com.broadsoft.protocols.nsoss.PrivatePolicyInstanceData>
</commanddataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter to the SARM table using tbl_srj_param and as info parameter to the SARM table using tbl_info_parm. Otherwise the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

OLD_ENTERPRISE(G)-- ENTERPRISE

OLD_ENTERPRISE(C)-- ENTERPRISE

OLD_ENTERPRISE(R)-- ENTERPRISE

OLD_POLICY_NAME(G)-- Policy name

OLD_POLICY_NAME(C)-- Policy name

OLD_POLICY_NAME(R)-- Policy name

A_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE-RB

Rollback feature for the Delete Private Policy Instance service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.addPrivatePolicyInstanceRB

Table 23: A_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_POLICY_NAME	The policy name. Must be one of following: EntNGWRouting, EntSIMPLE, EntSubLocation, ExtDialing, FarEndHopOff, voiceVPN, EntMediaSrvSel.			S	R
OLD_ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_ENABLED	The instance status. true or false.		false	S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addPrivatePolicyInstance"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.PrivatePolicyInstanceData
enabled=[ENABLED]
enterprise=[ENTERPRISE]
```

```

name=[POLICY_NAME]>
</com.broadsoft.protocols.nsooss.PrivatePolicyInstanceData>
</commanddataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_SITE

Adds an enterprise site.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addSite

Table 24: A_BROADSOFT-BNS_14-0_ADD_SITE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 24: A_BROADSOFT-BNS_14-0_ADD_SITE

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SITE_NAME	Name of the new site.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
DESCRIPTION	Description about the site being created.			S	O
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addSite"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.SiteData
enterprise="[ENTERPRISE]"
name="[SITE_NAME]"
description="[DESCRIPTION]"
```

```

profile="[PROFILE_NAME]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsoss.SiteData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_ENTERPRISE(G)--The enterprise name.

OLD_ENTERPRISE(C)--The enterprise name.

OLD_ENTERPRISE(R)--The enterprise name.

OLD_SITE_NAME(G)--Name of the new site.

OLD_SITE_NAME(C)--Name of the new site.

OLD_SITE_NAME(R)--Name of the new site.

A_BROADSOFT-BNS_14-0_ADD_SITE-RB

Rollback feature for the Delete Site service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addSiteRB

Table 25: A_BROADSOFT-BNS_14-0_ADD_SITE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_SITE_NAME	Name of the new site.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_DESCRIPTION	Description about the site being created.			S	O
OLD_PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12. FK validation: Must be an existing profile.		S	O
OLD_SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128. String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addSite"
transactionId="1"
```

```

loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.SiteData
enterprise="[ENTERPRISE]"
name="[SITE_NAME]"
description="[DESCRIPTION]"
profile="[PROFILE_NAME]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsooss.SiteData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN

Adds an unassigned DN to the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addUnassignedDn

Table 26: A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 26: A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN

Parameter Name	Description	Range	Default Value	Type	Class
DN	DN to be added.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

OLD_DN(G)--DN to be added.

OLD_DN(C)--DN to be added.

OLD_DN(R)--DN to be added.

A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE

Adds an unassigned DN range to the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addUnassignedDnRange

Table 27: A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
FROM_DN	Start of the DN range.			S	R
TO_DN	End of the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
```

```
</commandDataArray>  
</com.broadsoft.protocols.nsoss.Command>  
</commandArray>  
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_FROM_DN(G)--Start of the DN range.

OLD_FROM_DN(C)--Start of the DN range.

OLD_FROM_DN(R)--Start of the DN range.

OLD_TO_DN(G)--End of the DN range.

OLD_TO_DN(C)--End of the DN range.

OLD_TO_DN(R)--End of the DN range.

A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE-RB

Rollback feature for the Delete Unassigned DN Range service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addUnassignedDnRangeRB

Table 28: A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_FROM_DN	Start of the DN range.			S	R
OLD_TO_DN	End of the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES

Adds one or more unassigned DN ranges to the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addUnassignedDnRange

Table 29: A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
FROM_DN[++]	Start of the DN range.			I	M
TO_DN[++]	End of the DN range.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
```

```

</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_FROM_DN(G)--Start of the DN range.

OLD_FROM_DN(C)--Start of the DN range.

OLD_FROM_DN(R)--Start of the DN range.

OLD_TO_DN(G)--End of the DN range.

OLD_TO_DN(C)--End of the DN range.

OLD_TO_DN(R)--End of the DN range.

A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES-RB

Rollback feature for the Delete Unassigned DN Ranges service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addUnassignedDnRangeRB

Table 30: A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_FROM_DN	Start of the DN range.			S	R
OLD_TO_DN	End of the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RB

Rollback feature for the Delete Unassigned DN service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addUnassignedDnRB

Table 31: A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
DN	List of DNs to be added.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
```

```
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

Failure Case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

```
<ASDL_CMD>_ERROR_CODE = <Error Code>
```

```
<ASDL_CMD>_ERROR_TEXT = <Error Text>
```

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS

Adds one or more unassigned DNSs to the system.

It is implemented by the Java method:

```
com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.addUnassignedDn.
```

Table 32: A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
DN[++]	List of DNSs to be added.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
```



```

commandType="addUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_DN(G)--List of DNs to be added.

OLD_DN(C)--List of DNs to be added.

OLD_DN(R)--List of DNs to be added.

A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS-RB

Rollback feature for the Delete Unassigned DNS service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addUnassignedDnRB

Table 33: A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_DN[++]	List of DN's to be added.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_USER-GROUP

Adds a user group associated with an existing enterprise and hosting network element.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addUserGroup

Table 34: A_BROADSOFT-BNS_14-0_ADD_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
INTER_LATA_CARRIER	Inter LATA carrier ID.			S	O

Table 34: A_BROADSOFT-BNS_14-0_ADD_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	O
INTERNATIONAL_CARRIER	International carrier ID.			S	O
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="synchronizeUserGroup"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
enterprise="[ENTERPRISE]"
hostingNE="[HOSTING_NE_NAME]"
groupId="[USER_GROUP_ID]"
interLataCarrier="[INTER_LATA_CARRIER]1"
internationalCarrier="[INTERNATIONAL_CARRIER]"
intraLataCarrier="[INTRA_LATA_CARRIER]"
profile="[PROFILE_NAME]"
lcaid="[LCA_ID]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
```

```
</com.broadsoft.protocols.nso.soss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

Failure Case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

```
<ASDL_CMD>_ERROR_CODE = <Error Code>
```

```
<ASDL_CMD>_ERROR_TEXT = <Error Text>
```

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

OLD_USER_GROUP_ID(G)--User group id.

OLD_USER_GROUP_ID(C)--User group id.

OLD_USER_GROUP_ID(R)--User group id.

OLD_HOSTING_NE_NAME(G)--Hosting network element name.

OLD_HOSTING_NE_NAME(C)--Hosting network element name.

OLD_HOSTING_NE_NAME(R)--Hosting network element name.

A_BROADSOFT-BNS_14-0_ADD_USER-GROUP-RB

Rollback feature for the Delete User Group service.

It is implemented by the Java method:

```
com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addUserGroupRB
```

Table 35: A_BROADSOFT-BNS_14-0_ADD_USER-GROUP-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 35: A_BROADSOFT-BNS_14-0_ADD_USER-GROUP-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_INTER_LATA_CARRIER	Inter LATA carrier ID.			S	O
OLD_INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	O
OLD_INTERNATIONAL_CARRIER	International carrier ID.			S	O
OLD_PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
OLD_LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O
OLD_SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="synchronizeUserGroup"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
enterprise="[ENTERPRISE]"
hostingNE="[HOSTING_NE_NAME]"
groupID="[USER_GROUP_ID]"
interLataCarrier="[INTER_LATA_CARRIER]1"
internationalCarrier="[INTERNATIONAL_CARRIER]"
intraLataCarrier="[INTRA_LATA_CARRIER]"
profile="[PROFILE_NAME]"
lcaid="[LCA_ID]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA

Adds a private voice VPN policy instance data entry to the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addVoiceVPNRoutingData

Table 36: A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
ENTERPRISE	The group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R
LOCATION_CODE	The location code of a user group in an enterprise. A string between 1 - 15 characters.	The Max length is 1 to 15 characters		S	R
EXTENSION_MAX	The maximum length of an extension. An integer between 0 - 100.			S	R
EXTENSION_MIN	The minimum length for an extension. An integer between 0 - 100.			S	R
SELECTOR	The SELECTOR can be one of the following values: PRIVATE, PUBLIC, ROUTE, or TRMT.			S	R

Table 36: A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NE	The existing hosting NE in the system.	The maximum length is 40. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O
GROUP_ID	The existing user group hosted on the hosting NE.			S	O
TREATMENT_ID	The treatment ID in the system.			S	O
OUT_DM	The digit manipulation string containing digit manipulation instructions. Between 0 - 80 characters.			S	O
DESCRIPTION	The description of VPN routing data.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData
enterprise="EnterpriseX"
locCode="7"
extMin="4"
extMax="4"
selector="ROUTE"
outDM="POS (0), DEL (1) "
hostingNE="Host1"
groupID="Group1"
```

```

description="Host1-Group1 VPN entry with location code 7">
</com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA-RB

Rollback feature for the Delete Voice VPN Routing Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addVoiceVPNRoutingDataRB

Table 37: A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R

Table 37: A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENTERPRISE	The group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R
OLD_LOCATION_CODE	The location code of a user group in an enterprise. A string between 1 - 15 characters.	The Max length is 1 to 15 characters		S	R
OLD_EXTENSION_MAX	The maximum length of an extension. An integer between 0 - 100.			S	R
OLD_EXTENSION_MIN	The minimum length for an extension. An integer between 0 - 100.			S	R
OLD_SELECTOR	The SELECTOR can be one of the following values: PRIVATE, PUBLIC, ROUTE, or TRMT.			S	R
OLD_HOSTING_NAME	The existing hosting NE in the system.	The maximum length is 40. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O
OLD_GROUP_ID	The existing user group hosted on the hosting NE.			S	O
OLD_TREATMENT_ID	The treatment ID in the system.			S	O

Table 37: A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_OUT_DM	The digit manipulation string containing digit manipulation instructions. Between 0 - 80 characters.			S	O
OLD_DESCRIPTION	The description of VPN routing data.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData
enterprise="EnterpriseX"
locCode="7"
extMin="4"
extMax="4"
selector="ROUTE"
outDM="POS (0), DEL (1) "
hostingNE="Host1"
groupID="Group1"
description="Host1-Group1 VPN entry with location code 7">
</com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_PROPERTIES_DATA

Adds a private voiceVPN policy data entry to the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addVoiceVPNRoutingPropertiesData

Table 38: A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_PROPERTIES_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
TREATMENT_ID	The existing treatment ID in the system.			S	R
DESCRIPTION	The description of the VPN routing data.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="addPrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData
treatmentID="bdreq"
description="SIP format Error">
```

```

</
com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB

Rollback feature for the Delete Voice VPN Routing Properties Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.addVoiceVPNRoutingPropertiesDataRB

Table 39: A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_TREATMENT_ID	The existing treatment ID in the system.			S	R

Table 39: A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_DESCRIPTION	The description of the VPN routing data.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="addPrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData
treatmentID="bdreq"
description="SIP format Error">
</
com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ASSIGN_DN

Assigns a directory number to an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignDn

Table 40: A_BROADSOFT-BNS_14-0_ASSIGN_DN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
DN	DN to be assigned.			S	R
SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="assignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
```



```

groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_USER_GROUP_ID(G), value GROUPID

OLD_USER_GROUP_ID(C), value GROUPID

OLD_USER_GROUP_ID(R), value GROUPID

OLD_HOSTING_NE_NAME(G), value HOSTINGNENAME

OLD_HOSTING_NE_NAME(C), value HOSTINGNENAME

OLD_HOSTING_NE_NAME(R), value HOSTINGNENAME

OLD_DN(G), Dn Value

OLD_DN(C), Dn Value

OLD_DN(R), Dn Value

OLD_SITE_NAME(G), value SITENAME

OLD_SITE_NAME(C), value SITENAME

OLD_SITE_NAME(R), value SITENAME

A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGE

Assign directory number range to an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignDnRange

Table 41: A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
FROM_DN	Start of the DN range.			S	R
TO_DN	End of the DN range.			S	R
SITE_NAME	Site to be assigned for the DN range.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="assignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsooss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsooss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGE-RB

Rollback feature for the Unassign DN Range service.

It is implemented by the Java method:

`com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignDnRangeRB`

Table 42: A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ', ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_FROM_DN	Start of the DN range.			S	R
OLD_TO_DN	End of the DN range.			S	R
OLD_SITE_NAME	Site to be assigned for the DN range.	The maximum length is 20. Characters %, ', ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="assignAddresses"
transactionId="1"
loginId="[USER]">

```

```

<commanddataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsooss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsooss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commanddataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGES

Assigns one or more directory number ranges to an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignDnRange

Table 43: A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
FROM_DN[++]	Start of the DN range.			I	M
TO_DN[++]	End of the DN range.			I	M
SITE_NAME[++]	Site to be assigned for the DN range.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	I

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="assignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
```

```

<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

OLD_USER_GROUP_ID(G), value GROUPID

OLD_USER_GROUP_ID(C), value GROUPID

OLD_USER_GROUP_ID(R), value GROUPID

OLD_HOSTING_NE_NAME(G), value HOSTINGNENAME

OLD_HOSTING_NE_NAME(C), value HOSTINGNENAME

OLD_HOSTING_NE_NAME(R), value HOSTINGNENAME

OLD_FROM_DN(G), value DN

OLD_FROM_DN(C), value DN

OLD_FROM_DN(R), value DN

OLD_TO_DN(G), value DN

OLD_TO_DN(C), value DN

OLD_TO_DN(R), value DN

OLD_SITE_NAME(G), value SITENAME

OLD_SITE_NAME(C), value SITENAME

OLD_SITE_NAME(R), value SITENAME

A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGES-RB

Rollback feature for the Unassign DN Ranges service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignDnRangeRB

Table 44: A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGES-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_FROM_DN	Start of the DN range.			S	R
OLD_TO_DN	End of the DN range.			S	R
OLD_SITE_NAME	Site to be assigned for the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
```



```

<com.broadsoft.protocols.nsooss.Command
commandType="assignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsooss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsooss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ASSIGN_DN-RB

Rollback feature for the Unassign DN service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignDnRB

Table 45: A_BROADSOFT-BNS_14-0_ASSIGN_DN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_DN	DNs to be assigned.			S	R
OLD_SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="assignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dnArray>
<com.broadsoft.protocols.nsoss.DnData
```

```

dn="[DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsoss.DnData>
</dnArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ASSIGN_DNS

Assigns one or more directory numbers to an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignDn

Table 46: A_BROADSOFT-BNS_14-0_ASSIGN_DNS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 46: A_BROADSOFT-BNS_14-0_ASSIGN_DNS

Parameter Name	Description	Range	Default Value	Type	Class
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
DN[++]	List of DNS to be assigned.			I	M
SITE_NAME[++]	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	I

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="assignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_USER_GROUP_ID(G), value GROUPID

OLD_USER_GROUP_ID(C), value GROUPID

OLD_USER_GROUP_ID(R), value GROUPID

OLD_HOSTING_NE_NAME(G), value HOSTINGNENAME

OLD_HOSTING_NE_NAME(C), value HOSTINGNENAME

OLD_HOSTING_NE_NAME(R), value HOSTINGNENAME

OLD_DN(G), value Dn

OLD_DN(C), value Dn

OLD_DN(R), value Dn

OLD_SITE_NAME(G), value SITENAME

OLD_SITE_NAME(C), value SITENAME

OLD_SITE_NAME(R), value SITENAME11

A_BROADSOFT-BNS_14-0_ASSIGN_DNS-RB

Rollback feature for the Unassign DNS service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignDnRB

Table 47: A_BROADSOFT-BNS_14-0_ASSIGN_DNS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_DN	DNs to be assigned.			S	R
OLD_SITE_NAME	Site to be assigned for the DN.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="assignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dnArray>
<com.broadsoft.protocols.nsooss.DnData
dn="[DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsooss.DnData>
</dnArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
```

```

</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ASSIGN_URL

Assigns an URL to an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignUrl

Table 48: A_BROADSOFT-BNS_14-0_ASSIGN_URL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 48: A_BROADSOFT-BNS_14-0_ASSIGN_URL

Parameter Name	Description	Range	Default Value	Type	Class
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
URL	URL to be assigned.			S	R
SITE_NAME	Site to be assigned to the URL.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
LOGIN_ID_IND	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			S	R

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="assignAddresses"
transactionId="2">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<urlArray>
<com.broadsoft.protocols.nsoss.UrlData
url="[URL]"
site="[SITE_NAME]"

```



```

isLoginId="[LOGIN_ID_IND]"
</com.broadsoft.protocols.nsoss.UrlData>
</uRLArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ASSIGN_URL-RB

Rollback feature for the Unassign URL service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignUrlRB

Table 49: A_BROADSOFT-BNS_14-0_ASSIGN_URL-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 49: A_BROADSOFT-BNS_14-0_ASSIGN_URL-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_URL	URLs to be assigned.			S	R
OLD_SITE_NAME	Site to be assigned for the URL.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_LOGIN_ID_IND	Login ID indicator.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="assignAddresses"
transactionId="2">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<urlArray>
<com.broadsoft.protocols.nsoss.UrlData
url="[URL]"
site="[SITE_NAME]"
isLoginId="[LOGIN_ID_IND]"
</com.broadsoft.protocols.nsoss.UrlData>
</urlArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
```

```
</com.broadsoft.protocols.nso.soss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

Failure Case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

```
<ASDL_CMD>_ERROR_CODE = <Error Code>
```

```
<ASDL_CMD>_ERROR_TEXT = <Error Text>
```

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_ASSIGN_URLS

Assigns one or more URLs to an existing user group.

It is implemented by the Java method:

```
com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignUrl
```

Table 50: A_BROADSOFT-BNS_14-0_ASSIGN_URLS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 50: A_BROADSOFT-BNS_14-0_ASSIGN_URLS

Parameter Name	Description	Range	Default Value	Type	Class
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
URL[++]	List of URLs to be assigned.			I	M
SITE_NAME[++]	Site to be assigned to the URL.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	M
LOGIN_ID_IND[++]	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="assignAddresses"
transactionId="2">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<urlArray>
<com.broadsoft.protocols.nsoss.UrlData
url="[URL]"
```

```

site="[SITE_NAME]"
isLoginId="[LOGIN_ID_IND]"
</com.broadsoft.protocols.nsoss.UrlData>
</urlArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

OLD_USER_GROUP_ID(G), value GROUPID

OLD_USER_GROUP_ID(C), value GROUPID

OLD_USER_GROUP_ID(R), value GROUPID

OLD_HOSTING_NE_NAME(G), value HOSTINGNENAME

OLD_HOSTING_NE_NAME(C), value HOSTINGNENAME

OLD_HOSTING_NE_NAME(R), value HOSTINGNENAME

OLD_URL(G), value URL

OLD_URL(C), value URL

OLD_URL(R), value URL

OLD_SITE_NAME(G), value SITENAME

OLD_SITE_NAME(C), value SITENAME

OLD_SITE_NAME(R), value SITENAME

OLD_LOGIN_ID_IND(G), value Login_Id

OLD_LOGIN_ID_IND(C), value Login_Id

OLD_LOGIN_ID_IND(R), value Login_Id

A_BROADSOFT-BNS_14-0_ASSIGN_URLS-RB

Rollback feature for the Unassign URLs service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.assignUrlRB

Table 51: A_BROADSOFT-BNS_14-0_ASSIGN_URLS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_URL[++]	List of URLs to be assigned.			I	M
OLD_SITE_NAME[++]	Site to be assigned for the URL.			I	M
OLD_LOGIN_ID_IND[++]	Login ID indicator can have values true or false. true indicates that the provided URL is a Login ID. false indicates that the provided URL is an alias.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="assignAddresses"
transactionId="2">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<uRLArray>
<com.broadsoft.protocols.nsooss.UrlData
url="[URL]"
site="[SITE_NAME]"
isLoginId="[LOGIN_ID_IND]"
</com.broadsoft.protocols.nsooss.UrlData>
</uRLArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST

Unauthorizes a policy instance to use hosting NEs provisioned on the Network Server for routing.

It is implemented by the Java method:

`com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delAuthorizedHost`

Table 52: A_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
POLICY_NAME	The name of the policy. The valid values are FarEndHopOff or EntNGWRouting.			S	R
AUTHORIZED_HOST	The hosting network element provisioned on the network server which is authorized with the policy.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="deleteAuthorizedHost"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.AuthorizedHostData
enterprise="[ENTERPRISE]"
policy="[POLICY_NAME]"
authHost="[AUTHORIZED_HOST]">
```



```

</com.broadsoft.protocols.nsooss.AuthorizedHostData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
/commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_ENTERPRISE(G), value ENTERPRISE1

OLD_ENTERPRISE(C), value ENTERPRISE1

OLD_ENTERPRISE(R), value ENTERPRISE1

OLD_POLICY_NAME(G), value Policy name

OLD_POLICY_NAME(C), value Policy name

OLD_POLICY_NAME(R), value Policy name

OLD_AUTHORIZED_HOST(G), value AUTHORIZEDHOST

OLD_AUTHORIZED_HOST(C), value AUTHORIZEDHOST

OLD_AUTHORIZED_HOST(R), value AUTHORIZEDHOST

A_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST-RB

Rollback feature for the Add Authd Host service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.delAuthorizedHostRB

Table 53: A_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon .		S	R
OLD_POLICY_NAME	The name of the policy. The valid values are FarEndHopOff or EntNGWRouting.			S	R
OLD_AUTHORIZED_HOST	The hosting network element provisioned on the network server which is authorized with the policy.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteAuthorizedHost"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.AuthorizedHostData
enterprise="[ENTERPRISE]"
policy="[POLICY_NAME]"
authHost="[AUTHORIZED_HOST]">
</com.broadsoft.protocols.nsoss.AuthorizedHostData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
```

```
</com.broadsoft.protocols.nso.soss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

Failure Case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

```
<ASDL_CMD>_ERROR_CODE = <Error Code>
```

```
<ASDL_CMD>_ERROR_TEXT = <Error Text>
```

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE

Deletes an existing enterprise.

It is implemented by the Java method:

```
com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delEnterprise
```

Table 54: A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteEnterprise"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.EnterpriseData
name="[ENTERPRISE]">
</com.broadsoft.protocols.nsoss.EnterpriseData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN

Deletes an existing enterprise administrator from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.delEnterpriseAdmin

Table 55: A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteEnterpriseAdmin"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.EnterpriseAdminData
enterprise="[ENTERPRISE]"
userid="[ENT_ADMIN_USER_ID]">
</com.broadsoft.protocols.nsoss.EnterpriseAdminData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN-RB

Rollback feature for the Add Enterprise Admin service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delEnterpriseAdminRB

Table 56: A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteEnterpriseAdmin"
```

```

transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.EnterpriseAdminData
enterprise="[ENTERPRISE]"
userid="[ENT_ADMIN_USER_ID]">
</com.broadsoft.protocols.nsooss.EnterpriseAdminData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-RB

Rollback feature for the Add Enterprise service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.delEnterpriseRB

Table 57: A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 57: A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteEnterprise"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.EnterpriseData
name="[ENTERPRISE]">
</com.broadsoft.protocols.nsoss.EnterpriseData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_DATA

Deletes a private EntNGWRouting policy instance data entry from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.deleteEntNGWRoutingRoutingData

Table 58: A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R
SITE	The existing site in the enterprise.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R
CALL_TYPE	The existing call type in the enterprise.			S	R
AUTHORIZED_HOST	The existing hosting NE flagged as being an authorized host for the enterprise policy.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="deletePrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData
enterprise="EnterpriseX"
site="siteA"
callType="LO"
authHost="Host1">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_ENTNGWRROUTING_ROUTING_DATA-RB

Rollback feature for the Add Entngwrouting Routing Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.deleteEntNGWRoutingRoutingDataRB

Table 59: A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_SITE	The existing site in the enterprise.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_CALL_TYPE	The existing call type in the enterprise.			S	R
OLD_AUTHORIZED_HOST	The existing hosting NE flagged as being an authorized host for the enterprise policy.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deletePrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
```

```
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData
enterprise="EnterpriseX"
site="siteA"
callType="LO"
authHost="Host1">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData>
</commanddataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14- 0_DEL_ENTNGWRROUTING_ROUTING_PROPERTIES_DATA

Deletes a private EntNGWRouting policy data entry from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.deleteEntNGWRoutingRoutingPropertiesData

Table 60: A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_PROPERTIES_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
CALL_TYPE	The existing call type in the enterprise.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deletePrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesData
callType="DA">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_ENTNGWRROUTING_ROUTING_PROPERTIES_DATA-RB

Rollback feature for the Add Entngwrouting Routing Properties Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.deleteEntNGWRoutingRoutingPropertiesDataRB

Table 61: A_BROADSOFT-BNS_14-0_DEL_ENTNGWRROUTING_ROUTING_PROPERTIES_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_CALL_TYPE	The existing call type in the enterprise.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deletePrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesD
ata
callType="DA">
```

```

</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesData
ta>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE

Deletes an existing hosting network element from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delHostingNe

Table 62: A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="deleteHostingNe"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.HostingNeData
name="[HOSTING_NE_NAME]">
</com.broadsoft.protocols.nsooss.HostingNeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR

Deletes an existing network element node address from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.delHostingNeAddress

Table 63: A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
ADDRESS	Address for the network element node ID.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteHostingNeAddr"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]">
<addressArray>
<com.broadsoft.protocols.nsoss.HostingNeAddrData
address="[ADDRESS]">
</com.broadsoft.protocols.nsoss.HostingNeAddrData>
</addressArray>
</com.broadsoft.protocols.nsoss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR-RB

Rollback feature for the Add Hosting NE Addr service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delHostingNeAddressRB

Table 64: A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
OLD_ADDRESS	Address for the network element node ID.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="deleteHostingNeAddr"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]">
<addressArray>
<com.broadsoft.protocols.nsooss.HostingNeAddrData
address="[ADDRESS]">
</com.broadsoft.protocols.nsooss.HostingNeAddrData>
</addressArray>
</com.broadsoft.protocols.nsooss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE

Deletes an existing hosting network element node from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delHostingNeNode

Table 65: A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NODE_ID	Hosting network element node ID to be created. The valid values are 0 to 9. The default node ID can not be deleted.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteHostingNeNode"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]"
/>
</com.broadsoft.protocols.nsoss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE-RB

Rollback feature for the Add Hosting NE Node service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delHostingNeNodeRB

Table 66: A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_NODE_ID	Hosting network element node ID to be created. The valid values are 0 to 9. The default node ID can not be deleted.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
```

```

commandType="deleteHostingNeNode"
transactionId="1"
loginId="[USER]"
<commandDataArray>
<com.broadsoft.protocols.nsooss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]"
</com.broadsoft.protocols.nsooss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-RB

Rollback feature for the Add Hosting NE service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delHostingNeRB

Table 67: A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 67: A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="deleteHostingNe"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.HostingNeData
name="[HOSTING_NE_NAME]">
</com.broadsoft.protocols.nsooss.HostingNeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE

Deletes a private policy instance.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.deletePrivatePolicyInstance

Table 68: A_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
POLICY_NAME	The policy name. Must be one of following: EntNGWRouting, EntSIMPLE, EntSubLocation, ExtDialing, FarEndHopOff, voiceVPN, EntMediaSrvSel.			S	R
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deletePrivatePolicyInstance"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.PrivatePolicyInstanceData
```



```

enterprise=[ENTERPRISE]
name=[POLICY_NAME]>
</com.broadsoft.protocols.nsooss.PrivatePolicyInstanceData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE-RB

Rollback feature for the Add Private Policy Instance service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.deletePrivatePolicyInstanceRB

Table 69: A_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R

Table 69: A_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_POLICY_NAME	The policy name. Must be one of following: EntNGWRouting, EntSIMPLE, EntSubLocation, ExtDialing, FarEndHopOff, voiceVPN, EntMediaSrvSel.			S	R
OLD_ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deletePrivatePolicyInstance"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.PrivatePolicyInstanceData
enterprise=[ENTERPRISE]
name=[POLICY_NAME]>
</com.broadsoft.protocols.nsoss.PrivatePolicyInstanceData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_SITE

Deletes an existing enterprise site.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delSite

Table 70: A_BROADSOFT-BNS_14-0_DEL_SITE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SITE_NAME	Name of the site to be deleted. The DFLT_SITE of an enterprise can not be deleted.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="deleteSite"
transactionId="1"
loginId="[USER]">
<commanddataArray>
<com.broadsoft.protocols.nsooss.SiteData
enterprise="[ENTERPRISE]"
name="[SITE_NAME]"
</com.broadsoft.protocols.nsooss.SiteData>
</commanddataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_SITE-RB

Rollback feature for the Add Site service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.delSiteRB

Table 71: A_BROADSOFT-BNS_14-0_DEL_SITE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_SITE_NAME	Name of the site to be deleted. The DFLT_SITE of an enterprise can not be deleted.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteSite"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.SiteData
enterprise="[ENTERPRISE]"
name="[SITE_NAME]"
/>
</com.broadsoft.protocols.nsoss.SiteData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN

Deletes a DN from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delUnassignedDn

Table 72: A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
DN	DN to be deleted.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoas.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoas.Command
commandType="deleteUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoas.UnassignedNumberData>
```

```

<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN] ">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_DN(G)--DN to be added.

OLD_DN(C)--DN to be added.

OLD_DN(R)--DN to be added.

A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE

Deletes an unassigned DN range from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delUnassignedDnRange

Table 73: A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
FROM_DN	Start of the DN range.			S	R
TO_DN	End of the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_FROM_DN(G)--Start of the DN range.

OLD_FROM_DN(C)--Start of the DN range.

OLD_FROM_DN(R)--Start of the DN range.

OLD_TO_DN(G)--End of the DN range.

OLD_TO_DN(C)--End of the DN range.

OLD_TO_DN(R)--End of the DN range.

A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE-RB

Rollback feature for the Add Unassigned DN Range service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delUnassignedDnRangeRB

Table 74: A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_FROM_DN	Start of the DN range.			S	R
OLD_TO_DN	End of the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
```

```
commandType="deleteUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commanddataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commanddataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES

Deletes one or more unassigned DN ranges from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.delUnassignedDnRange

Table 75: A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
FROM_DN[++]	Start of the DN range.			I	M
TO_DN[++]	End of the DN range.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_FROM_DN(G)--Start of the DN range.

OLD_FROM_DN(C)--Start of the DN range.

OLD_FROM_DN(R)--Start of the DN range.

OLD_TO_DN(G)--End of the DN range.

OLD_TO_DN(C)--End of the DN range.

OLD_TO_DN(R)--End of the DN range.

A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES-RB

Rollback feature for the Add Unassigned DN Ranges service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delUnassignedDnRangeRB

Table 76: A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_FROM_DN	Start of the DN range.			S	R
OLD_TO_DN	End of the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
```

```

<com.broadsoft.protocols.nsoss.Command
commandType="deleteUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RB

Rollback feature for the Add Unassigned DN service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delUnassignedDnRB

Table 77: A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
DN	List of DNs to be deleted.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS

Deletes one or more unassigned DNS from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delUnassignedDn

Table 78: A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
DN[++]	List of DNS to be deleted.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commanddataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commanddataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

OLD_DN(G)--List of DN's to be added.

OLD_DN(C)--List of DN's to be added.

OLD_DN(R)--List of DN's to be added.

A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS-RB

Rollback feature for the Add Unassigned DNS service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delUnassignedDnRB

Table 79: A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_DN	List of DN's to be deleted.			I	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
```



```

<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteUnassignedNumber"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UnassignedNumberData>
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UnassignedNumberData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_USER-GROUP

Deletes an existing user group associated with a hosting network element.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delUserGroup

Table 80: A_BROADSOFT-BNS_14-0_DEL_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deleteUserGroup"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_USER-GROUP-RB

Rollback feature for the Add User Group service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.delUserGroupRB

Table 81: A_BROADSOFT-BNS_14-0_DEL_USER-GROUP-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
```

```
<com.broadsoft.protocols.nsooss.Command
commandType="deleteUserGroup"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_DATA

Deletes a private voice VPN policy instance data entry from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.deleteVoiceVPNRoutingData

Table 82: A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
LOCATION_CODE	The location code of a user group in an enterprise. A string between 1 - 15 characters.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deletePrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData
enterprise="EnterpriseX"
locCode="7">
</com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_DATA-RB

Rollback feature for the Add Voice VPN Routing Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.deleteVoiceVPNRoutingDataRB

Table 83: A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R

Table 83: A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_LOCATION_CODE	The location code of a user group in an enterprise. A string between 1 - 15 characters.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deletePrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData
enterprise="EnterpriseX"
locCode="7">
</com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_PROPERTIES_DATA

Deletes a private voice VPN policy data entry from the system. It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.deleteVoiceVPNRoutingPropertiesData

Table 84: A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_PROPERTIES_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
TREATMENT_ID	The existing treatment ID in the system. Required if selector is RMT.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deletePrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData
treatmentID="bdreq">
</
com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```


Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB

Rollback feature for the Add Voice VPN Routing Properties Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.deleteVoiceVPNRoutingPropertiesDataRB

Table 85: A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_TREATMENT_ID	The existing treatment ID in the system. Required if selector is RMT.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="deletePrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData
treatmentID="bdreq">
</
com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_DN

Modifies the attributes of the existing directory number.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyDn

Table 86: A_BROADSOFT-BNS_14-0_MOD_DN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
DN	DN to be assigned.			S	R
SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyAddresses"
transactionId="1"
loginId="[USER]">
<commanddataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dnArray>
<com.broadsoft.protocols.nsoss.DnData
```

```

dn="[DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsooss.DnData>
</dnArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_DN-RANGE

Modifies the attributes of the existing directory number range.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.modifyDnRange

Table 87: A_BROADSOFT-BNS_14-0_MOD_DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 87: A_BROADSOFT-BNS_14-0_MOD_DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
FROM_DN	Start of the DN range.			S	R
TO_DN	End of the DN range.			S	R
SITE_NAME	Site to be assigned for the DN range.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyAddresses"
transactionId="1"
loginId="[USER]">
<commanddataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commanddataArray>
</com.broadsoft.protocols.nsoss.Command>
```

```
</commandArray>
</com.broadsoft.protocols.nso.s.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_DN-RANGE-RB

Rollback feature for the Modify DN Range service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyDnRangeRB

Table 88: A_BROADSOFT-BNS_14-0_MOD_DN-RANGE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 88: A_BROADSOFT-BNS_14-0_MOD_DN-RANGE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_FROM_DN	Start of the DN range.			S	R
OLD_TO_DN	End of the DN range.			S	R
OLD_SITE_NAME	Site to be assigned for the DN range.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyAddresses"
transactionId="1"
loginId="[USER]">
<commanddataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commanddataArray>
</com.broadsoft.protocols.nsoss.Command>

```

```
</commandArray>
</com.broadsoft.protocols.nso.s.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_DN-RANGES

Modifies the attributes of the existing directory number ranges.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyDnRange

Table 89: A_BROADSOFT-BNS_14-0_MOD_DN-RANGES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 89: A_BROADSOFT-BNS_14-0_MOD_DN-RANGES

Parameter Name	Description	Range	Default Value	Type	Class
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
FROM_DN[++]	Start of the DN range.			I	M
TO_DN[++]	End of the DN range.			I	M
SITE_NAME[++]	Site to be assigned for the DN range.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	I

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>

```

```
</commandArray>
</com.broadsoft.protocols.nso.s.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_DN-RANGES-RB

Rollback feature for the Modify DN Ranges service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyDnRangeRB

Table 90: A_BROADSOFT-BNS_14-0_MOD_DN-RANGES-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 90: A_BROADSOFT-BNS_14-0_MOD_DN-RANGES-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_FROM_DN[++]	Start of the DN range.			I	M
OLD_TO_DN[++]	End of the DN range.			I	M
OLD_SITE_NAME[++]	Site to be assigned for the DN range.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="modifyAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsooss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsooss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_DN-RB

Rollback feature for the Modify DN service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyDnRB

Table 91: A_BROADSOFT-BNS_14-0_MOD_DN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_DN	DNs to be assigned.			S	R

Table 91: A_BROADSOFT-BNS_14-0_MOD_DN-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_DNS

Modifies the attributes of the existing directory numbers.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyDn.

Table 92: A_BROADSOFT-BNS_14-0_MOD_DNS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40. FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
DN[++]	List of DNs to be assigned.			I	M
SITE_NAME[++]	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		I	I

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_DNS-RB

Rollback feature for the Modify DNS service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyDnRB

Table 93: A_BROADSOFT-BNS_14-0_MOD_DNS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_DN[++]	List of DNs to be assigned.			I	M
OLD_SITE_NAME[++]	Site to be assigned for the DN.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nso.s.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nso.s.Command
commandType="modifyAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nso.s.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dnArray>
<com.broadsoft.protocols.nso.s.DnData
dn="[DN]"
site="[SITE_NAME]">
</com.broadsoft.protocols.nso.s.DnData>
</dnArray>
```



```

</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE

Modifies an existing enterprise.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyEnterprise

Table 94: A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Table 94: A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
DESCRIPTION	Description about the enterprise.			S	O
INTER_LATA_CARRIER	Inter LATA carrier ID.			S	R
INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	R
INTERNATIONAL_CARRIER	International carrier ID.			S	R
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	R
CALL_LOGGING	Flag to enable or disable the call logging feature. The value can be either true or false. If this is not specified, will be defaulted to false.			S	O
LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyEnterprise"
transactionId="1"
loginId="[USER]">
```

```

<commandDataArray>
<com.broadsoft.protocols.nsoss.EnterpriseData
description="[DESCRIPTION]"
name="[ENTERPRISE]"
interLataCarrier="[INTER_LATA_CARRIER]"
internationalCarrier="[INTERNATIONAL_CARRIER]"
intraLataCarrier="[INTRA_LATA_CARRIER]"
profile="[PROFILE_NAME]"
callLogging="[CALL_LOGGING]"
lcaid="[LCA_ID]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsoss.EnterpriseData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN

Modifies the properties of an existing enterprise administrator in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyEnterpriseAdmin

Table 95: A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R
ENT_ADMIN_PASSWORD	Enterprise administrator password. If not specified, the password will be remained same as the old one.			S	O
FIRST_NAME	Enterprise administrator first name. If not specified, first name of the administrator will be blank.			S	O
LAST_NAME	Enterprise administrator last name. If not specified, last name of the administrator will be blank.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
```

```

<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="modifyEnterpriseAdmin"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.EnterpriseAdminData
enterprise="[ENTERPRISE]"
firstName="[FIRST_NAME]"
lastName="[LAST_NAME]"
password="[ENT_ADMIN_PASSWORD]"
userid="[ENT_ADMIN_USER_ID]">
</com.broadsoft.protocols.nsooss.EnterpriseAdminData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN-RB

Rollback feature for the Modify Enterprise Admin service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyEnterpriseAdminRB

Table 96: A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.			S	R
OLD_ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R
OLD_ENT_ADMIN_PASSWORD	Enterprise administrator password. If not specified, the password will be remained same as the old one.			S	O
OLD_FIRST_NAME	Enterprise administrator first name. If not specified, first name of the administrator will be blank.			S	O
OLD_LAST_NAME	Enterprise administrator last name. If not specified, last name of the administrator will be blank.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyEnterpriseAdmin"
transactionId="1"
```

```

loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.EnterpriseAdminData
enterprise="[ENTERPRISE]"
firstName="[FIRST_NAME]"
lastName="[LAST_NAME]"
password="[ENT_ADMIN_PASSWORD]"
userid="[ENT_ADMIN_USER_ID]">
</com.broadsoft.protocols.nsooss.EnterpriseAdminData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-RB

Rollback feature for the Modify Enterprise service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyEnterpriseRB

Table 97: A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 97: A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.			S	R
OLD_DESCRIPTION	Description about the enterprise.			S	O
OLD_INTER_LATA_CARRIER	Inter LATA carrier ID.			S	R
OLD_INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	R
OLD_INTERNATIONAL_CARRIER	International carrier ID.			S	R
OLD_PROFILE_NAME	Existing routing profile name in the system.			S	R
OLD_CALL_LOGGING	Flag to enable or disable the call logging feature. The value can be either true or false. If this is not specified, will be defaulted to false.			S	O
OLD_LCA_ID	Local calling area ID.			S	O
OLD_SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.			S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyEnterprise"
transactionId="1"

```



```

loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.EnterpriseData
description="[DESCRIPTION]"
name="[ENTERPRISE]"
interLataCarrier="[INTER_LATA_CARRIER]"
internationalCarrier="[INTERNATIONAL_CARRIER]"
intraLataCarrier="[INTRA_LATA_CARRIER]"
profile="[PROFILE_NAME]"
callLogging="[CALL_LOGGING]"
lcaid="[LCA_ID]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsooss.EnterpriseData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_DATA

Modifies a private EntNGWRouting policy instance data entry from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyEntNGWRoutingRoutingData

Table 98: A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SITE	The existing site in the enterprise.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
CALL_TYPE	The existing call type in the enterprise.			S	R
AUTHORIZED_HOST	The existing hosting NE flagged as being an authorized host for the enterprise policy.			S	R
COST	The relative cost of an address on a network element (NE) node or a Web Server Farm node. An integer between 1 - 9.			S	R

Table 98: A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
WEIGHT	The relative weight of an address on a network element (NE) node or a Web Server Farm node. An integer between 0 - 99.			S	R
OUT_DM	The digit manipulation string containing digit manipulation instructions. Between 0 - 80 characters.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData
enterprise="EnterpriseX"
site="siteA"
callType="LO"
authHost="Host1"
cost="6"
weight="75"
outDM="POS (0), DEL (2)">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_DATA-RB

Rollback feature for the Modify Entngwrouting Routing Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyEntNGWRoutingRoutingDataRB

Table 99: A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Table 99: A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_SITE	The existing site in the enterprise.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_CALL_TYPE	The existing call type in the enterprise.			S	R
OLD_AUTHORIZED_HOST	The existing hosting NE flagged as being an authorized host for the enterprise policy.			S	R
OLD_COST	The relative cost of an address on a network element (NE) node or a Web Server Farm node. An integer between 1 - 9.			S	R
OLD_WEIGHT	The relative weight of an address on a network element (NE) node or a Web Server Farm node. An integer between 0 - 99.			S	R
OLD_OUT_DM	The digit manipulation string containing digit manipulation instructions. Between 0 - 80 characters.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
```

```
commandType="modifyPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData
enterprise="EnterpriseX"
site="siteA"
callType="LO"
authHost="Host1"
cost="6"
weight="75"
outDM="POS (0), DEL (2)">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14- 0_MOD_ENTNGWRROUTING_ROUTING_PROPERTIES_DATA

Modifies a private EntNGWRouting policy data entry from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyEntNGWRoutingRoutingPropertiesData

Table 100: A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
CALL_TYPE	The existing call type in the enterprise.			S	R
DESCRIPTION	The description of the entngwrouting properties data.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType=" modifyPrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesD
ata
callType="DA"
description="Directory Assistance for EntNGWRouting">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesDa
ta>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA-RB

Rollback feature for the Modify Entngwrouting Routing Properties Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.modifyEntNGWRoutingRoutingPropertiesDataRB

Table 101: A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_CALL_TYPE	The existing call type in the enterprise.			S	R
OLD_DESCRIPTION	The description of the entngwrouting properties data.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
```



```

<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType=" modifyPrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesData
ata
callType="DA"
description="Directory Assistance for EntNGWRouting">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesData
ta>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Modifies the properties of an existing hosting network element defined in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyHostingNe

Table 102: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
PROFILE_NAME	Profile name.	The maximum length is 12 FK validation: Must be an existing profile.		S	R
COUNTRY_CODE	Country code. If not specified, the hosting network element will not have a default country code. If specified, it must be a valid country code entry provisioned in the system.			S	R
DEF_ROUTING_ENTERPRISE	Default routing enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O

Table 102: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
DEF_ROUTING_SITE	Default routing site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
DEF_SYNCH_ENTERPRISE	Default synchronization enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O
DEF_SYNCH_SITE	Default synchronization site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
POLL_REQUIRED	Flag to indicate whether the polling is required or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O

Table 102: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
STATE	State of the hosting network element. The value can be either OffLine or OnLine. If not specified, it will be defaulted to OffLine.			S	O
E164_SUPPORT	Flag to indicate whether the E164 directory format needs to be supported or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O
CALL_TYPE_INFO_REQUIRED	Flag to indicate whether the network element receives call type and call category information transmitted by the network server. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
PHONE_CONTEXT_SUPPORT	Flag to indicate whether the network element supports phone context in SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O

Table 102: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
FORKING_SUPPORT	Flag to indicate whether the network element supports parallel sending of SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
SOURCE_ID_SUPPORT	Flag to indicate whether the network element supports the originating trunk group (OTG) functionality. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
HOSTING_NE_TYPE	Type of the hosting network element. The value can be either broadworks or other. If not specified it will be defaulted to other.	The maximum length is 5. Integer value in range (from 1024 to 65535). Special value of 1 is also allowed, indicating that the Network Server does not return the port in the list of contacts.		S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyHostingNe"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeData
countryCode="[COUNTRY_CODE]"

```

```
defaultRoutingEnterprise="[DEF_ROUTING_ENTERPRISE]"
defaultRoutingSite="[DEF_ROUTING_SITE]"
defaultSynchEnterprise="DEF_SYNCH_ENTERPRISE]"
defaultSynchSite="[DEF_SYNCH_SITE]"
name="[HOSTING_NE_NAME]"
poll="[POLL_REQUIRED]"
profile="[PROFILE_NAME]"
state="[STATE]"
supportsE164="[E164_SUPPORT]"
isCallTypeInfoRequired="[CALL_TYPE_INFO_REQUIRED]"
supportsPhoneContext="[PHONE_CONTEXT_SUPPORT]"
supportsForking="[FORKING_SUPPORT]"
supportsSourceId="[SOURCE_ID_SUPPORT]"
type="[HOSTING_NE_TYPE]">
</com.broadsoft.protocols.nsooss.HostingNeData>
</commanddataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR

Modifies an existing network element node address defined in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyHostingNeAddress

Table 103: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
ADDRESS	Address for the network element node ID.			S	R
ADDRESS_TYPE	Address type value. The valid values are Signaling, Access, DualRouting and Alias. When the value Alias is provided, the system will use its predefined values for COST, WEIGHT and PORT.			S	R
COST	Cost value. Integer value between 1 to 9. This parameter is a mandatory one if the value for the parameter "ADDRESS_TYPE" was mentioned with either of the following "Signaling, Access, DualRouting".			S	O

Table 103: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
PORT_VALUE	Port value. The value can be in the range 1024 to 65535 or -1. If value -1 is specified, it is assumed that the port is not included in the list of contacts returned by the network server. If the value is not specified, the value is defaulted to 5060.			S	O
WEIGHT	Weight value. Integer value between 0 to 99. If this value is not specified, the value will be defaulted to 0.	The maximum length is 2. Integer value in range (from 0 to 99).		S	O
TRANSPORT	Transport type. It can take values udp, tcp or unspecified.			S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyHostingNeAddr"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]">
<addressArray>
<com.broadsoft.protocols.nsoss.HostingNeAddrData
address="[ADDRESS]"
cost="[COST]"
port="[PORT_VALUE]"
type="[ADDRESS_TYPE]"
weight="[WEIGHT]"
transport="[TRANSPORT]"

```



```

</com.broadsoft.protocols.nsooss.HostingNeAddrData>
</addressArray>
</com.broadsoft.protocols.nsooss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR-RB

Rollback feature for the Modify Hosting NE Addr service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyHostingNeAddress

Table 104: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 104: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1. Integer value in range (from 0 to 9).		S	R
OLD_ADDRESS	Address for the network element node ID.			S	R
OLD_ADDRESS_TYPE	Address type value. The valid values are Signaling, Access, DualRouting and Alias. When the value Alias is provided, the system will use its predefined values for COST, WEIGHT and PORT.			S	R
OLD_COST	Cost value. Integer value between 1 to 9. This parameter is a mandatory one if the value for the parameter "ADDRESS_TYPE" was mentioned with either of the following "Signaling, Access, DualRouting".			S	O
OLD_PORT_VALUE	Port value. The value can be in the range 1024 to 65535 or -1. If value -1 is specified, it is assumed that the port is not included in the list of contacts returned by the network server. If the value is not specified, the value is defaulted to 5060.			S	O

Table 104: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_WEIGHT	Weight value. Integer value between 0 to 99. If this value is not specified, the value will be defaulted to 0.	The maximum length is 2. Integer value in range (from 0 to 99).		S	O
OLD_TRANSPORT	Transport type. It can take values udp, tcp or unspecified.			S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyHostingNeAddr"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]">
<addressArray>
<com.broadsoft.protocols.nsoss.HostingNeAddrData
address="[ADDRESS]"
cost="[COST]"
port="[PORT_VALUE]"
type="[ADDRESS_TYPE]"
weight="[WEIGHT]"
transport="[TRANSPORT]"
</com.broadsoft.protocols.nsoss.HostingNeAddrData>
</addressArray>
</com.broadsoft.protocols.nsoss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE

Modifies an existing hosting network element node defined in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyHostingNeNode

Table 105: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NODE_ID	Hosting network element node ID to be created. The valid values are 1 to 9. The node 0 is automatically created by the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
DESCRIPTION	Description about the network element node.			S	O

Table 105: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
DEFAULT_NODE	Flag to indicate whether the node ID provided will be the default node ID for the hosting network element or not. The value can be either true or false. If the value is not specified, then it will be defaulted to false.			S	O
HOSTING_NE_VERSION	Hosting network element version. It can take alpha numeric values.	The maximum length is 30.		S	O
PATCH_LEVEL	Patch level. It can take alpha numeric values.	The maximum length is 30.		S	O
MIN_PATCH_LEVEL	Minimum patch level. It can take alpha numeric values.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyHostingNeNode"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]"
description="[DESCRIPTION]"
isDefault="[DEFAULT_NODE]"
version="[HOSTING_NE_VERSION]"
patchLevel="[PATCH_LEVEL]"
minimumPatchLevel="[MIN_PATCH_LEVEL]"
</com.broadsoft.protocols.nsoss.HostingNeNodeData>
```

```

</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE-RB

Rollback feature for the Modify Hosting NE Node service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.modifyHostingNeNodeRB

Table 106: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 106: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_NODE_ID	Hosting network element node ID to be modified. The valid values are 0 to 9.	The maximum length is 1. Integer value in range (from 0 to 9).		S	R
OLD_DESCRIPTION	Description about the network element node.			S	O
OLD_DEFAULT_NODE	Flag to indicate whether the node ID provided will be the default node ID for the hosting network element or not. The value can be either true or false. If the value is not specified, then it will be defaulted to false.			S	O
OLD_HOSTING_NE_VERSION	Hosting network element version. It can take alpha numeric values.	The maximum length is 30.		S	O
OLD_PATCH_LEVEL	Patch level. It can take alpha numeric values.	The maximum length is 30.		S	O
OLD_MIN_PATCH_LEVEL	Minimum patch level. It can take alpha numeric values.			S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyHostingNeNode"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData

```

```

name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]"
description="[DESCRIPTION]"
isDefault="[DEFAULT_NODE]"
version="[HOSTING_NE_VERSION]"
patchLevel="[PATCH_LEVEL]"
minimumPatchLevel="[MIN_PATCH_LEVEL]"
</com.broadsoft.protocols.nsooss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-RB

Rollback feature for the Modify Hosting NE service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyHostingNeRB

Table 107: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 107: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_PROFILE_NAME	Profile name.	The maximum length is 12 FK validation: Must be an existing profile.		S	R
OLD_COUNTRY_CODE	Country code. If not specified, the hosting network element will not have a default country code. If specified, it must be a valid country code entry provisioned in the system.			S	R
OLD_DEF_ROUTING_ENTERPRISE	Default routing enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O
OLD_DEF_ROUTING_SITE	Default routing site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O

Table 107: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_DEF_SYNCH_ENTERPRISE	Default synchronization enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O
OLD_DEF_SYNCH_SITE	Default synchronization site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
OLD_POLL_REQUIRED	Flag to indicate whether the polling is required or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O
OLD_STATE	State of the hosting network element. The value can be either OffLine or OnLine. If not specified, it will be defaulted to OffLine.			S	O

Table 107: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_E164_SUPPORT	Flag to indicate whether the E164 directory format needs to be supported or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O
OLD_CALL_TYPE_INFO_REQUIRED	Flag to indicate whether the network element receives call type and call category information transmitted by the network server. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
OLD_PHONE_CONTEXT_SUPPORT	Flag to indicate whether the network element supports phone context in SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
OLD_FORKING_SUPPORT	Flag to indicate whether the network element supports parallel sending of SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O

Table 107: A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_SOURCE_ID_SUPPORT	Flag to indicate whether the network element supports the originating trunk group (OTG) functionality. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
OLD_HOSTING_NE_TYPE	Type of the hosting network element. The value can be either broadworks or other. If not specified it will be defaulted to other.	The maximum length is 5. Integer value in range (from 1024 to 65535). Special value of 1 is also allowed, indicating that the Network Server does not return the port in the list of contacts.		S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyHostingNe"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeData
countryCode="[COUNTRY_CODE]"
defaultRoutingEnterprise="[DEF_ROUTING_ENTERPRISE]"
defaultRoutingSite="[DEF_ROUTING_SITE]"
defaultSynchEnterprise="[DEF_SYNCH_ENTERPRISE]"
defaultSynchSite="[DEF_SYNCH_SITE]"
name="[HOSTING_NE_NAME]"
poll="[POLL_REQUIRED]"
profile="[PROFILE_NAME]"
state="[STATE]"
supportsE164="[E164_SUPPORT]"
isCallTypeInfoRequired="[CALL_TYPE_INFO_REQUIRED]"
supportsPhoneContext="[PHONE_CONTEXT_SUPPORT]"

```

```

supportsForking="[FORKING_SUPPORT]"
supportsSourceId="[SOURCE_ID_SUPPORT]"
type="[HOSTING_NE_TYPE]">
</com.broadsoft.protocols.nso.soss.HostingNeData>
</commandDataArray>
</com.broadsoft.protocols.nso.soss.Command>
</commandArray>
</com.broadsoft.protocols.nso.soss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE

Modifies a private policy instance.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyPrivatePolicyInstance

Table 108: A_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R

Table 108: A_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE

Parameter Name	Description	Range	Default Value	Type	Class
POLICY_NAME	The policy name. Must be one of following: EntNGWRouting, EntSIMPLE, EntSubLocation, ExtDialing, FarEndHopOff, voiceVPN, EntMediaSrvSel.			S	R
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ENABLED	The instance status. true or false.		false	S	O

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyPrivatePolicyInstance"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.PrivatePolicyInstanceData
enabled=[ENABLED]
enterprise=[ENTERPRISE]
name=[POLICY_NAME]>
</com.broadsoft.protocols.nsoss.PrivatePolicyInstanceData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE-RB

Rollback feature for the Modify Private Policy Instance service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyPrivatePolicyInstanceRB

Table 109: A_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_POLICY_NAME	The policy name. Must be one of following: EntNGWRouting, EntSIMPLE, EntSubLocation, ExtDialing, FarEndHopOff, voiceVPN, EntMediaSrvSel.			S	R

Table 109: A_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_ENABLED	The instance status. true or false.		false	S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="modifyPrivatePolicyInstance"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.PrivatePolicyInstanceData
enabled=[ENABLED]
enterprise=[ENTERPRISE]
name=[POLICY_NAME]>
</com.broadsoft.protocols.nsooss.PrivatePolicyInstanceData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_SITE

Modifies an existing enterprise site.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifySite

Table 110: A_BROADSOFT-BNS_14-0_MOD_SITE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SITE_NAME	Name of the site to be modified.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
DESCRIPTION	Description about the site.			S	O
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O

Table 110: A_BROADSOFT-BNS_14-0_MOD_SITE

Parameter Name	Description	Range	Default Value	Type	Class
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifySite"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.SiteData
enterprise="[ENTERPRISE]"
name="[SITE_NAME]"
description="[DESCRIPTION]"
profile="[PROFILE_NAME]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsoss.SiteData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_SITE-RB

Rollback feature for the Modify Site service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifySiteRB

Table 111: A_BROADSOFT-BNS_14-0_MOD_SITE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_SITE_NAME	Name of the site to be modified.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_DESCRIPTION	Description about the site.			S	O
OLD_PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
OLD_SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="modifySite"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.SiteData
enterprise="[ENTERPRISE]"
name="[SITE_NAME]"
description="[DESCRIPTION]"
profile="[PROFILE_NAME]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsooss.SiteData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_URL

Modifies the attributes of the existing URL.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyUrl

Table 112: A_BROADSOFT-BNS_14-0_MOD_URL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
URL	URL to be assigned.			S	R
SITE_NAME	Site to be assigned to the URL.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R
LOGIN_ID_IND	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
```

```
<com.broadsoft.protocols.nsooss.Command
commandType="modifyAddresses"
transactionId="2">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<urlArray>
<com.broadsoft.protocols.nsooss.UrlData
url="[URL]"
site="[SITE_NAME]"
isLoginId="[LOGIN_ID_IND]"
</com.broadsoft.protocols.nsooss.UrlData>
</urlArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_URL-RB

Rollback feature for the Modify URL service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyUrlRB

Table 113: A_BROADSOFT-BNS_14-0_MOD_URL-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_URL	URLs to be assigned.			S	R
OLD_SITE_NAME	Site to be assigned for the URL.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R
OLD_LOGIN_ID_IND	Login ID Indicator.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyAddresses"
transactionId="2">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<urlArray>
```

```

<com.broadsoft.protocols.nsoss.UrlData
url="[URL]"
site="[SITE_NAME]"
isLoginId="[LOGIN_ID_IND]"
</com.broadsoft.protocols.nsoss.UrlData>
</uRLArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_URLS

Modifies the attributes of the existing URLs.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyUrl

Table 114: A_BROADSOFT-BNS_14-0_MOD_URLS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R

Table 114: A_BROADSOFT-BNS_14-0_MOD_URLS

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
URL[++]	List of URLs to be assigned.			I	M
SITE_NAME[++]	Site to be assigned to the URL.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	M
LOGIN_ID_IND[++]	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyAddresses"
transactionId="2">
<commandDataArray>
```

```
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<URLArray>
<com.broadsoft.protocols.nsooss.UrlData
url="[URL]"
site="[SITE_NAME]"
isLoginId="[LOGIN_ID_IND]"
</com.broadsoft.protocols.nsooss.UrlData>
</URLArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_URLS-RB

Rollback feature for the Modify URLs service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyUrlRB

Table 115: A_BROADSOFT-BNS_14-0_MOD_URLS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_URL[++]	List of URLs to be assigned.			I	M
OLD_SITE_NAME[++]	Site to be assigned for the URL.			I	M
OLD_LOGIN_ID_IND[++]	Login ID indicator can have values true or false. true indicates that the provided URL is a Login ID. false indicates that the provided URL is an alias.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyAddresses"
transactionId="2">
<commandDataArray>
```

```
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<URLArray>
<com.broadsoft.protocols.nsooss.UrlData
url="[URL]"
site="[SITE_NAME]"
isLoginId="[LOGIN_ID_IND]"
</com.broadsoft.protocols.nsooss.UrlData>
</URLArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_USER-GROUP

Modifies an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyUserGroup

Table 116: A_BROADSOFT-BNS_14-0_MOD_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
INTER_LATA_CARRIER	Inter LATA carrier ID.			S	R
INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	R
INTERNATIONAL_CARRIER	International carrier ID.			S	R
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O

Table 116: A_BROADSOFT-BNS_14-0_MOD_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyUserGroup"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
enterprise="[ENTERPRISE]"
groupId="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]"
interLataCarrier="[INTER_LATA_CARRIER]"
internationalCarrier="[INTERNATIONAL_CARRIER]"
intraLataCarrier="[INTRA_LATA_CARRIER]"
profile="[PROFILE_NAME]"
lcaid="[LCA_ID]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_USER-GROUP-RB

Rollback feature for the Modify User Group service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyUserGroupRB

Table 117: A_BROADSOFT-BNS_14-0_MOD_USER-GROUP-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ', ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ', ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_INTER_LATA_CARRIER	Inter LATA carrier ID.			S	R

Table 117: A_BROADSOFT-BNS_14-0_MOD_USER-GROUP-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	R
OLD_INTERNATIONAL_CARRIER	International carrier ID.			S	R
OLD_PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
OLD_LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O
OLD_SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyUserGroup"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
enterprise="[ENTERPRISE]"
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]"
interLataCarrier="[INTER_LATA_CARRIER]"
internationalCarrier="[INTERNATIONAL_CARRIER]"
intraLataCarrier="[INTRA_LATA_CARRIER]"
profile="[PROFILE_NAME]"
lcaid="[LCA_ID]"
sourceId="[SOURCE_ID]">
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
```



```
</com.broadsoft.protocols.nso.soss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

Failure Case:

```
<ASDL_CMD>_UDET = <User Defined Exit Type>
```

```
<ASDL_CMD>_RETURN_INFO = <NE Response>
```

```
<ASDL_CMD>_ERROR_CODE = <Error Code>
```

```
<ASDL_CMD>_ERROR_TEXT = <Error Text>
```

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_DATA

Modifies a private voice VPN policy instance data entry from the system.

It is implemented by the Java method:

```
com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyVoiceVPNRoutingData
```

Table 118: A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Table 118: A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_DATA

Parameter Name	Description	Range	Default Value	Type	Class
LOCATION_CODE	The location code of a user group in an enterprise. A string between 1 - 15 characters.			S	R
EXTENSION_MAX	The maximum length of an extension. An integer between 0 - 100.			S	R
EXTENSION_MIN	The minimum length of an extension. An integer between 0 - 100.			S	R
SELECTOR	The SELECTOR can be one of the following values: PRIVATE, PUBLIC, ROUTE, or TRMT.			S	R
HOSTING_NE	The existing hosting NE in the system.	The maximum length is 40. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O
GROUP_ID	The existing user group hosted on the hosting NE.			S	O
TREATMENT_ID	The existing treatment ID in the system.			S	O
OUT_DM	The digit manipulation string containing digit manipulation instructions. Between 0 - 80 characters.			S	O
DESCRIPTION	The description of VPN routing data.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="modifyPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData
enterprise="EnterpriseX"
locCode="7"
extMin="5"
extMax="5"
selector="ROUTE"
outDM="POS(0), DEL(2)"
hostingNE="Host2"
groupID="Group2"
description="Host2-Group2 VPN entry with location code 7">
</com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.Command>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_DATA-RB

Rollback feature for the Modify Voice VPN Routing Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.modifyVoiceVPNRoutingDataRB

Table 119: A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_LOCATION_CODE	The location code of a user group in an enterprise. A string between 1 - 15 characters.			S	R
OLD_EXTENSION_MAX	The maximum length of an extension. An integer between 0 - 100.			S	R
OLD_EXTENSION_MIN	The minimum length of an extension. An integer between 0 - 100.			S	R
OLD_SELECTOR	The SELECTOR can be one of the following values: PRIVATE, PUBLIC, ROUTE, or TRMT.			S	R
OLD_HOSTING_NE	The existing hosting NE in the system.			S	O

Table 119: A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_GROUP_ID	The existing user group hosted on the hosting NE.			S	O
OLD_TREATMENT_ID	The existing treatment ID in the system.			S	O
OLD_OUT_DM	The digit manipulation string containing digit manipulation instructions. Between 0 - 80 characters.			S	O
OLD_DESCRIPTION	The description of VPN routing data.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData
enterprise="EnterpriseX"
locCode="7"
extMin="5"
extMax="5"
selector="ROUTE"
outDM="POS(0), DEL(2)"
hostingNE="Host2"
groupID="Group2"
description="Host2-Group2 VPN entry with location code 7">
</com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.Command>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_PROPERTIES_DATA

Modifies a private voiceVPN policy data entry from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyVoiceVPNRoutingPropertiesData

Table 120: A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_PROPERTIES_DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
TREATMENT_ID	The existing treatment ID in the system. Required if selector is RMT.			S	R
DESCRIPTION	The description of VPN routing properties data.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="modifyPrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData
treatmentID="bdreq"
description="SIP format Error">
</
com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB

Rollback feature for the Modify Voice VPN Routing Properties Data service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.modifyVoiceVPNRoutingPropertiesDataRB

Table 121: A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_PROPERTIES_DATA-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The Broadworks Network Server identifier.			S	R
OLD_TREATMENT_ID	The existing treatment ID in the system. Required if selector is RMT.			S	R
OLD_DESCRIPTION	The description of VPN routing properties data.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="9.0">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="modifyPrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData
treatmentID="bdreq"
description="SIP format Error">
</
com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_QRY_ALL-PRIVATE-POLICIES

Queries the list of all private routing policies currently defined.

It is implemented by the Java method:

`com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.qryAllPrivatePolicies`

Table 122: A_BROADSOFT-BNS_14-0_QRY_ALL-PRIVATE-POLICIES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getAllPrivatePolicies"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
```

</com.broadsoft.protocols.nsoss.BroadsoftDocument>

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. The response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

BNS_14-0_PRIVATE_POLICIES[i](C),value policy name

BNS_14-0_PRIVATE_POLICIES[i](I),value policy name

OLD_BNS_14-0_PRIVATE_POLICIES[i](G),value policy name

OLD_BNS_14-0_PRIVATE_POLICIES[i](C),value policy name

OLD_BNS_14-0_PRIVATE_POLICIES[i](R),value policy name

A_BROADSOFT-BNS_14-0_QRY_AUTHD-HOST

Queries the list of all the authorized hosts for a policy instance.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryAuthorizedHost

Table 123: A_BROADSOFT-BNS_14-0_QRY_AUTHD-HOST

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ?, ? and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
POLICY_NAME	The name of the policy. The valid values are FarEndHopOff or EntNGWRouting.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getAuthorizedHosts"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.AuthorizedHostData
enterprise="[ENTERPRISE]"
policy="[POLICY_NAME]">
```

```
</com.broadsoft.protocols.nsoss.AuthorizedHostData>  
</commandDataArray>  
</com.broadsoft.protocols.nsoss.Command>  
</commandArray>  
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. The response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

BNS_14-0_AUTHORIZED_HOSTS[n](C), value AUTHORIZEDHOST

BNS_14-0_AUTHORIZED_HOSTS[n](I), value AUTHORIZEDHOST

OLD_BNS_14-0_AUTHORIZED_HOSTS[n](G), value AUTHORIZEDHOST

OLD_BNS_14-0_AUTHORIZED_HOSTS[n](C), value AUTHORIZEDHOST

OLD_BNS_14-0_AUTHORIZED_HOSTS[n](R), value AUTHORIZEDHOST

A_BROADSOFT-BNS_14-0_QRY_CALL-TYPES

Queries all the existing call types.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryCallTypes

Table 124: A_BROADSOFT-BNS_14-0_QRY_CALL-TYPES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getCallTypes"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_UNASSIGNED_DN_LIST[n].DN Directory numbers.

BNS_14-0_UNASSIGNED_DN_RANGE_LIST[n].FROM_DN From directory number for the DN range.

BNS_14-0_UNASSIGNED_DN_RANGE_LIST[n].TO_DN To directory number for the DN range.

A_BROADSOFT-BNS_14-0_QRY_CARRIERS

Queries all the carriers that are currently defined on the network server.

It is implemented by the Java method:

`com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryCarriers`

Table 125: A_BROADSOFT-BNS_14-0_QRY_CARRIERS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getAllCarriers"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_CARRIERS[n].CARRIER_ID Carrier IDs.

BNS_14-0_CARRIERS[n].COUNTRY_CODE Country code.

A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE

Queries the information about an existing enterprise.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryEnterprise

Table 126: A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O

Table 126: A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getEnterprise"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.EnterpriseData
name="[ENTERPRISE]">
</com.broadsoft.protocols.nsoss.EnterpriseData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_ENTERPRISE_ENTERPRISE Enterprise name.

BNS_14-0_ENTERPRISE_DESCRIPTION Enterprise description.

BNS_14-0_ENTERPRISE_INTER_LATA_CARRIER Inter LATA carrier code.

BNS_14-0_ENTERPRISE_INTRA_LATA_CARRIER Intra LATA carrier code.

BNS_14-0_ENTERPRISE_INTERNATIONAL_CARRIER International carrier code.

BNS_14-0_ENTERPRISE_PROFILE_NAME Profile name.

BNS_14-0_ENTERPRISE_CALL_LOGGING Flag to indicate whether the call logging is required or not.

BNS_14-0_ENTERPRISE_LCA_ID Local Call Area ID.

BNS_14-0_ENTERPRISE_SOURCE_ID Source ID.

BNS_14-0_ENTERPRISE_POLICIES List of policies supported (comma separated list of policies).

A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN

Queries the properties of an existing enterprise administrator in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.qryEnterpriseAdmin

Table 127: A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O

Table 127: A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getEnterpriseAdmin"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.EnterpriseAdminData
enterprise="[ENTERPRISE]"
userid="[ENT_ADMIN_USER_ID]">
</com.broadsoft.protocols.nsoss.EnterpriseAdminData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

ENTERPRISE(C), value ENTERPRISE1

ENTERPRISE(I), value ENTERPRISE1

OLD_ENTERPRISE(G), value ENTERPRISE1

OLD_ENTERPRISE(C), value ENTERPRISE1

OLD_ENTERPRISE(R), value ENTERPRISE1

FIRST_NAME(C), value firstname

FIRST_NAME(I), value firstname

OLD_FIRST_NAME(G), value firstname

OLD_FIRST_NAME(C), value firstname

OLD_FIRST_NAME(R), value firstname

LAST_NAME(C), value lastname

LAST_NAME(I), value lastname

OLD_LAST_NAME(G), value lastname

OLD_LAST_NAME(C), value lastname

OLD_LAST_NAME(R), value lastname

ENT_ADMIN_USER_ID(C), value ADMIN

ENT_ADMIN_USER_ID(I), value ADMIN

OLD_ENT_ADMIN_USER_ID(G), value ADMIN

OLD_ENT_ADMIN_USER_ID(C), value ADMIN

OLD_ENT_ADMIN_USER_ID(R), value ADMIN

A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMINS

Queries the properties of all existing enterprise administrators in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryEnterpriseAdmins

Table 128: A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMINS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R\
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getEnterpriseAdmins"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. The response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_ENTERPRISE_ADMIN_ENTERPRISE Enterprise name.

BNS_14-0_ENTERPRISE_ADMIN_FIRST_NAME First name of the enterprise admin.

BNS_14-0_ENTERPRISE_ADMIN_LAST_NAME Last name of the enterprise admin.

BNS_14-0_ENTERPRISE_ADMIN_END_ADMIN_USER_ID Enterprise admin user id.

A_BROADSOFT-BNS_14-0_QRY_ENTERPRISES

Queries the information about all existing enterprises.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryEnterprises

Table 129: A_BROADSOFT-BNS_14-0_QRY_ENTERPRISES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getEnterprises"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_ENTERPRISE_ENTERPRISE Enterprise name.

BNS_14-0_ENTERPRISE_DESCRIPTION Enterprise description.

BNS_14-0_ENTERPRISE_INTER_LATA_CARRIER Inter LATA carrier code.

BNS_14-0_ENTERPRISE_INTRA_LATA_CARRIER Intra LATA carrier code.

BNS_14-0_ENTERPRISE_INTERNATIONAL_CARRIER International carrier code.

BNS_14-0_ENTERPRISE_PROFILE_NAME Profile name.

BNS_14-0_ENTERPRISE_CALL_LOGGING Flag to indicate whether the call logging is required or not.

BNS_14-0_ENTERPRISE_LCA_ID Local Call Area ID.

BNS_14-0_ENTERPRISE_SOURCE_ID Source ID.

BNS_14-0_ENTERPRISE_POLICIES List of policies supported (comma separated list of policies).

A_BROADSOFT-BNS_14-0_QRY_ENTNGWROUTING-ROUTING-DATA

Queries the enterprise policy instance data entries of policy type EntNGWRouting.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryEntNGWRoutingData

Table 130: A_BROADSOFT-BNS_14-0_QRY_ENTNGWRROUTING-ROUTING-DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType=" getPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData
enterprise="[ENTERPRISE]">
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_ENTNGWROUTING_ROUTING_DATA [n].ENTERPRISE Enterprise name.

BNS_14-0_ENTNGWROUTING_ROUTING_DATA [n].CALL_TYPE Call type value.

BNS_14-0_ENTNGWROUTING_ROUTING_DATA [n].COST The value between 1 and 9.

BNS_14-0_ENTNGWROUTING_ROUTING_DATA [n].AUTHORIZED_HOST
Authorization Host value.

BNS_14-0_ENTNGWROUTING_ROUTING_DATA [n].OUT_DM The value between 0 to 80.

BNS_14-0_ENTNGWROUTING_ROUTING_DATA [n].SITE_NAME Site name.

BNS_14-0_ENTNGWROUTING_ROUTING_DATA [n].WEIGHT The value between 0 and 99.

A_BROADSOFT-BNS_14-0_QRY_ENTNGWROUTING-ROUTING-PROPERTIES-DATA

Queries the enterprise policy data property entries of policy type EntNGWRouting.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryEntNGWRoutingPropertiesData

Table 131: A_BROADSOFT-BNS_14-0_QRY_ENTNGWROUTING-ROUTING-PROPERTIES-DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType=" getPrivatePolicyPropertiesDataEntry "
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesData>
</
com.broadsoft.routingserver.policies.entngwrouting.EntNGWRoutingPropertiesData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_ENTNGWROUTING_ROUTING_PROPERTIES_DATA [n].CALL_TYPE Call type value.

BNS_14-0_ENTNGWROUTING_ROUTING_PROPERTIES_DATA [n].DESCRIPTION Description.

A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE

Queries the properties of an existing hosting network element defined in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryHostingNe

Table 132: A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
```

```

<com.broadsoft.protocols.nsooss.Command
commandType="getHostingNe"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.HostingNeData
name="[HOSTING_NE_NAME]">
</com.broadsoft.protocols.nsooss.HostingNeData>
commandDataArray>
<com.broadsoft.protocols.nsooss.Command>
/commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_HOSTING_NE_COUNTRY_CODE Country code.

BNS_14-0_HOSTING_NE_DEF_ROUTING_ENTERPRISE Default routing enterprise.

BNS_14-0_HOSTING_NE_DEF_ROUTING_SITE Default routing site.

BNS_14-0_HOSTING_NE_DEF_SYNCH_ENTERPRISE Default synch enterprise.

BNS_14-0_HOSTING_NE_DEF_SYNCH_SITE Default synch site.

BNS_14-0_HOSTING_NE_HOSTING_NE_NAME Hosting network element name.

BNS_14-0_HOSTING_NE_POLL_REQUIRED Flag to indicate whether the network element supports polling.

BNS_14-0_HOSTING_NE_PROFILE_NAME Profile name.

BNS_14-0_HOSTING_NE_STATE State of the hosting network element.

BNS_14-0_HOSTING_NE_E164_SUPPORT Flag to indicate whether the network element supports E164 operations.

BNS_14-0_HOSTING_NE_CALL_TYPE_INFO_REQUIRED Flag to indicate whether the call type info being required by the hosting element or not.

BNS_14-0_HOSTING_NE_PHONE_CONTEXT_SUPPORT Flag to indicate whether the phone context is supported or not.

BNS_14-0_HOSTING_NE_FORKING_SUPPORT Flag to indicate whether the forking is supported or not.

BNS_14-0_HOSTING_NE_SOURCE_ID_SUPPORT Flag to indicate whether the source id is supported or not.

BNS_14-0_HOSTING_NE_HOSTING_NE_TYPE Hosting network element type.

A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-ADDR

Queries all the addresses defined for an existing hosting network element node.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryHostingNeAddress

Table 133: A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="getHostingNeAdrrs"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]">
</com.broadsoft.protocols.nsooss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter to the SARM table using tbl_srq_parm and as info parameter to the SARM table using tbl_info_parm. Otherwise the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_HOSTING_NE_ADDRESS[n].HOSTING_NE_NAME Hosting NE name.

BNS_14-0_HOSTING_NE_ADDRESS[n].NODE_ID Hosting NE node id.

BNS_14-0_HOSTING_NE_ADDRESS[n].ADDRESS Hosting NE address.

BNS_14-0_HOSTING_NE_ADDRESS[n].COST Hosting NE Cost.

BNS_14-0_HOSTING_NE_ADDRESS[n].PORT_VALUE Hosting NE port.

BNS_14-0_HOSTING_NE_ADDRESS[n].ADDRESS_TYPE Hosting NE type.

BNS_14-0_HOSTING_NE_ADDRESS[n].WEIGHT Hosting NE weight.

BNS_14-0_HOSTING_NE_ADDRESS[n].TRANSPORT Transport type.

BNS_14-0_HOSTING_NE_ADDRESS[n].DESCRIPTION Hosting NE description.

BNS_14-0_HOSTING_NE_ADDRESS[n].DEFAULT_NODE Flag to indicate whether the hosting NE node is the default one or not.

BNS_14-0_HOSTING_NE_ADDRESS[n].MIN_PATCH_LEVEL, minimumPatchLevel value.

BNS_14-0_HOSTING_NE_ADDRESS[n].PATCH_LEVEL, patchLevel value.

BNS_14-0_HOSTING_NE_ADDRESS[n].HOSTING_NE_VERSION, version value.

A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODE

Queries the properties of an existing hosting network element node defined in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryHostingNeNode

Table 134: A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NODE_ID	Hosting network element node ID to be created. The valid values are 0 to 9. The default node ID can not be deleted.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O

Table 134: A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getHostingNeNode"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.HostingNeNodeData
name="[HOSTING_NE_NAME]"
nodeId="[NODE_ID]"
/>
</com.broadsoft.protocols.nsoss.HostingNeNodeData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_HOSTING_NE_NODE_HOSTING_NE_NAME Hosting NE name.

BNS_14-0_HOSTING_NE_NODE_NODE_ID Hosting NE node id.

BNS_14-0_HOSTING_NE_NODE_HOSTING_NE_VERSION Hosting NE version.

BNS_14-0_HOSTING_NE_NODE_PATCH_LEVEL Patch level.

BNS_14-0_HOSTING_NE_NODE_MIN_PATCH_LEVEL Minimum patch level.

BNS_14-0_HOSTING_NE_NODE_ADDRESS Hosting NE address.

BNS_14-0_HOSTING_NE_NODE_COST Hosting NE Cost.

BNS_14-0_HOSTING_NE_NODE_PORT_VALUE Hosting NE port.

BNS_14-0_HOSTING_NE_NODE_ADDRESS_TYPE Hosting NE type.

BNS_14-0_HOSTING_NE_NODE_WEIGHT Hosting NE weight.

BNS_14-0_HOSTING_NE_NODE_TRANSPORT Transport Type.

BNS_14-0_HOSTING_NE_NODE_DESCRIPTION Hosting NE description.

BNS_14-0_HOSTING_NE_NODE_DEFAULT_NODE Flag to indicate whether the hosting NE node is the default one or not

A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODES

Queries all the existing hosting network element nodes defined in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryHostingNeNodes

Table 135: A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="getHostingNeNodes"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_HOSTING_NE_NODES[n].HOSTING_NE_NAME Hosting NE name.

BNS_14-0_HOSTING_NE_NODES[n].NODE_ID Hosting NE node id.

BNS_14-0_HOSTING_NE_NODE_HOSTING_NE_VERSION Hosting NE version.

BNS_14-0_HOSTING_NE_NODE_PATCH_LEVEL Patch level.

BNS_14-0_HOSTING_NE_NODE_MIN_PATCH_LEVEL Minimum patch level.

BNS_14-0_HOSTING_NE_NODES[n].ADDRESS Hosting NE address.

BNS_14-0_HOSTING_NE_NODES[n].COST Hosting NE Cost.

BNS_14-0_HOSTING_NE_NODES[n].PORT_VALUE Hosting NE port.

BNS_14-0_HOSTING_NE_NODES[n].ADDRESS_TYPE Hosting NE type.

BNS_14-0_HOSTING_NE_NODES[n].WEIGHT Hosting NE weight.

BNS_14-0_HOSTING_NE_NODES[n].TRANSPORT Transport Type.

BNS_14-0_HOSTING_NE_NODES[n].DESCRIPTION Hosting NE description.

BNS_14-0_HOSTING_NE_NODES[n].DEFAULT_NODE Flag to indicate whether the hosting NE node is the default one or not.

A_BROADSOFT-BNS_14-0_QRY_HOSTING-NES

Queries the properties of all existing hosting network elements defined in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryHostingNes

Table 136: A_BROADSOFT-BNS_14-0_QRY_HOSTING-NES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getHostingNes"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_HOSTING_NE_COUNTRY_CODE Country code.

BNS_14-0_HOSTING_NE_DEF_ROUTING_ENTERPRISE Default routing enterprise.

BNS_14-0_HOSTING_NE_DEF_ROUTING_SITE Default routing site.

BNS_14-0_HOSTING_NE_DEF_SYNCH_ENTERPRISE Default synch enterprise.

BNS_14-0_HOSTING_NE_DEF_SYNCH_SITE Default synch site.

BNS_14-0_HOSTING_NE_HOSTING_NE_NAME Hosting network element name.

BNS_14-0_HOSTING_NE_POLL_REQUIRED Flag to indicate whether the network element supports polling.

BNS_14-0_HOSTING_NE_PROFILE_NAME Profile name.

BNS_14-0_HOSTING_NE_STATE State of the hosting network element.

BNS_14-0_HOSTING_NE_E164_SUPPORT Flag to indicate whether the network element supports E164 operations.

BNS_14-0_HOSTING_NE_CALL_TYPE_INFO_REQUIRED Flag to indicate whether the call type info being required by the hosting element or not.

BNS_14-0_HOSTING_NE_PHONE_CONTEXT_SUPPORT Flag to indicate whether the phone context is supported or not.

BNS_14-0_HOSTING_NE_FORKING_SUPPORT Flag to indicate whether the forking is supported or not.

BNS_14-0_HOSTING_NE_SOURCE_ID_SUPPORT Flag to indicate whether the source id is supported or not.

BNS_14-0_HOSTING_NE_HOSTING_NE_TYPE Hosting network element type.

A_BROADSOFT-BNS_14-0_QRY_LCA-IDS

Queries all the local calling areas(LCAs) currently defined on the network server.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryLcaIds

Table 137: A_BROADSOFT-BNS_14-0_QRY_LCA-IDS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getLocalCallingAreas"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_LCA_IDS[n] Local Calling Areas ids

A_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE

Queries the attributes for a private policy instance assigned to an enterprise.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryPrivatePolicyInstance

Table 138: A_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
POLICY_NAME	Existing routing policy name.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType=" getPrivatePolicyInstance"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.PrivatePolicyInstanceData
enterprise=[ENTERPRISE]
name=[POLICY_NAME]
</com.broadsoft.protocols.nsooss.PrivatePolicyInstanceData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_PRIVATE_POLICY_INSTANCE_ENTERPRISE Enterprise name.

BNS_14-0_PRIVATE_POLICY_INSTANCE_POLICY_NAME Policy name.

BNS_14-0_PRIVATE_POLICY_INSTANCE_ENABLED Flag to indicate whether the routing policy instance is assigned and enabled.

A_BROADSOFT-BNS_14-0_QRY_RESOURCE-NE-ADDRS

Queries all the addresses for a resource network element specified.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryResourceNeAddress

Table 139: A_BROADSOFT-BNS_14-0_QRY_RESOURCE-NE-ADDRS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
RESOURCE_NE_NAME	Resource network element name.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getResourceNeAddrs"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.ResourceNeData
name="[RESOURCE_NE_NAME]">
</com.broadsoft.protocols.nsoss.ResourceNeData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_RESOURCE_NE_ADDR_NAME NE address name.

BNS_14-0_RESOURCE_NE_ADDR_DEFAULT Flag indicating whether the NE address is the default one or not.

BNS_14-0_RESOURCE_NE_ADDR_DEFAULT_COST Default cost value.

BNS_14-0_RESOURCE_NE_ADDR_DEFAULT_WEIGHT Default weight value.

BNS_14-0_RESOURCE_NE_ADDR_LOCATION_CODE Location code value.

BNS_14-0_RESOURCE_NE_ADDR_POLL_REQUIRED Flag to indicate whether the resource network element supports polling or not.

BNS_14-0_RESOURCE_NE_ADDR_SERVICE Services supported (comma separated list).

BNS_14-0_RESOURCE_NE_ADDR_STATE Resource network element state.

BNS_14-0_RESOURCE_NE_ADDR_STATIC_COST Static cost value.

BNS_14-0_RESOURCE_NE_ADDR_STATIC_WEIGHT Static weight value.

BNS_14-0_RESOURCE_NE_ADDR_RESOURCE_NE_TYPE Resource network element type.

BNS_14-0_RESOURCE_NE_ADDR_ADDRESS_LIST[n].NE_NAME Resource network element.

BNS_14-0_RESOURCE_NE_ADDR_ADDRESS_LIST[n].ADDRESS Resource network element address.

BNS_14-0_RESOURCE_NE_ADDR_ADDRESS_LIST[n].COST Cost value.

BNS_14-0_RESOURCE_NE_ADDR_ADDRESS_LIST[n].PORT_VALUE Port value.

BNS_14-0_RESOURCE_NE_ADDR_ADDRESS_LIST[n].WEIGHT Weight value.

BNS_14-0_RESOURCE_NE_ADDRS_ADDRESS_LIST[n].TRANSPORT Transport type.

A_BROADSOFT-BNS_14-0_QRY_RESOURCE-NES

Queries all the resource network elements currently provisioned in the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryResourceNes

Table 140: A_BROADSOFT-BNS_14-0_QRY_RESOURCE-NES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getResourceNes"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_RESOURCE_NES[n].RESOURCE_NE_NAME NE name.

BNS_14-0_RESOURCE_NES[n].DEFAULT Flag indicating whether the NE address is the default one or not.

BNS_14-0_RESOURCE_NES[n].DEFAULT_COST Default cost value.

BNS_14-0_RESOURCE_NES[n].DEFAULT_WEIGHT Default weight value.

BNS_14-0_RESOURCE_NES[n].LOCATION_CODE Location code value.

BNS_14-0_RESOURCE_NES[n].POLL_REQUIRED Flag to indicate whether the resource network element supports polling or not.

BNS_14-0_RESOURCE_NES[n].SERVICE Services supported (comma separated list).

BNS_14-0_RESOURCE_NES[n].STATE Resource network element state.

BNS_14-0_RESOURCE_NES[n].STATIC_COST Static cost value.

BNS_14-0_RESOURCE_NES[n].STATIC_WEIGHT Static weight value.

BNS_14-0_RESOURCE_NES[n].RESOURCE_NE_TYPE Resource network element type.

BNS_14-0_RESOURCE_NES_ADDRESS_LIST[n].RESOURCE_NE_NAME NE name.

BNS_14-0_RESOURCE_NES_ADDRESS_LIST[n].ADDRESS Resource network element address.

BNS_14-0_RESOURCE_NES_ADDRESS_LIST[n].COST Cost value.

BNS_14-0_RESOURCE_NES_ADDRESS_LIST[n].PORT_VALUE Port value.

BNS_14-0_RESOURCE_NES_ADDRESS_LIST[n].WEIGHT Weight value.

BNS_14-0_RESOURCE_NES_ADDRESS_LIST[n].TRANSPORT Transport type.

A_BROADSOFT-BNS_14-0_QRY_SERVICE-PROVIDER-PROFILES

Queries all the public routing profiles currently defined on the network server.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.qryServiceProviderProfiles

Table 141: A_BROADSOFT-BNS_14-0_QRY_SERVICE-PROVIDER-PROFILES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getAllServiceProviderProfiles"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_SERVICE_PROVIDER_PROFILES[n] Profile Names

A_BROADSOFT-BNS_14-0_QRY_SITE

Queries the information about an existing enterprise site.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qrySite

Table 142: A_BROADSOFT-BNS_14-0_QRY_SITE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.			S	R
SITE_NAME	Name of the site to be queried.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoas.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoas.Command
commandType="getSite"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
```

```

<com.broadsoft.protocols.nsoss.SiteData
enterprise="[ENTERPRISE]"
name="[SITE_NAME]"
</com.broadsoft.protocols.nsoss.SiteData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

ENTERPRISE(C), Enterprise name.

ENTERPRISE(I), Enterprise name.

OLD_ENTERPRISE(G), Enterprise name.

OLD_ENTERPRISE(C), Enterprise name.

OLD_ENTERPRISE(R), Enterprise name.

SITE_NAME(C), Site name

SITE_NAME(I), Site name

OLD_SITE_NAME(G), Site name

OLD_SITE_NAME(C), Site name

OLD_SITE_NAME(R), Site name

DESCRIPTION(C), Description

DESCRIPTION(I), Description
 OLD_DESCRIPTION(G), Description
 OLD_DESCRIPTION(C), Description
 OLD_DESCRIPTION(R), Description
 PROFILE_NAME(C), Profile name
 PROFILE_NAME(I), Profile name
 OLD_PROFILE_NAME(G), Profile name
 OLD_PROFILE_NAME(C), Profile name
 OLD_PROFILE_NAME(R), Profile name
 SOURCE_ID(C), Source id value.
 SOURCE_ID(I), Source id value.
 OLD_SOURCE_ID(G), Source id value.
 OLD_SOURCE_ID(C), Source id value.
 OLD_SOURCE_ID(R), Source id value.

A_BROADSOFT-BNS_14-0_QRY_SITES

Queries the information about all existing enterprise sites.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qrySites

Table 143: A_BROADSOFT-BNS_14-0_QRY_SITES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
```

```

<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getSites"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_SITES[n].SITE_NAME Site name.

BNS_14-0_SITES[n].DESCRIPTION Site description.

BNS_14-0_SITES[n].ENTERPRISE Enterprise name.

BNS_14-0_SITES[n].PROFILE_NAME Profile name.

BNS_14-0_SITES[n].SOURCE_ID Source id value.

A_BROADSOFT-BNS_14-0_QRY_TREATMENTS

Queries all the existing treatments.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.qryTreatments

Table 144: A_BROADSOFT-BNS_14-0_QRY_TREATMENTS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getTreatments"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_TREATMENTS[n] Treatment IDs.

A_BROADSOFT-BNS_14-0_QRY_UNASSIGNED-DNS

Queries all the unassigned DNS (including the DN ranges) from the system.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryUnassignedDns

Table 145: A_BROADSOFT-BNS_14-0_QRY_UNASSIGNED-DNS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getUnassignedNumber"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_UNASSIGNED_DN_LIST[n].DN Directory numbers.

BNS_14-0_UNASSIGNED_DN_RANGE_LIST[n].FROM_DN From directory number for the DN range.

BNS_14-0_UNASSIGNED_DN_RANGE_LIST[n].TO_DN To directory number for the DN range.

A_BROADSOFT-BNS_14-0_QRY_USER-GROUP

Queries the information about an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryUserGroup

Table 146: A_BROADSOFT-BNS_14-0_QRY_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 146: A_BROADSOFT-BNS_14-0_QRY_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getUserGroup"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

ENTERPRISE(C), Enterprise

ENTERPRISE(I), Enterprise

OLD_ENTERPRISE(G), value Enterprise

OLD_ENTERPRISE(C), value Enterprise

OLD_ENTERPRISE(R), value Enterprise

USER_GROUP_ID(C), value UserGroupId

USER_GROUP_ID(I), value UserGroupId

OLD_USER_GROUP_ID(G), value UserGroupId

OLD_USER_GROUP_ID(C), value UserGroupId

OLD_USER_GROUP_ID(R), value UserGroupId

USER_GROUP_NAME(C), value UserGroupName

USER_GROUP_NAME(I), value UserGroupName

OLD_USER_GROUP_NAME(G), value UserGroupName

OLD_USER_GROUP_NAME(C), value UserGroupName

OLD_USER_GROUP_NAME(R), value UserGroupName

HOSTING_NE_NAME(C), value HostingNeName

HOSTING_NE_NAME(I), value HostingNeName

OLD_HOSTING_NE_NAME(G), value HostingNeName

OLD_HOSTING_NE_NAME(C), value HostingNeName

OLD_HOSTING_NE_NAME(R), value HostingNeName

INTER_LATA_CARRIER(C), value LataCarrier

INTER_LATA_CARRIER(I), value LataCarrier

OLD_INTER_LATA_CARRIER(G), value LataCarrier

OLD_INTER_LATA_CARRIER(C), value LataCarrier

OLD_INTER_LATA_CARRIER(R), value LataCarrier

INTERNATIONAL_CARRIER(C), value InternaCarrier

INTERNATIONAL_CARRIER(I), value InternaCarrier

OLD_INTERNATIONAL_CARRIER(G), value InternaCarrier
OLD_INTERNATIONAL_CARRIER(C), value InternaCarrier
OLD_INTERNATIONAL_CARRIER(R), value InternaCarrier
INTRA_LATA_CARRIER(C), value loopbackIntraLataCarrier
INTRA_LATA_CARRIER(I), value loopbackIntraLataCarrier
OLD_INTRA_LATA_CARRIER(G), value IntraLataCarrier
OLD_INTRA_LATA_CARRIER(C), value IntraLataCarrier
OLD_INTRA_LATA_CARRIER(R), value IntraLataCarrier
PROFILE_NAME(C), value ProfileName
PROFILE_NAME(I), value ProfileName
OLD_PROFILE_NAME(G), value ProfileName
OLD_PROFILE_NAME(C), value ProfileName
OLD_PROFILE_NAME(R), value ProfileName
LCA_ID(C), value LcaId
LCA_ID(I), value LcaId
OLD_LCA_ID(G), value LcaId
OLD_LCA_ID(C), value LcaId
OLD_LCA_ID(R), value LcaId
SOURCE_ID(C), value SourceId
SOURCE_ID(I), value SourceId
OLD_SOURCE_ID(G), value SourceId
OLD_SOURCE_ID(C), value SourceId
OLD_SOURCE_ID(R), value SourceId

A_BROADSOFT-BNS_14-0_QRY_USER-GROUPS

Queries the information about all the existing user groups.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.qryUserGroups

Table 147: A_BROADSOFT-BNS_14-0_QRY_USER-GROUPS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="getUserGroups"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
</com.broadsoft.protocols.nsoss.Command>
<com.broadsoft.protocols.nsoss.Command
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_USER_GROUP_ENTERPRISE Enterprise name.

BNS_14-0_USER_GROUP_USER_GROUP_ID Group id.

BNS_14-0_USER_GROUP_USER_GROUP_NAME Group name.

BNS_14-0_USER_GROUP_HOSTING_NE_NAME Hosting network element name.

BNS_14-0_USER_GROUP_INTER_LATA_CARRIER Inter LATA carrier Id.

BNS_14-0_USER_GROUP_INTRA_LATA_CARRIER Intra LATA carrier id.

BNS_14-0_USER_GROUP_INTERNATIONAL_CARRIER International carrier id.

BNS_14-0_USER_GROUP_PROFILE_NAME Profile name.

BNS_14-0_USER_GROUP_LCA_ID Local Calling Area Id.

BNS_14-0_USER_GROUP_SOURCE_ID Source Id.

BNS_14-0_USER_GROUP_DN_LIST[n].GROUP_ID Group Id.

BNS_14-0_USER_GROUP_DN_LIST[n].DN Directory number.

BNS_14-0_USER_GROUP_DN_LIST[n].SITE_NAME Site name.

BNS_14-0_USER_GROUP_DN_RANGE_LIST[n].GROUP_ID Group Id.

BNS_14-0_USER_GROUP_DN_RANGE_LIST[n].FROM_DN From DN.

BNS_14-0_USER_GROUP_DN_RANGE_LIST[n].TO_DN To DN.

BNS_14-0_USER_GROUP_DN_RANGE_LIST[n].SITE_NAME Site name.

BNS_14-0_USER_GROUP_URL_LIST[n].GROUP_ID Group Id.

BNS_14-0_USER_GROUP_URL_LIST[n].URL Directory number.

BNS_14-0_USER_GROUP_URL_LIST[n].SITE_NAME Site name.

A_BROADSOFT-BNS_14-0_QRY_VOICE-VPN-ROUTING-DATA

Queries the enterprise policy instance data entries of policy type voice VPN.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryVoiceVpnRoutingData

Table 148: A_BROADSOFT-BNS_14-0_QRY_VOICE-VPN-ROUTING-DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon .		S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType=" getPrivatePolicyInstanceDataEntry"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData
enterprise="[ENTERPRISE]">
</com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNRoutingData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```


Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_VOICE_VPN_ROUTING_DATA[n].ENTERPRISE Enterprise name.

BNS_14-0_VOICE_VPN_ROUTING_DATA[n].DESCRIPTION Description.

BNS_14-0_VOICE_VPN_ROUTING_DATA[n].EXTENSION_MAX The maximum extension from 0 to 100.

BNS_14-0_VOICE_VPN_ROUTING_DATA[n].EXTENSION_MIN The minimum extension from 0 to 100.

BNS_14-0_VOICE_VPN_ROUTING_DATA[n].GROUP_ID Group id.

BNS_14-0_VOICE_VPN_ROUTING_DATA[n].HOSTING_NE_NAME Hosting network element name.

BNS_14-0_VOICE_VPN_ROUTING_DATA[n].LOCATION_CODE It identifies the location code of a user group in an enterprise.

BNS_14-0_VOICE_VPN_ROUTING_DATA[n].OUT_DM The value between 0 to 88.

BNS_14-0_VOICE_VPN_ROUTING_DATA[n].SELECTOR Selector value

A_BROADSOFT-BNS_14-0_QRY_VOICE-VPN-ROUTING-PROPERTIES-DATA

Queries the enterprise policy data property entries of policy type voice VPN.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.qryVoiceVpnRoutingPropertiesData

Table 149: A_BROADSOFT-BNS_14-0_QRY_VOICE-VPN-ROUTING-PROPERTIES-DATA

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType=" getPrivatePolicyPropertiesDataEntry"
transactionId="1"
loginId="[USER]"
elementStartIndex="[ELEMENT_START_INDEX]"
numberOfElements="[NUMBER_OF_ELEMENTS]">
<commandDataArray>
<com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData
>
</
com.broadsoft.routingserver.policies.privatedialplan.VoiceVPNPropertiesData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

BNS_14-0_VOICE_VPN_ROUTING_PROPERTIES_DATA[n].TREATMENT_ID
Treatment id.

BNS_14-0_VOICE_VPN_ROUTING_PROPERTIES_DATA[n].DESCRIPTION
Description.

A_BROADSOFT-BNS_14-0_UNASSIGN_DN

Unassigns a directory number from an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.unassignDn

Table 150: A_BROADSOFT-BNS_14-0_UNASSIGN_DN

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
DN	DN to be unassigned.			S	R

Table 150: A_BROADSOFT-BNS_14-0_UNASSIGN_DN

Parameter Name	Description	Range	Default Value	Type	Class
SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="unassignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]"
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_USER_GROUP_ID(G), value User group Id

OLD_USER_GROUP_ID(C), value User group Id

OLD_USER_GROUP_ID(R), value User group Id

OLD_HOSTING_NE_NAME(G), value Hosting Ne name

OLD_HOSTING_NE_NAME(C), value Hosting Ne name

OLD_HOSTING_NE_NAME(R), value Hosting Ne name

OLD_DN(G), value DN

OLD_DN(C), value DN

OLD_DN(R), value DN

OLD_SITE_NAME(G), value Sitename

OLD_SITE_NAME(C), value Sitename

OLD_SITE_NAME(R), value Sitename

A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGE

Unassigns a directory number range from an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignDnRange

Table 151: A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 151: A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O
FROM_DN	Start of the DN range.			S	R
TO_DN	End of the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="unassignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
```

</com.broadsoft.protocols.nso.s.BroadsoftDocument>

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return parameters

OLD_USER_GROUP_ID(G), value User Group

OLD_USER_GROUP_ID(C), value User Group

OLD_USER_GROUP_ID(R), value User Group

OLD_HOSTING_NE_NAME(G), value Hosting Ne Name

OLD_HOSTING_NE_NAME(C), value Hosting Ne Name

OLD_HOSTING_NE_NAME(R), value Hosting Ne Name

OLD_FROM_DN(G), DN

OLD_FROM_DN(C), DN

OLD_FROM_DN(R), DN

OLD_TO_DN(G), DN

OLD_TO_DN(C), DN

OLD_TO_DN(R), DN

OLD_SITE_NAME(G), value sitename

OLD_SITE_NAME(C), value sitename

OLD_SITE_NAME(R), value sitename

A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGE-RB

Rollback feature for the Assign DN Range service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignDnRangeRB

Table 152: A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGE-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_FROM_DN	Start of the DN range.			S	R
OLD_TO_DN	End of the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="unassignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
```



```

toDn="[TO_DN]">
</com.broadsoft.protocols.nsooss.DnRangeData>
</dnRangeArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGES

Unassigns one or more directory number ranges from an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignDnRange

Table 153: A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGES

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 153: A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGES

Parameter Name	Description	Range	Default Value	Type	Class
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SITE_NAME[++]	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	I
FROM_DN[++]	Start of the DN range.			I	M
TO_DN[++]	End of the DN range.			I	M

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="unassignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dNRangeArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
```

</com.broadsoft.protocols.nso.s.BroadsoftDocument>

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_USER_GROUP_ID(G), User group id.

OLD_USER_GROUP_ID(C), User group id.

OLD_USER_GROUP_ID(R), User group id.

OLD_HOSTING_NE_NAME(G), Hosting network element name provisioned in the system.

OLD_HOSTING_NE_NAME(C), Hosting network element name provisioned in the system.

OLD_HOSTING_NE_NAME(R), Hosting network element name provisioned in the system.

OLD_FROMDN(G), Start of the DN range.

OLD_FROMDN(c), Start of the DN range.

OLD_FROMDN(R), Start of the DN range.

OLD_DN(G), List of DNs to be unassigned.

OLD_DN(C), List of DNs to be unassigned.

OLD_DN(R), List of DNs to be unassigned.

OLD_SITE_NAME(G), Site to be assigned for the DN.

OLD_SITE_NAME(C), Site to be assigned for the DN.

OLD_SITE_NAME(R), Site to be assigned for the DN.

A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGES-RB

Rollback feature for the Assign DN Ranges service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignDnRangeRB

Table 154: A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGES-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_FROM_DN	Start of the DN range.			S	R
OLD_TO_DN	End of the DN range.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="unassignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNRangeArray>
<com.broadsoft.protocols.nsoss.DnRangeData
fromDn="[FROM_DN]"
```

```

toDn="[TO_DN]">
</com.broadsoft.protocols.nsoss.DnRangeData>
</dnRangeArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RB

Rollback feature for the Assign DN service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0_prov.BroadWorksProvisioning.unassignDnRB

Table 155: A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 155: A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_DN	DNs to be unassigned.			S	R

MML Commands

```

<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="unassignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNArray>
<com.broadsoft.protocols.nsooss.DnData
dn="[DN]"
</com.broadsoft.protocols.nsooss.DnData>
</dNArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>

```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_UNASSIGN_DNS

Unassigns one or more directory numbers from an existing user group.

It is implemented by the Java method:

`com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignDn`

Table 156: A_BROADSOFT-BNS_14-0_UNASSIGN_DNS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
DN[++]	List of DNs to be unassigned.			I	M

Table 156: A_BROADSOFT-BNS_14-0_UNASSIGN_DNS

Parameter Name	Description	Range	Default Value	Type	Class
SITE_NAME[++]	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	I

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="unassignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNArray>
<com.broadsoft.protocols.nsoss.DnData
dn="[DN]"
</com.broadsoft.protocols.nsoss.DnData>
</dNArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_USER_GROUP_ID(G), User group id.

OLD_USER_GROUP_ID(C), User group id.

OLD_USER_GROUP_ID(R), User group id.

OLD_HOSTING_NE_NAME(G), Hosting network element name provisioned in the system.

OLD_HOSTING_NE_NAME(C), Hosting network element name provisioned in the system.

OLD_HOSTING_NE_NAME(R), Hosting network element name provisioned in the system.

OLD_DN(G), List of DNs to be unassigned.

OLD_DN(C), List of DNs to be unassigned.

OLD_DN(R), List of DNs to be unassigned.

OLD_SITE_NAME(G), Site to be assigned for the DN.

OLD_SITE_NAME(C), Site to be assigned for the DN.

OLD_SITE_NAME(R), Site to be assigned for the DN.

A_BROADSOFT-BNS_14-0_UNASSIGN_DNS-RB

Rollback feature for the Assign DNS service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignDnRB

Table 157: A_BROADSOFT-BNS_14-0_UNASSIGN_DNS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 157: A_BROADSOFT-BNS_14-0_UNASSIGN_DNS-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_USER_GROUP_ID	User group ID.			S	R
OLD_DN	List of DNs to be unassigned.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="unassignAddresses"
transactionId="1"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<dNArray>
<com.broadsoft.protocols.nsooss.DnData
dn="[DN]"
</com.broadsoft.protocols.nsooss.DnData>
</dNArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_UNASSIGN_URL

Unassigns an URL from an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignUrl

Table 158: A_BROADSOFT-BNS_14-0_UNASSIGN_URL

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	O
URL	URL to be unassigned.			S	R

Table 158: A_BROADSOFT-BNS_14-0_UNASSIGN_URL

Parameter Name	Description	Range	Default Value	Type	Class
LOGIN_ID_IND	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			S	O

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="unassignAddresses"
transactionId="2"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<urlArray>
<com.broadsoft.protocols.nsoss.UrlData
url="[URL]">
</com.broadsoft.protocols.nsoss.UrlData>
</urlArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_USER_GROUP_ID(G), value user Group Id

OLD_USER_GROUP_ID(C), value user Group Id

OLD_USER_GROUP_ID(R), value user Group Id

OLD_HOSTING_NE_NAME(G), value Hosting Ne Name

OLD_HOSTING_NE_NAME(C), value Hosting Ne Name

OLD_HOSTING_NE_NAME(R), value Hosting Ne Name

OLD_URL(G), URL

OLD_URL(C), URL

OLD_URL(R), URL

OLD_SITE_NAME(G), value SITENAME

OLD_SITE_NAME(C), value SITENAME

OLD_SITE_NAME(R), value SITENAME

OLD_LOGIN_ID_IND(G), value Login Id

OLD_LOGIN_ID_IND(C), value Login Id

OLD_LOGIN_ID_IND(R), value Login Id

A_BROADSOFT-BNS_14-0_UNASSIGN_URL-RB

Rollback feature for the Assign URL service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignUrlRB

Table 159: A_BROADSOFT-BNS_14-0_UNASSIGN_URL-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_URL	URLs to be unassigned.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="unassignAddresses"
transactionId="2"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<urlArray>
<com.broadsoft.protocols.nsoss.UrlData
url="[URL]">
</com.broadsoft.protocols.nsoss.UrlData>
</urlArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

A_BROADSOFT-BNS_14-0_UNASSIGN_URLS

Unassigns one or more URLs from an existing user group.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignUrl

Table 160: A_BROADSOFT-BNS_14-0_UNASSIGN_URLS

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.			S	R
USER_GROUP_ID	User group ID.			S	R
URL[++]	List of URLs to be unassigned.			I	M
SITE_NAME[++]	Site to be assigned for the DN.			I	I

Table 160: A_BROADSOFT-BNS_14-0_UNASSIGN_URLS

Parameter Name	Description	Range	Default Value	Type	Class
LOGIN_ID_IND[++]	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			I	I

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsoss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsoss.Command
commandType="unassignAddresses"
transactionId="2"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsoss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<urlArray>
<com.broadsoft.protocols.nsoss.UrlData
url="[URL]">
</com.broadsoft.protocols.nsoss.UrlData>
</urlArray>
</com.broadsoft.protocols.nsoss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsoss.Command>
</commandArray>
</com.broadsoft.protocols.nsoss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

Return Parameters

OLD_USER_GROUP_ID(G), User group id.

OLD_USER_GROUP_ID(C), User group id.

OLD_USER_GROUP_ID(R), User group id.

OLD_HOSTING_NE_NAME(G), Hosting network element name provisioned in the system.

OLD_HOSTING_NE_NAME(C), Hosting network element name provisioned in the system.

OLD_HOSTING_NE_NAME(R), Hosting network element name provisioned in the system.

OLD_DN(G), List of DNs to be unassigned.

OLD_DN(C), List of DNs to be unassigned.

OLD_DN(R), List of DNs to be unassigned.

A_BROADSOFT-BNS_14-0_UNASSIGN_URLS-RB

Rollback feature for the Assign URLs service.

It is implemented by the Java method:

com.metasolv.cartridge.oss.bns_14_0.prov.BroadWorksProvisioning.unassignUrlRB

Table 161: A_BROADSOFT-BNS_14-0_UNASSIGN_URLS-RB

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	The NE logical ID.			S	R
OLD_HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 161: A_BROADSOFT-BNS_14-0_UNASSIGN_URLS-RB

Parameter Name	Description	Range	Default Value	Type	Class
OLD_USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
OLD_URL	List of URLs to be unassigned.			S	R

MML Commands

```
<?xml version="1.0" encoding="UTF-8"?>
<com.broadsoft.protocols.nsooss.BroadsoftDocument protocol="NSOSS"
version="[VERSION]">
<commandArray>
<com.broadsoft.protocols.nsooss.Command
commandType="unassignAddresses"
transactionId="2"
loginId="[USER]">
<commandDataArray>
<com.broadsoft.protocols.nsooss.UserGroupData
groupID="[USER_GROUP_ID]"
hostingNE="[HOSTING_NE_NAME]">
<uRLArray>
<com.broadsoft.protocols.nsooss.UrlData
url="[URL]">
</com.broadsoft.protocols.nsooss.UrlData>
</uRLArray>
</com.broadsoft.protocols.nsooss.UserGroupData>
</commandDataArray>
</com.broadsoft.protocols.nsooss.Command>
</commandArray>
</com.broadsoft.protocols.nsooss.BroadsoftDocument>
```

Output Parameters

Return as CSDL and INFO parameter(s):

Success case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

Failure Case:

<ASDL_CMD>_UDET = <User Defined Exit Type>

<ASDL_CMD>_RETURN_INFO = <NE Response>

<ASDL_CMD>_ERROR_CODE = <Error Code>

<ASDL_CMD>_ERROR_TEXT = <Error Text>

If the action is not successful, the BNS_ERROR_CODE and BNS_ERROR_TEXT are returned as CSDL parameter. Otherwise, the response is parsed and appropriate parameters specified in the respective section are returned as information parameter and CSDL parameter.

User exit types

User exit types allow cartridge developers and systems administrators to map ASDL exit codes to one of the predefined base exit types. Base exit types determine the product behavior. Cartridges map return codes and status values from a network element to a user defined exit type.

Regular expressions (regex) are used to perform pattern searches on responses from network elements. The pattern is stored in "tbl_user_err" in the SARM database. The user exit type contains a regex pattern that is applied at runtime.

Regular expressions enable users to associate a series of responses to a specific base type. For example, a regular expression "6" can identify a pattern where any response with the character "6" followed by any number of characters will translate to base type of FAIL.

Regular expressions can also allow very specific searches within a response from a network element. Regular expressions are typically compiled before being executed. Compilation produces a binary version of the expression and ensures that the syntax of the regular expression is correct. This compilation occurs using SACT\SADT when user exit types are deployed into ASAP. If the syntax is deemed to be incorrect during compilation, SADT displays an error message and the deployment of the user exit type will fail.

For more information on pattern matching, refer to the *ASAP Developer Reference* and the *ASAP Administration Guide*.

Understanding user exit type XML files

```

...
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>DYNAMIC_SL</softwareLoad>
    <technology>DYNAMIC_VENDOR-DYNAMIC_TECH</technology>
  </neDescriptor>
  <searchPattern>SUCCESS.</searchPattern>1
  <userType>U_SUCCEED</userType>2
  <baseType>SUCCEED</baseType>3

```

```
<description>The ASDL provisioning was successful</description>
</userDefinedExitType>
<userDefinedExitType>
  <searchPattern>90.</searchPattern>
  <userType>U_FAIL</userType>
  <baseType>FAIL</baseType>
  <description>The ASDL failed - fail the current order
    and stop processing.</description>
</userDefinedExitType>
<userDefinedExitType>
  <searchPattern>101-110[201-215]</searchPattern>1
  <userType>U_SOFT_FAIL</userType>
  <baseType>SOFT_FAIL</baseType>
  <description>The ASDL has encountered a soft failure. Processing will
    continue.</description>
</userDefinedExitType>
<userDefinedExitType>
  <searchPattern>801-850</searchPattern>2
  <userType>U_MINOR_ERROR</userType>
  <baseType>SOFT_FAIL</baseType>
  <description>The ASDL has encountered a soft failure. Processing will
    continue.</description>
</userDefinedExitType>
<userDefinedExitType>
  <searchPattern>251-275&&[^261-265]</searchPattern>3
  <userType>U_DELAYED_FAIL</userType>
  <baseType>DELAYED_FAIL</baseType>
  <description>The ASDL has failed during provisioning.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>BCS36</softwareLoad>
    <technology>NORTEL_DMS</technology>
    <neVendor>Nortel</neVendor>
  </neDescriptor>
  <searchPattern>*.</searchPattern>
```

-
1. Pattern searches accommodate situations in which responses from the device contain small variants that represent the same meaning. The user type contains an associated search pattern that is applied at runtime. Using regular expressions, you can default a series of responses. For example a regular expression "90." can specify a pattern where any response with the character "90" followed by any character will translate to base type of FAIL. If the regular expression is defined as "90*", then any response with the character "90" followed by any number of characters will translate to base type of FAIL
 2. The user type that the search pattern maps to.
 3. The base type that maps to the user type.
 1. 101 to 110 and 201 to 215 will translate to a base type of SOFT_FAIL
 2. 801-850 will translate to a base type of SOFT_FAIL. Note that the user type differs from the previous range.
 3. 251 to 275 but not 261 to 265 will translate to a base type of DELAYED_FAILURE.

```

<userType>U_MAINTAIN</userType>
<baseType>MAINTENANCE</baseType>
<description>The ASDL will Wait until the NE comes out of
Maintenance Mode</description>
</userDefinedExitType>

```

The previous code sample shows some typical search pattern examples. Some additional examples follow:

- ◆ `^.*\b(one|two|three)\b.*$` = matches a complete line of text that contains any of the words "one", "two" or "three"
- ◆ `^(?=.*?\bone\b)(?=.*?\btwo\b)(?=.*?\bthree\b).*$` matches a complete line of text that contains all of the words "one", "two" and "three"
- ◆ `"[^\"r\n]"` matches a single-line string that does not allow the quote character to appear inside the string.
- ◆ `\b\d{1,3}\.\d{1,3}\.\d{1,3}\.\d{1,3}\b` matches any IP address.

For more information on search patterns, refer to <http://java.sun.com/j2se/1.4.2/docs/api/java/util/regex/Pattern.html>.

For more information on user exit types, refer to chapter 3 of the *ASAP Developer Reference*.

User defined ASDL exit types

The following table lists the user defined ASDL exit types.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
Success	BNS_SUCCESS	SUCCEED	All are Ok.
Fail	BNS_FAIL	FAIL	Unexpected exception.
Instance already exists.*	BNS_ENTITY_EXIST	FAIL	The Instance already exists.
Unknown enterprise.*	BNS_UNKNOWN_ENTER	FAIL	Unknown enterprise.
10944	BNS_PROFIL_NOT_EXIST	FAIL	Profile does not exist.
10932	BNS_INS_NOT_EXIST	FAIL	ENTERPRISE instance does not exist for Enterprise NAME.
10933	BNS_INSTANCE_EXIST	FAIL	Instance already exists for enterprise.
10600	BNS_CODE_NOT_EXIST	FAIL	Country Code does not exist.
10505	BNS_HOSTING_NE_EXIST	FAIL	Hosting NE Name already exists

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10500	BNS_HOSTNE_NOT_EXIST	FAIL	Hosting NE name does not exist.
10801	BNS_SITE_NOT_EXIST	FAIL	Site name does not exist in enterprise.
10520	BNS_NE_TYPE_INVALID	FAIL	Invalid Hosting NE type.
10904	BNS_LCA_ID_NOT_EXIST	FAIL	LCA ID does not exist.
10405	BNS_CARRIER_NOT_EXIS	FAIL	Carrier does not exist.
10150	BNS_ENTERP_NOT_EXIST	FAIL	Enterprise does not exist.
((?s).*ProvCartridgeException(?s).)*	BNS_PROV_CART_EXCEPT	FAIL	ProvCartridgeException.
NO_MATCH_FOUND	BNS_NO_UDET_MATCH	FAIL	No match found.
0	BNS_REQ_SUCCESS	SUCCEED	Request successful.
10511	BNS_NE_NODE_NOT_EXIS	FAIL	Hosting NE node does not exist.
10510	BNS_NE_NODE_EXISTS	FAIL	Hosting NE node already exists.
10515	BNS_ADDR_ASS_ALREADY	FAIL	This address is already assigned to this hosting NE node.
10057	BNS_PORT_OUT_OF_RANG	FAIL	Port is out of range.
10052	BNS_WEIG_OUT_OF_RANG	FAIL	Weight is out of range.
11504	BNS_NE_ALREADY_AUTHO	FAIL	This hosting NE is already authorized for this enterprise.
Unknown policy	BNS_UNKNOWN_POLICY	FAIL	Unknown policy.
10051	BNS_COST_OUT_RANGE	FAIL	Cost is out of range.
10517	BNS_ADDRES_NOT_EXIST	FAIL	This address does not exist for this hosting NE node.
10514	BNS_NOT_SET_DEFAULT	FAIL	Cannot set default flag to false.
Unknown exception	BNS_UNKNOWN_EXCEPTIO	FAIL	Unknown exception type on table.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
Field -name- should start with a letter or digit	BNS_FIELD_NAME_START	FAIL	Field name should start with a letter or digit.
10509	BNS_ADDR_TYP_UNKNOWN	FAIL	Unknown address type.
14003	BNS_AUTH_NE_EXISTS	FAIL	Authorized hosting NE already exists.
This treatment already exists	BNS_TREATMENT_EXISTS	FAIL	This treatment already exists.
Call type already exists	BNS_CALL_TYPE_EXISTS	FAIL	Call type already exists.
Data truncation	BNS_DATA_TRUNCATION	FAIL	Data truncation.
No valid call type specified	BNS_INVALID_CALL_TYP	FAIL	No valid call type specified.
This treatment does not exist in the system	BNS_TREATE_NOT_EXIST	FAIL	This treatment does not exist in the system.
10256	BNS_UNKNOWN_COMMAND	FAIL	Unknown command in outDM.
14004	BNS_NE_NOT_AUTHORISE	FAIL	The hosting NE is not authorized for this enterprise.
14002	BNS_ROUT_ENTRY_EXIST	FAIL	Routing entry already exists.
14006	BNS_HOSTNE_NOT_FOUND	FAIL	The hosting NE does not exist.
((?s).)*TimesTen 5.1.25 ODBC Driver((?s).)*	BNS_PARAM_NULL	FAIL	Description goes Here.
11001	BNS_LOC_NOT_EXIST	FAIL	Location code does not exist.
14005	BNS_ROU_ENT_NOT_EXIS	FAIL	Routing entry does not exist.
10366	BNS_E164_DN_INVALID	FAIL	E164 DN is not valid. It cannot be validated against the rules defined in Country Codes (CC) and Natio
nal Destination Codes (NDC).			

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10352	BNS_FRO_TO_NOT_EQUAL	FAIL	FROM and TO must be of equal length for a directory number range.
11012	BNS_NOT_SET_WITH_SEL	FAIL	grpId ,hostId and trmtId cannot be set with selector =PUBLIC.
11013	BNS_MAN_FOR_SELECTOR	FAIL	hostId is mandatory with selector =ROUTE.
((?s).)*used by another group or does not exist((?s).)*	BNS_DN_USED_NOT_EXIS	FAIL	DN is used by another group or does not exist.
10102	BNS_ADMIN_NOT_EXIST	FAIL	Admin does not exist.
10101	BNS_ADMIN_EXISTS	FAIL	Admin already exists.
10506	BNS_NE_REFERENCE_SYS	FAIL	Hosting NE is referenced in the system.
((?s).)*ERROR NOT DEFINED((?s).)*	BNS_ERR_NOT_DEFINED	FAIL	ERROR NOT DEFINED on local table for foreign table.
10059	BNS_INVALID_URL	FAIL	URL must consist of two parts delimited by the @ character.
10550	BNS_RES_NE_NOT_EXIST	FAIL	Resource NE does not exist.
10991	BNS_URL_EXISTS	FAIL	Url already exists.
Trying to delete a DN not assigned to this user group	BNS_DN_NOT_ASSIGNED	FAIL	Trying to delete a DN not assigned to this user group .
Trying to delete an alias URL not assigned to this user group	BNS_ALIAS_URL_NOT_AS	FAIL	Trying to delete an alias URL not assigned to this user group.
4000	BNS_SYSTEM_ERROR	FAIL	System Error .
4001	BNS_UNAUTH_TRANSAC	FAIL	Unauthorized transaction.
4002	BNS_UNKNOWN_TRANS	FAIL	Unknown transaction.
4003	BNS_UNAUTH_REQUEST	FAIL	Unauthorized request.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
4004	BNS_UNSUPP_REQUEST	FAIL	Unsupported request.
4006	BNS_MISS_REQ_PARAMS	FAIL	Missing required parameters.
4013	BNS_DB_UPG_OR_MAINT	FAIL	The database is currently involved in upgrade or maintenance activities.No configuration changes can be made at this time.please try again later or contact your system administrator.
4018	BNS_WRONG_PASS_USER	FAIL	Wrong password for user ID.
4022	BNS_DB_LOCKED	FAIL	Database locked .Please try again later.
10050	BNS_CANNOT_RES_HOST	FAIL	cannot resolve host address.
10053	BNS_STAT_COST_OUT_OF	FAIL	static Cost is out of range.
10054	BNS_STAT_WEIG_OUT_OF	FAIL	static weight is out of range.
10055	BNS_DEF_COST_OUT_OF	FAIL	default Cost is out of range.
10056	BNS_DEF_WEIG_OUT_OF	FAIL	default weight is out of range.
10058	BNS_BADLY_FORM_ADDR	FAIL	Badly formatted Address.
10060	BNS_DUPLICATE_URL	FAIL	Duplicate URL.
10061	BNS_MAX_LEN_EXCEEDED	FAIL	Maximum length exceeded ,data truncation occurred.
10062	BNS_SYS_MUST_BE_RES	FAIL	The system must be restarted for this property to take property to take effect.
10063	BNS_NO_MATCH_ENTRIES	FAIL	Please narrow your search ,there are 0 matching entries.
10100	BNS_USR_MUST_BE_ENT	FAIL	User authentication must be Enterprise ,Group provisioning or System.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10103	BNS_ONLY_ADMINS_ENT	FAIL	Can only delete admins or the same enterprise.
10104	BNS_ADMIN_CANNOT_DEL	FAIL	Administrators can not delete themselves.
10105	BNS_GET_SAME_ADM_ENT	FAIL	can only get properties or admins in the same enterprise.
10106	BNS_OLD_PASS_INVALID	FAIL	Old password is invalid.
10107	BNS_CANNOT_CH_ACCESS	FAIL	cannot change the access level for the last full access system administrator.
10108	BNS_USR_ID_CONT_CHAR	FAIL	User id cannot contain characters other than those allowed in the location-part of an e-mail addr.
10109	BNS_USER_ID_EMPTY	FAIL	UsedId must not be empty.
10110	BNS_USR_ID_MUST_LONG	FAIL	User Id must be atleast {0} characters long.
10111	BNS_USR_ID_NOT_LONG	FAIL	UserId must not be longer than 50 characters.
10112	BNS_USR_ID_NULL	FAIL	UserId must not be null.
10113	BNS_FISRT_NAME_CONT	FAIL	First name should not contain slashes ,backslashes and double quotes.
10114	BNS_LAST_NAME_CONT	FAIL	Last name should not contain slashes ,backslashes and double quotes.
10115	BNS_FISRT_NAME_NULL	FAIL	First name should not be null.
10116	BNS_LAST_NAME_NULL	FAIL	Last name should not be null.
10117	BNS_FNAME_NOT_LONGER	FAIL	Fisrt name must not be longer than 50 characters.
10118	BNS_LNAME_NOT_LONGER	FAIL	Last name must not be longer than 50 characters.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10119	BNS_MAX_LOGIN_FAIL	FAIL	Max login failures out of range (-1 to 9).
10120	BNS_MIN_PASS_LEN_OUT	FAIL	Min password length out of range (3 to 40).
10121	BNS_MIN_PAS_LEN_LESS	FAIL	Min password length should not be less than sum of all the required numbers,uppercase,lowercase and non-alphanumeric characters.
10122	BNS_INVALID_PASS	FAIL	Invalid password.The password must be atleast 6 characters
10123	BNS_CONT_LOGIN_ID	FAIL	contain login ID.
10124	BNS_CONT_OLD_PASS	FAIL	Contain old password.
10125	BNS_BE_REV_OLD_PASS	FAIL	Be the reverse of the old password.
10126	BNS_INC_ATLEAST_NUM	FAIL	Including at least {0} number
10127	BNS_INC_ATLEAST_UPP	FAIL	including at least {0} uppercase alpha char(s)
10128	BNS_INC_ATLEAST_LOW	FAIL	including at least {0} lowercase alpha char(s)
10129	BNS_INC_ATL_NON_ALP	FAIL	including at least {0} non-alphanumeric char(s)
10130	BNS_IN_ADD_IT_CANNOT	FAIL	In addition ,it cannot
10151	BNS_CAR_REFER_BY_ENT	FAIL	Carrier is referenced {0,choice,0#bla 1#once 2#{0} times} by Enterprises and/or Groups.
10152	BNS_ENT_DESC_ST_QUOT	FAIL	Enterprise description should not start with a quote.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10153	BNS_ENT_DESC_LONGER	FAIL	Enterprise description must not be longer than 80 characters.
10154	BNS_NIL_ENT_SYS_DEF	FAIL	NIL_ENTERPRISE is system-defined and cannot be added nor deleted.
10155	BNS_ENT_ALREADY_EXIS	FAIL	Enterprise already exists.
10156	BNS_ENT_UGRO_NOT_DEL	FAIL	Enterprise with user groups cannot be deleted.
10157	BNS_ENT_SITE_NOT_DEL	FAIL	Enterprise with sites cannot be deleted.
10158	BNS_ENT_UADM_NOT_DEL	FAIL	Enterprise with user admins cannot be deleted.
10159	BNS_ENT_REFBY_NE_DEL	FAIL	Enterprise is referenced in Hosting NEs and cannot be deleted.
10200	BNS_EXE_ENT_POLICIES	FAIL	Executing Enterprise Policies.
10201	BNS_NO_POL_ASSIGNED	FAIL	No policies are assigned to this Enterprise.
10202	BNS_ENT_POL_PROCESS	FAIL	Post Enterprise Policies Processing.
10203	BNS_CALL_REC_TREAT	FAIL	This call received a treatment and will not be completed.
10204	BNS_CALL_PRO_SYS_PRO	FAIL	This call will be processed by the System Providers policies.
10205	BNS_CALL_NOT_PROCESS	FAIL	This call will not be processed by the Service Providers public policies.
10206	BNS_EXE_INC_DIGIT_MA	FAIL	Executing Incoming Digit Manipulation.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10207	BNS_DIGIT_MAN_ASSIGN	FAIL	A digit manipulation is assigned to this group on this network element.
10208	BNS_DIAL_MODIFIED	FAIL	The dialed number may be modified.
10209	BNS_MOD_DIAL_NUMBER	FAIL	The modified dialed number is: {0}
10210	BNS_NUM_INVALID_PUB	FAIL	The number is not a valid public number.
10211	BNS_CALL_NOT_PRO_POL	FAIL	The call will not be processed by other policies.
10212	BNS_PUB_DN_VALIDATE	FAIL	Public DN Validation.
10213	BNS_BASIC_CONFIG	FAIL	Basic Configuration.
10214	BNS_STATUS_DISABLED	FAIL	Status: Disabled.
10215	BNS_STATUS_ENABLED	FAIL	Status: Enabled.
10216	BNS_POL_NOT_TRIG_NET	FAIL	Policy not triggered for PRIVATE Network Type.
10217	BNS_POL_NOT_TRIG_URL	FAIL	Policy not triggered for URL call.
10218	BNS_POL_NOT_TRIG_CAL	FAIL	Policy not triggered for call type.
10219	BNS_NEAR_END_DM	FAIL	NearEndDM.
10220	BNS_APPLYIN_DM_INDEX	FAIL	Applying DM using index.
10221	BNS_PERFOR_SCREENING	FAIL	Performing screening between {0} and {1}.
10222	BNS_FAR_END_DM	FAIL	FarEndDM.
10223	BNS_APPL_DM_INDEX	FAIL	Applying DM using index.
10224	BNS_PERF_SCREENING	FAIL	Performing screening between {0} and {1}.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10225	BNS_CALL_CAT_CIC_ADD	FAIL	Call Category: {0}; CIC added: {1}.
10226	BNS_NO_CIC_CHANGE	FAIL	No CIC change.
10227	BNS_ADD_CIC_TO_ROUTE	FAIL	Adding CIC to routing entry: cc={0}; callCategory={1}; cic={2}.
10228	BNS_NO_CIC_ROUTE_LOC	FAIL	No CIC added because this route is LOCAL.
10229	BNS_DM	FAIL	{0}DM: {1}.
10230	BNS_DN	FAIL	{0}DN: {1}.
10231	BNS_DM_ENGINE	FAIL	DM Engine.
10232	BNS_ZERO	FAIL	{0}.
10233	BNS_ORIG_NOT_BEL_ENT	FAIL	The Originating Number does not belong to this enterprise.
10234	BNS_NE_NO_SIG_IPADDR	FAIL	Hosting NE: {0} of originator has no signaling IP address.
10235	BNS_HOST_NE_OFFLINE	FAIL	Hosting NE: {0} is OffLine.
10236	BNS_ENT_POL_ALR_RAN	FAIL	Enterprise version of this policy already ran. Continue.
10237	BNS_PO_NOT_TRI_URL_C	FAIL	Policy not triggered for URL caller.
10238	BNS_FEA_DIAL_NOT_SUP	FAIL	Feature code dialing not supported.
10239	BNS_KEEP_PBX_PREPEND	FAIL	keepPFX present, prepending.
10240	BNS_KEEP_PBX_NO_PREF	FAIL	keepPFX present, ..no prefix.
10250	BNS_DMI_NOT_EXIST	FAIL	DMI does not exist.
10251	BNS_DMI_ALREADY_EXIST	FAIL	DMI already exists.
10252	BNS_DMI_CALL_INEXIST	FAIL	DMI calls inexistent DMI.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10253	BNS_REC_NOT_ALL_DMIS	FAIL	Recursion not allowed between DMIs.
10254	DMI_REF_BY_OTHER_DMI	FAIL	DMI referred by other DMIs.
10255	BNS_INDEX_NEGATIVE	FAIL	Index cannot be negative.
10257	BNS_MISSING_ARGUEMEN	FAIL	Missing argument.
10258	BNS_TOO_MANY_ARGS	FAIL	Too many arguments.
10259	BNS_MISSING_OPENING	FAIL	Missing opening (.
10260	BNS_MISSING_CLOSING	FAIL	Missing closing).
10261	BNS_EXT_TOK_AFT_PARA	FAIL	Extra token after parentheses.
10262	BNS_EMP_OPERATION	FAIL	Empty Operation.
10263	BNS_INV_INTEG_VALUE	FAIL	Invalid Integer value.
10264	BNS_NEG_INT_NOT_ALL	FAIL	Negative Integers not allowed.
10265	BNS_INV_DIG_AT_INDEX	FAIL	Invalid digit {0} at index {1} in {2}.
10266	BNS_CHAR_PLU_NOT_ALL	FAIL	Character + not allowed in operand of this command in {0}.
10267	BNS_CHAR_HAS_NOT_ALL	FAIL	Character # not allowed in operand of this command in {0}.
10268	BNS_CHAR_PLU_ALL_FIR	FAIL	Character + allowed only as first character for this command in {0}.
10269	BNS_TOO_MANY_OPS	FAIL	Too many operations ({0}) in Digit Manipulation. Maximum is {1}.
10270	BNS_TOO_MANY_OPS_DGT	FAIL	Too many characters ({0}) in Digit Manipulation. Maximum is {1}.
10271	BNS_CMD_NOT_ALLOWED	FAIL	Command not allowed.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10272	BNS_INV_DGT_MAN_IND	FAIL	Invalid Digit Manipulation Index.
10273	BNS_INVALID_KEY	FAIL	Invalid key: {0}.
10274	BNS_DMI_REF_SYSTEM	FAIL	DMI is referenced in the system.
10275	BNS_DMI_REF_BY_DMIS	FAIL	DMI is referenced {0,choice,0#bla 1#once 2#{0} times} by DMIs.
10300	BNS_GRP_NOT_EXIST	FAIL	Group does not exist.
10302	BNS_GRP_ALREADY_EXIST	FAIL	Group already exists.
10303	BNS_GRP_NOT_BEL_ENT	FAIL	Group does not belong to enterprise.
10304	BNS_ENT_ADM_NOT_MOD	FAIL	Enterprise admins cannot modify a group's enterprise.
10305	BNS_GRP_NAME_CONTAIN	FAIL	Group name should not contain percentages, quotes and apostrophes.
10306	BNS_GRP_ID_START_DGT	FAIL	Group ID must start with a letter or digit.
10307	BNS_GRP_ID_CONTAINS	FAIL	Group ID must not contain percentages, quotes, apostrophes backslashes and the :: character sequence.
10308	BNS_GRP_ID_EMPTY	FAIL	Group ID must not be empty.
10309	BNS_GRP_ID_NULL	FAIL	Group ID must not be null.
10310	BNS_GRP_ID_TOO_LONG	FAIL	Group ID is too long.
10311	BNS_GRP_NAME_NULL	FAIL	Group name must not be null.
10312	BNS_GRP_NAM_TOO_LONG	FAIL	Group name is too long.
10313	BNS_GRP_NAME_NOT_UNI	FAIL	Group name is not unique.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10314	BNS_HOST_NE_REF_GRPS	FAIL	Hosting NE is referenced {0,choice,0#bla 1#once 2#{0} times} by Groups.
10315	BNS_GRP_REF_IN_SYS	FAIL	Group {0} is referenced in the system.
10350	BNS_DIR_NUM_NON_EMP	FAIL	A directory number must be non-empty and consist of digits only.
10351	BNS_EXT_NUM_NON_EMP	FAIL	An extension number must non-empty and consist of digits only.
10353	BNS_FRM_TO_EQUAL_EXT	FAIL	FROM and TO must be of equal length for an extension number range.
10354	BNS_FRM_LESS_TO_DIR	FAIL	FROM must be less than TO for a directory number range.
10355	BNS_FRM_LESS_TO_EXT	FAIL	FROM must be less than TO for an extension number range.
10356	BNS_FRM_DIR_NON_EMP	FAIL	FROM directory number must be non-empty and consist of digits only.
10357	BNS_FRM_EXT_NON_EMP	FAIL	FROM extension number must non-empty and consist of digits only.
10358	BNS_TO_DIR_NON_EMP	FAIL	TO directory number must be non-empty and consist of digits only.
10359	BNS_TO_EXT_NON_EMP	FAIL	TO extension number must non-empty and consist of digits only.
10360	BNS_DIR_NUM_DGT_LONG	FAIL	A directory number may be at most {0} digits long.
10361	BNS_EXT_NUM_DGT_LONG	FAIL	An extension number may be at most {0} digits long.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10362	BNS_FRM_DIR_DGT_LONG	FAIL	FROM directory number may be at most {0} digits long.
10363	BNS_FRM_EXT_DGT_LONG	FAIL	FROM extension number may be at most {0} digits long.
10364	BNS_TO_DIR_DGT_LONG	FAIL	TO directory number may be at most {0} digits long.
10365	BNS_TO_EXT_DGT_LONG	FAIL	TO extension number may be at most {0} digits long.
10367	BNS_DN_USED_BY_GROUP	FAIL	DN: {0} is used by group: {1}.
10368	BNS_NUM_MGMT_DISABLE	FAIL	Number management is disabled.
10369	BNS_DIS_NUM_MGMT_DEL	FAIL	Disabling number management will delete all unassigned numbers in the system.
10370	BNS_DN_NOT_EXIST	FAIL	DN does not exist.
10371	BNS_EXT_ALR_EXISTS	FAIL	Extension already exists.
10400	BNS_CAR_NAME_STARTS	FAIL	Carrier name should start with a letter or digit and should not contain percentages, quotes, double quotes, backslashes and the character sequence.
10401	BNS_CARRIER_NAM_NULL	FAIL	Carrier name must not be null.
10402	BNS_CARRIER_NAME_EMP	FAIL	Carrier name must not be empty.
10403	BNS_CAR_NAM_TOO_LONG	FAIL	Carrier name is too long.
10404	BNS_CARRIER_AL_EXIST	FAIL	Carrier already exists.
10406	BNS_CAR_REFER_SYSTEM	FAIL	Carrier: {0} is referenced in the system.
10407	BNS_CARRIER_DEF_SYS	FAIL	Carrier: {0} is defined by the system and cannot be deleted.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10408	BNS_ENT_ROU_NE_EXIST	FAIL	Entry for routing NE: {0} already exists.
10409	BNS_ENT_NE_NOT_EXIST	FAIL	Entry for routing NE: {0} does not exist.
10410	BNS_INVALID LENG_CAC	FAIL	Carrier Access Code (CAC) length is invalid.
10411	BNS_CAR_LEV_NOT_CHAN	FAIL	The carrier level (Intra-LATA, Inter-LATA, or International) is used in the system and cannot be changed..
10412	BNS_CARR_NOT_HAVE_NE	FAIL	Carrier {0} cannot have preferred routing NE entries.
10413	BNS_CAC_ALREADY_EXIST	FAIL	Carrier Access Code {0} already exists.
10414	BNS_CAC_CANNOT_MOD	FAIL	Carrier Access Code cannot be modified.
10415	BNS_CAR_NOT_SUPP_LEV	FAIL	Carrier {0} does not support the requested level: {1}.
10416	BNS_CAR_NOT_SUP_BLOC	FAIL	Carrier {0} does not support the requested level: {1}. All inter-LATA calls will be blocked.
10417	BNS_CAR_USE_SYS_BLOC	FAIL	The carrier is used in the system. All inter-LATA calls using this carrier will be blocked.
10450	BNS_ROU_NE_NOT_EXIST	FAIL	Routing NE does not exist.
10451	BNS_ROU_NE_START_WIT	FAIL	Routing NE name should start with a letter or digit and should not contain percentages, quotes, double quotes, backslashes and the character sequence.
10452	BNS_ROU_NE_NAME_NULL	FAIL	Routing NE name must not be null.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10453	BNS_ROU_NE_NAME_EMP	FAIL	Routing NE name must not be empty.
10454	BNS_ROU_NE_NAME_LONG	FAIL	Routing NE name is too long.
10455	BNS_ROU_NE_ALR_EXIST	FAIL	Routing NE already exists.
10456	BNS_ROU_NE_REF_SYS	FAIL	Routing NE: {0} is referenced in the system.
10457	BNS_INV_FRM_TO_RANGE	FAIL	Invalid or conflicting from/to range limits.
10458	BNS_ROU_STA_NOT_EXIS	FAIL	Routing entry starting with {0} does not exist.
10459	BNS_ROU_END_NOT_EXIS	FAIL	Routing entry ending with {0} does not exist.
10460	BNS_FRM_TO_RANGE_INV	FAIL	From/To range is invalid or associated values are not consistent across the range.
10461	BNS_ROU_EN_NOT_EXIST	FAIL	Routing entry does not exist.
10462	BNS_ADDR_NOT_EXIST	FAIL	Address does not exist for this routing NE.
10463	BNS_NOT_MOD_ROUTE_EN	FAIL	Cannot modify more than one routing entry at a time.
10464	BNS_ALL_ROUTE_EN_DEL	FAIL	All associated routing entries, addresses, and mediaCodecs will be deleted.
10465	BNS_ADDR_EXIS_ROU_NE	FAIL	Address already exists for this routing NE.
10466	BNS_NO_ADDR_TO_SET	FAIL	No address to set.
10467	BNS_DMI_REF_NE_ROUTE	FAIL	DMI is referenced {0,choice,0#bla 1#once 2#{0} times} by routing NE routing entries.
10468	BNS_ROUTE_ENT_EXISTS	FAIL	Routing entry already exists.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10469	BNS_ROUTING_ENT_REF	FAIL	Routing entry is referenced.
10501	BNS_HOST_NE_ST_WITH	FAIL	Hosting NE name should start with a letter or digit and should not contain percentages, quotes, double quotes, backslashes and the character sequence.
10502	BNS_HOST_NE_NAM_NULL	FAIL	Hosting NE name must not be null.
10503	BNS_HOST_NE_NAM_EMP	FAIL	Hosting NE name must not be empty.
10504	BNS_HOST_NE_NAM_LONG	FAIL	Hosting NE name is too long.
10507	BNS_NODE_ADDR_MC_DEL	FAIL	All nodes, addresses, and mediaCodecs for this hosting NE will be deleted.
10508	BNS_NODE_ID_OUT_RANG	FAIL	Node ID is out of range [0,9].
10512	BNS_DEF_NE_NOT_DEL	FAIL	Cannot delete default hosting NE node.
10513	BNS_HOST_NE_REF_SYS	FAIL	Hosting NE node: {0} {1} is referenced in the system.
10516	BNS_NO_ADDR_TO_DEL	FAIL	No address to delete.
10518	BNS_NO_ADDR_TO_SET	FAIL	No address to set.
10519	BNS_ALL_ADDR_NE_DEL	FAIL	All associated addresses for this hosting NE node will be deleted.
10521	BNS_UNKNOWN_TRAN_TYP	FAIL	Unknown transport type.
10551	BNS_RES_NE_START_WIT	FAIL	Resource NE name should start with a letter or digit and should not contain percentages, quotes, double quotes, backslashes and the character sequence.
10552	BNS_RES_NE_NAME_NULL	FAIL	Resource NE name must not be null.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10553	BNS_RES_NE_NAME_EMP	FAIL	Resource NE name must not be empty.
10554	BNS_RES_NE_NAME_LONG	FAIL	Resource NE name is too long.
10555	BNS_RES_NE_EXISTS	FAIL	Resource NE: {0} already exists.
10556	BNS_ENT_ROU_NE_EXIST	FAIL	Entry for routing NE: {0} already exists.
10557	BNS_ADDR_ASS_RES_NE	FAIL	This address is already assigned to this Resource NE.
10558	BNS_ENT_NE_NOT_EXIST	FAIL	Entry for routing NE: {0} does not exist.
10559	BNS_ADDR_NOT_ASS_RES	FAIL	This address is not assigned to this Resource NE.
10560	BNS_NOT_MOD_MORE_ONE	FAIL	Cannot modify more than one selection entry at a time.
10561	BNS_ALL_ENT_ADDR_DEL	FAIL	All associated media server selection entries, addresses, and mediaCodecs will be deleted.
10562	BNS_RES_NE_REFER_SYS	FAIL	Resource NE: {0} is referenced in the system.
10563	BNS_RES_NE_NOT_MEDIA	FAIL	Resource NE: {0} is not a Media Server.
10564	BNS_RES_NE_NOT_SIMPL	FAIL	Resource NE: {0} is not a SIMPLE Server.
10565	BNS_NO_ADDR_TO_SET	FAIL	No address to set.
10566	BNS_ALL_ADDR_MC_DEL	FAIL	All associated addresses and mediaCodecs will be deleted.
10567	BNS_SET_APP_MED_SERV	FAIL	Services settings only apply to Media Servers.
10568	BNS_SERVIC_NOT_EXIST	FAIL	Service does not exist.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10569	BNS_SER_MAP_MED_SERV	FAIL	Service is already mapped to Media Server.
10601	BNS_CAR_REF_COUN_COD	FAIL	Carrier is referenced {0,choice,0#bla 1#once 2#{0} times} in Country Codes.
10650	BNS_ROU_PRO_NOT_EXIS	FAIL	Routing Profile does not exist.
10700	BNS_LOC_CODE_EMPTY	FAIL	Location code will be empty.
10701	BNS_LOC_CODE_DEL	FAIL	Location code will be deleted.
10702	BNS_NORT_LOC_1NPANXX	FAIL	North American locations should be in 1NPANXX format.
10703	BNS_INV_NNACL_COUNTR	FAIL	{0} is not a valid entry the current NNACL file for country: 1 ({1}).
10704	BNS_LOC_BEG_VAL_CODE	FAIL	Location has to begin with a valid country code.
10705	BNS_LOC_COD_PAR_COUN	FAIL	This location code is parsed as: Country: {0} ({1}), National location: {2}.
10750	BNS_OP_TAKE_FEW_SECS	FAIL	The {0} operation may take few seconds. The test is going to be performed on the following addresses.
10751	BNS_UNKNOWN_HOST_NE	FAIL	Unknown HostingNe.
10752	BNS_UNKNOWN_ROUTE_NE	FAIL	Unknown RoutingNe.
10753	BNS_UNKNOWN_RES_NE	FAIL	Unknown ResourceNe.
10754	BNS_UNKNOWN_DEV_TYPE	FAIL	Unknown device type received.
10755	BNS_INVALID_COMMAND	FAIL	Invalid command.
10800	BNS_SITE_EXISTS_ENT	FAIL	Site is already exists in enterprise.
10802	BNS_DEF_SITE_NOT_DEL	FAIL	Default site cannot be deleted.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10803	BNS_SITE_ID_EMPTY	FAIL	Site ID must not be empty.
10804	BNS_SITE_ID_NULL	FAIL	Site ID must not be null.
10805	BNS_SITE_ID_TOO_LONG	FAIL	Site ID is too long.
10806	BNS_SITE_ID_STAR_DGT	FAIL	Site ID must start with a letter or digit.
10807	BNS_SITE_ID_CONTAINS	FAIL	Site ID must not contain percentages, quotes, apostrophes backslashes and the :: character sequence.
10808	BNS_SITE_ENT_REF_SYS	FAIL	Site in enterprise is referenced in the system.
10809	SITE_REF_BY_HOST_NE	FAIL	Site is referenced {0,choice,0#bla 1#once 2#{0} times} by Hosting NEs.
10810	SITE_REFERER_BY_DN	FAIL	Site is referenced {0,choice,0#bla 1#once 2#{0} times} by DNs.
10811	SITE_REF_BY_URL	FAIL	Site is referenced {0,choice,0#bla 1#once 2#{0} times} by URLs.
10812	SITE_REF_BY_EXTENS	FAIL	Site is referenced {0,choice,0#bla 1#once 2#{0} times} by Extensions.
10850	BNS_HOST_NAME_EXISTS	FAIL	Hostname already exists.
10851	BNS_HOST_NAM_NOT_FOU	FAIL	Hostname not found.
10900	BNS_LCA_ID_REF_SYS	FAIL	Local Calling Area ID {0} is referenced in the system.
10901	BNS_LCA_REF_ENT_USR	FAIL	LCA ID is referenced {0,choice,0#bla 1#once 2#{0} times} by Enterprises and User Groups.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10902	BNS_LCA_ID_REF_LCA	FAIL	LCA ID is referenced {0,choice,0#bla 1#once 2#{0} times} by Local Calling Areas.
10903	BNS_LCA_ID_REF_NDC	FAIL	LCA ID is referenced {0,choice,0#bla 1#once 2#{0} times} by National Destination Codes.
10905	BNS_LCA_ID_EXIS_LATA	FAIL	LCA Id already exists in LCAs based on LATA/Rate Centers.
10906	BNS_LCA_ID_EXIS_CODE	FAIL	LCA Id already exists in country code.
10911	BNS_RATE_CEN_REF_SYS	FAIL	Rate Center {0}, in Zone {1}, in Country Code {2}, is referenced in the system.
10912	BNS_RATE_CEN_REF_LCA	FAIL	Rate Center is referenced {0,choice,0#bla 1#once 2#{0} times} by Local Calling Areas.
10913	BNS_RATE_CEN_REF_NDC	FAIL	Rate Center is referenced {0,choice,0#bla 1#once 2#{0} times} by National Destination Codes.
10914	BNS_RAT_CEN_EXIS_COD	FAIL	Zone/Rate Center already exists in country code.
10915	BNS_RATE_CEN_NOT_COD	FAIL	Zone/Rate Center does not exist in country code.
10921	BNS_ZONE_COD_REF_SYS	FAIL	Zone {0}, in Country Code {1}, is referenced in the system.
10922	BNS_ZONE_REFERER_LCA	FAIL	Zone is referenced {0,choice,0#bla 1#once 2#{0} times} by Local Calling Areas.
10923	BNS_ZONE_EXISTS_CODE	FAIL	Zone already exists in country code.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10924	BNS_ZONE_NOT_IN_CODE	FAIL	Zone does not exist in country code.
10931	BNS_UNKNOWN_POLICY	FAIL	Unknown policy.
10934	BNS_UNLICENSED_POLIC	FAIL	Unlicensed policy.
10935	BNS_INS_ALREA_EXISTS	FAIL	{0} instance already exists.
10936	BNS_INS_NOT_EXIST	FAIL	{0} instance does not exist.
10937	BNS_INSS_NOT_EXIST	FAIL	{0} instances do not exist.
10941	BNS_PROFILE_EXISTS	FAIL	Profile already exists.
10942	BNS_INS_POL_EXIS_PRO	FAIL	An instance of a policy already exists for this profile. The instance needs to be deleted first.
10943	BNS_PRO_USE_NOT_ALL	FAIL	Profile in use, delete not allowed.
10951	BNS_TREAT_MAP_EXISTS	FAIL	Treatment Mapping already exists.
10952	BNS_TREAT_MAP_NOT_EX	FAIL	Treatment Mapping does not exist.
10953	BNS_TRY_DEL_SYS_DEF	FAIL	Trying to delete system defined treatment.
10954	BNS_TRE_MAP_USED_SYS	FAIL	Treatment Mapping used in the system.
10961	BNS_NDC_EXISTS	FAIL	NDC already exists.
10962	BNS_NDC_NOT_EXIST	FAIL	NDC does not exist.
10963	BNS_CHAR_FOUND_NDC	FAIL	Character other than 0-9 found in NDC.
10971	BNS_CALL_TYPE_EXISTS	FAIL	CallType already exists.
10972	BNS_CAL_TYP_NOT_EXIS	FAIL	CallType does not exist.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
10973	BNS_CALL_TYP_USE_SYS	FAIL	Call type {0} still in use in the system.
10974	BNS_CAL_SYS_NOT_DEL	FAIL	System defined call types cannot be deleted.
10981	BNS_DOMAIN_EXISTS	FAIL	Domain already exists.
10982	BNS_DOMAIN_NOT_EXIST	FAIL	Domain does not exist.
10983	BNS_DOM_USE_BY_SYS	FAIL	Domain still in use in the system.
10992	BNS_URL_NOT_EXIST	FAIL	Url does not exist.
10993	BNS_LOG_ID_URL_EXIST	FAIL	LoginId Url already exists.
10994	BNS_LOG_ID_URL_CONF	FAIL	LoginId Url: {0} is in conflict with an adminId for hosting NE: {1}.
16000	BNS_ALL_NODE_WEB_DEL	FAIL	All nodes and addresses for this Web Server Farm will be deleted..
16001	BNS_WEB_FAR_NOT_EXIS	FAIL	Web Server Farm does not exist.
16002	BNS_WEB_FARM_EXISTS	FAIL	Web Server Farm already exists.
16003	BNS_WEB_FARM_REF_SYS	FAIL	Web Server Farm is referenced in the system.
16004	BNS_WEB_NODE_REF_SYS	FAIL	Web Server Farm node is referenced in the system.
16005	BNS_WEB_FA_NO_EXISTS	FAIL	Web Server Farm node already exists.
16006	BNS_WEB_SERV_NAME_ST	FAIL	Web Server Farm name should start with a letter or digit and should not contain percentages, quotes, double quotes, backslashes and the :: character sequence.
16007	BNS_WEB_SER_FARM_NUL	FAIL	Web Server Farm name must not be null.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
16008	BNS_WEB_SER_FARM_EMP	FAIL	Web Server Farm name must not be empty.
16009	BNS_WEB_SER_FAR_LONG	FAIL	Web Server Farm name is too long.
16010	BNS_ADDR_WSFNODE_DEL	FAIL	All associated addresses for this Web Server Farm node will be deleted.
16011	BNS_WSF_NOD_NOT_EXIS	FAIL	Web Server Farm node does not exist.
16012	BNS_ADD_ASS_WSF_NODE	FAIL	This address is already assigned to this Web Server Farm node.
16013	BNS_DEL_LAS_NODE_WSF	FAIL	delete the last node for this Web Server Farm.
16014	BNS_ADD_NOT_EXIS_WSF	FAIL	Address does not exist for Web Server Farm node.
16015	BNS_WSF_ADDR_NOT_SUP	FAIL	Web Server Farm address type not supported for address.
16050	BNS_INV_LEN_IN_ELEM	FAIL	Invalid value length for value in element. Allowed range is [{2} to {3}].
16051	BNS_RES_CONT_FIR_100	SOFT_FAIL	elementStartIndex and numberOfElements not specified in request. The response contains only the first 100 entries.
16052	BNS_RES_CONT_FIR_100	SOFT_FAIL	elementStartIndex not specified in request. The response contains only the first 100 entries.
16053	BNS_RES_CONT_FIR_100	SOFT_FAIL	numberOfElements not specified in request. The response contains only the first 100 entries.
16054	BNS_NUM_ELE_TOO_LARG	SOFT_FAIL	numberOfElements is too large. The response contains a maximum of 100 entries.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
16055	BNS_NARROW_UR_SEARCH	FAIL	Please narrow your search, there are {0} matching records.
16100	BNS_MED_NAM_EXIS_SYS	FAIL	The media name {0} already exists in the system as a media name or codec name.-
16101	BNS_MED_REF_HOST_NE	FAIL	The media name {0} cannot be deleted. It is referenced by at least one Hosting NE.
16102	BNS_MED_REF_ROUTE_NE	FAIL	The media name {0} cannot be deleted. It is referenced by at least one Routing NE.
16103	BNS_MED_REF_RES_NE	FAIL	The media name {0} cannot be deleted. It is referenced by at least one Resource NE.
16104	BNS_MED_REF_SYS_TAB	FAIL	The media name {0} cannot be deleted. It is still referenced in the system by table {1}.
16105	BNS_MED_TYPE_EXISTS	FAIL	The media type already exists in the system.
16106	BNS_MED_TYP_NOT_EXIS	FAIL	The media name does not exist.
16107	BNS_MED_REF_CODEEC	FAIL	The media name cannot be deleted. It is referenced by at least one codec name.
16108	BNS_CODEEC_EXISTS_SYS	FAIL	The codec type with payload type and media type already exists in the system.
16109	BNS_PAY_TYPE_DEF_SYS	FAIL	The payload type is already defined in the system.
16110	BNS_HOST_NE_SUPP_MED	FAIL	The Hosting NE already supports mediaCodec.
16111	BNS_DEL_FAIL_NO_SUPP	FAIL	Delete failed. The Hosting NE does not currently support mediaCodec.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
16112	BNS_CODEEC_MED_EXISTS	FAIL	The codec type with media type already exists in the system.
16113	BNS_COD_NAM_EXIST_AS	FAIL	The codec name already exists in the system as a media name or codec name.
16114	BNS_CODEEC_REF_HOS_NE	FAIL	The codec name cannot be deleted. It is referenced by at least one Hosting NE.
16115	BNS_CODEEC_REF_ROU_NE	FAIL	The codec name cannot be deleted. It is referenced by at least one Routing NE.
16116	BNS_CODEEC_REF_RES_NE	FAIL	The codec name cannot be deleted. It is referenced by at least one Resource NE.
16117	BNS_CODEEC_REF_SYS_TB	FAIL	The codec name cannot be deleted. It is still referenced in the system by table.
16118	BNS_CODEEC_NOT_EXIST	FAIL	The codec name does not exist.
16119	BNS_MED_COD_NOT_EXIS	FAIL	The mediaCodec does not exist.
16120	BNS_ROU_NE_SUPPS_MED	FAIL	The Routing NE already supports mediaCodec.
16121	BNS_RES_NE_SUPPS_MED	FAIL	The Resource NE already supports mediaCodec.
16122	BNS_DEL_FAIL_NOT_ROU	FAIL	Delete failed. The Routing NE does not currently support mediaCodec.
16123	BNS_DEL_FAIL_NOT_RES	FAIL	Delete failed. The Resource NE does not currently support mediaCodec.
16124	BNS_INVALID_NE_TYPE	FAIL	Invalid network element type.

Table 162: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
16125	BNS_MED_NAME_ST_WITH	FAIL	The media name should start with a letter or digit and should not contain percentages, commas, quotes, double quotes, backslashes and the :: character sequence.
16126	BNS_CODEEC_NAM_ST_WIT	FAIL	The codec name should start with a letter or digit and should not contain percentages, commas, quotes, double quotes, backslashes and the :: character sequence.
BINDING_EXCEPTION	BNS_BINDING_EXCEPTIO	FAIL	Service is failed due to binding exception.
((?s).)*is used by another group((?s).)*	BNS_DN_USED_BY_OTGRP	FAIL	DN is used by another group.
10372	BNS_DN_ALREADY_EXIST	FAIL	DN already exists.
((?s).)*Unknown policy:((?s).)*	BNS_UNKNOWN_POLICY	FAIL	Unknown policy.
((?s).)*Unknown exception type 0 on table NET_HOSTING_NES((?s).)*	BNS_UNKNOWN_EXCEP_TY	FAIL	Unknown exception type 0 on table NET_HOSTING_NES

UserExitType.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<serviceModel xmlns="http://www.metasolv.com/ServiceActivation/2003/ServiceModel">
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>14-0</softwareLoad>
      <technology>BNS</technology>
      <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>Success</searchPattern>
    <userType>BNS_SUCCESS</userType>
    <baseType>SUCCEED</baseType>
    <description>All are Ok.</description>
  </userDefinedExitType>

```

```
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>Fail</searchPattern>
  <userType>BNS_FAIL</userType>
  <baseType>FAIL</baseType>
  <description>Unexpected exception.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>Instance already exists.*</searchPattern>
  <userType>BNS_ENTITY_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>The Instance already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>Unknown enterprise.*</searchPattern>
  <userType>BNS_UNKNOWN_ENTER</userType>
  <baseType>FAIL</baseType>
  <description>Unknown enterprise.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10944</searchPattern>
  <userType>BNS_PROFIL_NOT_EXIST</userType>
  <baseType>FAIL</baseType>
  <description> Profile does not exist. </description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10932</searchPattern>
```



```

        <userType>BNS_INS_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>ENTERPRISE instance does not exist for Enterprise
NAME.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10933</searchPattern>
        <userType>BNS_INSTANCE_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Instance already exists for enterprise.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10600</searchPattern>
        <userType>BNS_CODE_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Country Code does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10505</searchPattern>
        <userType>BNS_HOSTING_NE_EXIST</userType>
        <baseType>FAIL</baseType>
        <description> Hosting NE Name already exists</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10500</searchPattern>
        <userType>BNS_HOSTNE_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Hosting NE name does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>

```

```
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10801</searchPattern>
    <userType>BNS_SITE_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description> Site name does not exist in enterprise.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10520</searchPattern>
    <userType>BNS_NE_TYPE_INVALID</userType>
    <baseType>FAIL</baseType>
    <description>Invalid Hosting NE type.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10904</searchPattern>
    <userType>BNS_LCA_ID_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description> LCA ID does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10405</searchPattern>
    <userType>BNS_CARRIER_NOT_EXIS</userType>
    <baseType>FAIL</baseType>
    <description>Carrier does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10150</searchPattern>
    <userType>BNS_ENTERP_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description>Enterprise does not exist.</description>
</userDefinedExitType>
```

```

<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>((?s).)*ProvCartridgeException((?s).)*</
searchPattern>
  <userType>BNS_PROV_CART_EXCEPT</userType>
  <baseType>FAIL</baseType>
  <description>ProvCartridgeException.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>NO_MATCH_FOUND</searchPattern>
  <userType>BNS_NO_UDET_MATCH</userType>
  <baseType>FAIL</baseType>
  <description>No match found.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>0</searchPattern>
  <userType>BNS_REQ_SUCCESS</userType>
  <baseType>SUCCEED</baseType>
  <description>Request successful.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10511</searchPattern>
  <userType>BNS_NE_NODE_NOT_EXIS</userType>
  <baseType>FAIL</baseType>
  <description> Hosting NE node does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10510</searchPattern>

```

```
        <userType>BNS_NE_NODE_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>Hosting NE node already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10515</searchPattern>
    <userType>BNS_ADDR_ASS_ALREADY</userType>
    <baseType>FAIL</baseType>
    <description>This address is already assigned to this hosting NE
node.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10057</searchPattern>
    <userType>BNS_PORT_OUT_OF_RANG</userType>
    <baseType>FAIL</baseType>
    <description>Port is out of range. </description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10052</searchPattern>
    <userType>BNS_WEIG_OUT_OF_RANG</userType>
    <baseType>FAIL</baseType>
    <description>Weight is out of range.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>11504</searchPattern>
    <userType>BNS_NE_ALREADY_AUTHO</userType>
    <baseType>FAIL</baseType>
    <description>This hosting NE is already authorized for this
enterprise.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
```

```

        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10051</searchPattern>
    <userType>BNS_COST_OUT_RANGE</userType>
    <baseType>FAIL</baseType>
    <description>Cost is out of range.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10517</searchPattern>
    <userType>BNS_ADDRES_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description>This address does not exist for this hosting NE node.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10514</searchPattern>
    <userType>BNS_NOT_SET_DEFAULT</userType>
    <baseType>FAIL</baseType>
    <description>Cannot set default flag to false.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>Unknown exception</searchPattern>
    <userType>BNS_UNKNOWN_EXCEPTIO</userType>
    <baseType>FAIL</baseType>
    <description>Unknown exception type on table.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>Field -name- should start with a letter or digit</
searchPattern>
    <userType>BNS_FIELD_NAME_START</userType>

```

```
        <baseType>FAIL</baseType>
        <description>Field name should start with a letter or digit.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10509</searchPattern>
        <userType>BNS_ADDR_TYP_UNKNOWN</userType>
        <baseType>FAIL</baseType>
        <description>Unknown address type.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>14003</searchPattern>
        <userType>BNS_AUTH_NE_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>Authorized hosting NE already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>This treatment already exists</searchPattern>
        <userType>BNS_TREATMENT_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>This treatment already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>Call type already exists</searchPattern>
        <userType>BNS_CALL_TYPE_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>Call type already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
```

```

        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>Data truncation</searchPattern>
    <userType>BNS_DATA_TRUNCATION</userType>
    <baseType>FAIL</baseType>
    <description>Data truncation.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>No valid call type specified</searchPattern>
    <userType>BNS_INVALID_CALL_TYP</userType>
    <baseType>FAIL</baseType>
    <description>No valid call type specified.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>This treatment does not exist in the system</
searchPattern>
    <userType>BNS_TREATE_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description>This treatment does not exist in the system.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10256</searchPattern>
    <userType>BNS_UNKNOWN_COMMAND</userType>
    <baseType>FAIL</baseType>
    <description>Unknown command in outDM.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>14004</searchPattern>
    <userType>BNS_NE_NOT_AUTHORISE</userType>
    <baseType>FAIL</baseType>

```

```
        <description>The hosting NE is not authorized for this
enterprise.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>14002</searchPattern>
        <userType>BNS_ROUT_ENTRY_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Routing entry already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>14006</searchPattern>
        <userType>BNS_HOSTNE_NOT_FOUND</userType>
        <baseType>FAIL</baseType>
        <description>The hosting NE does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*TimesTen 5.1.25 ODBC Driver((?s).)*</
searchPattern>
        <userType>BNS_PARAM_NULL</userType>
        <baseType>FAIL</baseType>
        <description>Description goes Here.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>11001</searchPattern>
        <userType>BNS_LOC_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Location code does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
```



```

        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>14005</searchPattern>
    <userType>BNS_ROU_ENT_NOT_EXIS</userType>
    <baseType>FAIL</baseType>
    <description>Routing entry does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10366</searchPattern>
    <userType>BNS_E164_DN_INVALID</userType>
    <baseType>FAIL</baseType>
    <description>E164 DN is not valid. It cannot be validated against
the rules defined in Country Codes (CC) and Natio&#13;
nal Destination Codes (NDC).</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10352</searchPattern>
    <userType>BNS_FRO_TO_NOT_EQUAL</userType>
    <baseType>FAIL</baseType>
    <description>FROM and TO must be of equal length for a directory
number range.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>11012</searchPattern>
    <userType>BNS_NOT_SET_WITH_SEL</userType>
    <baseType>FAIL</baseType>
    <description>grpId ,hostId and trmtId cannot be set with selector
=PUBLIC.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>11013</searchPattern>
    <userType>BNS_MAN_FOR_SELECTOR</userType>

```

```

        <baseType>FAIL</baseType>
        <description>hostId is mandatory with selector =ROUTE.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*used by another group or does not
    exist((?s).)*</searchPattern>
        <userType>BNS_DN_USED_NOT_EXIS</userType>
        <baseType>FAIL</baseType>
        <description>DN is used by another group or does not exist.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10102</searchPattern>
        <userType>BNS_ADMIN_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Admin does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10101</searchPattern>
        <userType>BNS_ADMIN_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>Admin already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10506</searchPattern>
        <userType>BNS_NE_REFERENCE_SYS</userType>
        <baseType>FAIL</baseType>
        <description>Hosting NE is referenced in the system.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>

```

```

        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>((?s).)*ERROR NOT DEFINED((?s).)*</searchPattern>
    <userType>BNS_ERR_NOT_DEFINED</userType>
    <baseType>FAIL</baseType>
    <description>ERROR NOT DEFINED on local table for foreign table.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10059</searchPattern>
    <userType>BNS_INVALID_URL</userType>
    <baseType>FAIL</baseType>
    <description>URL must consist of two parts delimited by the @
character.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10550</searchPattern>
    <userType>BNS_RES_NE_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description>Resource NE does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10991</searchPattern>
    <userType>BNS_URL_EXISTS</userType>
    <baseType>FAIL</baseType>
    <description>Url already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>Trying to delete a DN not assigned to this user
group</searchPattern>
    <userType>BNS_DN_NOT_ASSIGNED</userType>

```

```

        <baseType>FAIL</baseType>
        <description>Trying to delete a DN not assigned to this user group
.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>Trying to delete an alias URL not assigned to this
user group</searchPattern>
        <userType>BNS_ALIAS_URL_NOT_AS</userType>
        <baseType>FAIL</baseType>
        <description>Trying to delete an alias URL not assigned to this user
group.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>4000</searchPattern>
        <userType>BNS_SYSTEM_ERROR</userType>
        <baseType>FAIL</baseType>
        <description>System Error .</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>4001</searchPattern>
        <userType>BNS_UNAUTH_TRANSAC</userType>
        <baseType>FAIL</baseType>
        <description>Unauthorized transaction.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>4002</searchPattern>
        <userType>BNS_UNKNOWN_TRANS</userType>
        <baseType>FAIL</baseType>
        <description>Unknown transaction.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>

```

```

        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>4003</searchPattern>
    <userType>BNS_UNAUTH_REQUEST</userType>
    <baseType>FAIL</baseType>
    <description>Unauthorized request.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>4004</searchPattern>
    <userType>BNS_UNSUPP_REQUEST</userType>
    <baseType>FAIL</baseType>
    <description>Unsupported request.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>4006</searchPattern>
    <userType>BNS_MISS_REQ_PARAMS</userType>
    <baseType>FAIL</baseType>
    <description>Missing required parameters.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>4013</searchPattern>
    <userType>BNS_DB_UPG_OR_MAINT</userType>
    <baseType>FAIL</baseType>
    <description>The database is currently involved in upgrade or
maintanance activities.No configuration changes can be made at this
time.please try again later or contact your system administrator.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>4018</searchPattern>

```

```
        <userType>BNS_WRONG_PASS_USER</userType>
        <baseType>FAIL</baseType>
        <description>Wrong password for user ID.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>4022</searchPattern>
    <userType>BNS_DB_LOCKED</userType>
    <baseType>FAIL</baseType>
    <description>Database locked .Please try again later.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10050</searchPattern>
    <userType>BNS_CANNOT_RES_HOST</userType>
    <baseType>FAIL</baseType>
    <description>cannot resolve host address.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10053</searchPattern>
    <userType>BNS_STAT_COST_OUT_OF</userType>
    <baseType>FAIL</baseType>
    <description>static Cost is out of range.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10054</searchPattern>
    <userType>BNS_STAT_WEIG_OUT_OF</userType>
    <baseType>FAIL</baseType>
    <description>static weight is out of range.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
```

```

        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10055</searchPattern>
    <userType>BNS_DEF_COST_OUT_OF</userType>
    <baseType>FAIL</baseType>
    <description>default Cost is out of range.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10056</searchPattern>
    <userType>BNS_DEF_WEIG_OUT_OF</userType>
    <baseType>FAIL</baseType>
    <description>default weight is out of range.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10058</searchPattern>
    <userType>BNS_BADLY_FORM_ADDR</userType>
    <baseType>FAIL</baseType>
    <description>Badly formatted Address.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10060</searchPattern>
    <userType>BNS_DUPLICATE_URL</userType>
    <baseType>FAIL</baseType>
    <description>Duplicate URL.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10061</searchPattern>
    <userType>BNS_MAX_LEN_EXCEEDED</userType>
    <baseType>FAIL</baseType>
    <description>Maximum length exceeded ,data truncation occurred.</
description>
</userDefinedExitType>

```

```

<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10062</searchPattern>
  <userType>BNS_SYS_MUST_BE_RES</userType>
  <baseType>FAIL</baseType>
  <description>The system must be restarted for this property to take
property to take effect.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10063</searchPattern>
  <userType>BNS_NO_MATCH_ENTRIES</userType>
  <baseType>FAIL</baseType>
  <description>Please narrow your search ,there are 0 matching
entries.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10100</searchPattern>
  <userType>BNS_USR_MUST_BE_ENT</userType>
  <baseType>FAIL</baseType>
  <description>User authentication must be Enterprise ,Group
provisioning or System.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10103</searchPattern>
  <userType>BNS_ONLY_ADMINIS_ENT</userType>
  <baseType>FAIL</baseType>
  <description>Can only delete admins or the same enterprise.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>

```



```
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10104</searchPattern>
    <userType>BNS_ADMIN_CANNOT_DEL</userType>
    <baseType>FAIL</baseType>
    <description>Administrators can not delete themselves.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10105</searchPattern>
    <userType>BNS_GET_SAME_ADM_ENT</userType>
    <baseType>FAIL</baseType>
    <description>can only get properties or admins in the same
enterprise.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10106</searchPattern>
    <userType>BNS_OLD_PASS_INVALID</userType>
    <baseType>FAIL</baseType>
    <description>Old password is invalid.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10107</searchPattern>
    <userType>BNS_CANNOT_CH_ACCESS</userType>
    <baseType>FAIL</baseType>
    <description>cannot change the access level for the last full access
system administrator.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10108</searchPattern>
    <userType>BNS_USR_ID_CONT_CHAR</userType>
    <baseType>FAIL</baseType>
```

```

        <description>User id cannot contain characters other than those
allowed in the location-part of an e-mail addr.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10109</searchPattern>
        <userType>BNS_USER_ID_EMPTY</userType>
        <baseType>FAIL</baseType>
        <description>UsedId must not be empty.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10110</searchPattern>
        <userType>BNS_USR_ID_MUST_LONG</userType>
        <baseType>FAIL</baseType>
        <description>User Id must be atleast {0} characters long.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10111</searchPattern>
        <userType>BNS_USR_ID_NOT_LONG</userType>
        <baseType>FAIL</baseType>
        <description>UserId must not be longer than 50 characters.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10112</searchPattern>
        <userType>BNS_USR_ID_NULL</userType>
        <baseType>FAIL</baseType>
        <description>UserId must not be null.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>

```

```

        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10113</searchPattern>
    <userType>BNS_FISRT_NAME_CONT</userType>
    <baseType>FAIL</baseType>
    <description>First name should not contain slashes ,backslashes and
double quotes.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10114</searchPattern>
    <userType>BNS_LAST_NAME_CONT</userType>
    <baseType>FAIL</baseType>
    <description>Last name should not contain slashes ,backslashes and
double quotes.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10115</searchPattern>
    <userType>BNS_FISRT_NAME_NULL</userType>
    <baseType>FAIL</baseType>
    <description>First name should not be null.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10116</searchPattern>
    <userType>BNS_LAST_NAME_NULL</userType>
    <baseType>FAIL</baseType>
    <description>Last name should not be null.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10117</searchPattern>
    <userType>BNS_FNAME_NOT_LONGER</userType>
    <baseType>FAIL</baseType>

```

```
        <description>Fisrt name must not be longer than 50 characters.</  
description>  
    </userDefinedExitType>  
    <userDefinedExitType>  
        <neDescriptor>  
            <softwareLoad>14-0</softwareLoad>  
            <technology>BNS</technology>  
            <neVendor>BROADSOFT</neVendor>  
        </neDescriptor>  
        <searchPattern>10118</searchPattern>  
        <userType>BNS_LNAME_NOT_LONGER</userType>  
        <baseType>FAIL</baseType>  
        <description>Last name must not be longer than 50 characters.</  
description>  
    </userDefinedExitType>  
    <userDefinedExitType>  
        <neDescriptor>  
            <softwareLoad>14-0</softwareLoad>  
            <technology>BNS</technology>  
            <neVendor>BROADSOFT</neVendor>  
        </neDescriptor>  
        <searchPattern>10119</searchPattern>  
        <userType>BNS_MAX_LOGIN_FAIL</userType>  
        <baseType>FAIL</baseType>  
        <description>Max login failures out of range (-1 to 9).</  
description>  
    </userDefinedExitType>  
    <userDefinedExitType>  
        <neDescriptor>  
            <softwareLoad>14-0</softwareLoad>  
            <technology>BNS</technology>  
            <neVendor>BROADSOFT</neVendor>  
        </neDescriptor>  
        <searchPattern>10120</searchPattern>  
        <userType>BNS_MIN_PASS_LEN_OUT</userType>  
        <baseType>FAIL</baseType>  
        <description>Min password length out of range (3 to 40).</  
description>  
    </userDefinedExitType>  
    <userDefinedExitType>  
        <neDescriptor>  
            <softwareLoad>14-0</softwareLoad>  
            <technology>BNS</technology>  
            <neVendor>BROADSOFT</neVendor>  
        </neDescriptor>  
        <searchPattern>10121</searchPattern>  
        <userType>BNS_MIN_PAS_LEN_LESS</userType>  
        <baseType>FAIL</baseType>  
        <description>Min password length should not be less than sum of all  
the required numbers, uppercase, lowercase and non-alphanumeric characters.</  
description>  
    </userDefinedExitType>
```

```

<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10122</searchPattern>
  <userType>BNS_INVALID_PASS</userType>
  <baseType>FAIL</baseType>
  <description>Invalid password.The password must be atleast 6
characters</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10123</searchPattern>
  <userType>BNS_CONT_LOGIN_ID</userType>
  <baseType>FAIL</baseType>
  <description>contain login ID.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10124</searchPattern>
  <userType>BNS_CONT_OLD_PASS</userType>
  <baseType>FAIL</baseType>
  <description>Contain old password.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10125</searchPattern>
  <userType>BNS_BE_REV_OLD_PASS</userType>
  <baseType>FAIL</baseType>
  <description>Be the reverse of the old password.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10126</searchPattern>

```

```
        <userType>BNS_INC_ATLEAST_NUM</userType>
        <baseType>FAIL</baseType>
        <description>Including at least {0} number</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10127</searchPattern>
        <userType>BNS_INC_ATLEAST_UPP</userType>
        <baseType>FAIL</baseType>
        <description>including at least {0} uppercase alpha char(s)</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10128</searchPattern>
        <userType>BNS_INC_ATLEAST_LOW</userType>
        <baseType>FAIL</baseType>
        <description>including at least {0} lowercase alpha char(s)</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10129</searchPattern>
        <userType>BNS_INC_ATL_NON_ALP</userType>
        <baseType>FAIL</baseType>
        <description>including at least {0} non-alphanumeric char(s)</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10130</searchPattern>
        <userType>BNS_IN_ADD_IT_CANNOT</userType>
        <baseType>FAIL</baseType>
        <description>In addition ,it cannot </description>
    </userDefinedExitType>
</userDefinedExitType>
```

```

        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10151</searchPattern>
        <userType>BNS_CAR_REFER_BY_ENT</userType>
        <baseType>FAIL</baseType>
        <description>Carrier is referenced {0,choice,0#bla|1#once|2#{0}
times} by Enterprises and/or Groups.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10152</searchPattern>
        <userType>BNS_ENT_DESC_ST_QUOT</userType>
        <baseType>FAIL</baseType>
        <description>Enterprise description should not start with a quote.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10153</searchPattern>
        <userType>BNS_ENT_DESC_LONGER</userType>
        <baseType>FAIL</baseType>
        <description>Enterprise description must not be longer than 80
characters.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10154</searchPattern>
        <userType>BNS_NIL_ENT_SYS_DEF</userType>
        <baseType>FAIL</baseType>
        <description>NIL_ENTERPRISE is system-defined and cannot be added
nor deleted.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>

```

```

        </neDescriptor>
        <searchPattern>10155</searchPattern>
        <userType>BNS_ENT_ALREADY_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>Enterprise already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10156</searchPattern>
        <userType>BNS_ENT_UGRO_NOT_DEL</userType>
        <baseType>FAIL</baseType>
        <description>Enterprise with user groups cannot be deleted.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10157</searchPattern>
        <userType>BNS_ENT_SITE_NOT_DEL</userType>
        <baseType>FAIL</baseType>
        <description>Enterprise with sites cannot be deleted.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10158</searchPattern>
        <userType>BNS_ENT_UADM_NOT_DEL</userType>
        <baseType>FAIL</baseType>
        <description>Enterprise with user admins cannot be deleted.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10159</searchPattern>
        <userType>BNS_ENT_REFBY_NE_DEL</userType>
        <baseType>FAIL</baseType>
        <description>Enterprise is referenced in Hosting NEs and cannot be
deleted.</description>

```



```

</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10200</searchPattern>
  <userType>BNS_EXE_ENT_POLICIES</userType>
  <baseType>FAIL</baseType>
  <description>Executing Enterprise Policies.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10201</searchPattern>
  <userType>BNS_NO_POL_ASSIGNED</userType>
  <baseType>FAIL</baseType>
  <description>No policies are assigned to this Enterprise.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10202</searchPattern>
  <userType>BNS_ENT_POL_PROCESS</userType>
  <baseType>FAIL</baseType>
  <description>Post Enterprise Policies Processing.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10203</searchPattern>
  <userType>BNS_CALL_REC_TREAT</userType>
  <baseType>FAIL</baseType>
  <description>This call received a treatment and will not be
completed.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>

```

```
</neDescriptor>
<searchPattern>10204</searchPattern>
<userType>BNS_CALL_PRO_SYS_PRO</userType>
<baseType>FAIL</baseType>
<description>This call will be processed by the System Providers
policies.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10205</searchPattern>
  <userType>BNS_CALL_NOT_PROCESS</userType>
  <baseType>FAIL</baseType>
  <description>This call will not be processed by the Service
Providers public policies.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10206</searchPattern>
  <userType>BNS_EXE_INC_DIGIT_MA</userType>
  <baseType>FAIL</baseType>
  <description>Executing Incoming Digit Manipulation.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10207</searchPattern>
  <userType>BNS_DIGIT_MAN_ASSIGN</userType>
  <baseType>FAIL</baseType>
  <description>A digit manipulation is assigned to this group on this
network element.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10208</searchPattern>
  <userType>BNS_DIAL_MODIFIED</userType>
  <baseType>FAIL</baseType>
  <description>The dialed number may be modified.</description>
```

```

</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10209</searchPattern>
  <userType>BNS_MOD_DIAL_NUMBER</userType>
  <baseType>FAIL</baseType>
  <description>The modified dialed number is: {0}</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10210</searchPattern>
  <userType>BNS_NUM_INVALID_PUB</userType>
  <baseType>FAIL</baseType>
  <description>The number is not a valid public number.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10211</searchPattern>
  <userType>BNS_CALL_NOT_PRO_POL</userType>
  <baseType>FAIL</baseType>
  <description>The call will not be processed by other policies.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10212</searchPattern>
  <userType>BNS_PUB_DN_VALIDATE</userType>
  <baseType>FAIL</baseType>
  <description>Public DN Validation.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>

```

```
        <searchPattern>10213</searchPattern>
        <userType>BNS_BASIC_CONFIG</userType>
        <baseType>FAIL</baseType>
        <description>Basic Configuration.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10214</searchPattern>
        <userType>BNS_STATUS_DISABLED</userType>
        <baseType>FAIL</baseType>
        <description>Status: Disabled.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10215</searchPattern>
        <userType>BNS_STATUS_ENABLED</userType>
        <baseType>FAIL</baseType>
        <description>Status: Enabled.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10216</searchPattern>
        <userType>BNS_POL_NOT_TRIG_NET</userType>
        <baseType>FAIL</baseType>
        <description>Policy not triggered for PRIVATE Network Type.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10217</searchPattern>
        <userType>BNS_POL_NOT_TRIG_URL</userType>
        <baseType>FAIL</baseType>
        <description>Policy not triggered for URL call.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
```

```

        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10218</searchPattern>
    <userType>BNS_POL_NOT_TRIG_CAL</userType>
    <baseType>FAIL</baseType>
    <description>Policy not triggered for call type.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10219</searchPattern>
    <userType>BNS_NEAR_END_DM</userType>
    <baseType>FAIL</baseType>
    <description>NearEndDM.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10220</searchPattern>
    <userType>BNS_APPLYIN_DM_INDEX</userType>
    <baseType>FAIL</baseType>
    <description>Applying DM using index.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10221</searchPattern>
    <userType>BNS_PERFOR_SCREENING</userType>
    <baseType>FAIL</baseType>
    <description>Performing screening between {0} and {1}.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10222</searchPattern>
    <userType>BNS_FAR_END_DM</userType>
    <baseType>FAIL</baseType>
    <description>FarEndDM.</description>

```

```

</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10223</searchPattern>
  <userType>BNS_APPL_DM_INDEX</userType>
  <baseType>FAIL</baseType>
  <description>Applying DM using index.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10224</searchPattern>
  <userType>BNS_PERF_SCREENING</userType>
  <baseType>FAIL</baseType>
  <description>Performing screening between {0} and {1}.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10225</searchPattern>
  <userType>BNS_CALL_CAT_CIC_ADD</userType>
  <baseType>FAIL</baseType>
  <description>Call Category: {0}; CIC added: {1}.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10226</searchPattern>
  <userType>BNS_NO_CIC_CHANGE</userType>
  <baseType>FAIL</baseType>
  <description>No CIC change.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10227</searchPattern>

```

```

        <userType>BNS_ADD_CIC_TO_ROUTE</userType>
        <baseType>FAIL</baseType>
        <description>Adding CIC to routing entry: cc={0}; callCategory={1};
cic={2}.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10228</searchPattern>
        <userType>BNS_NO_CIC_ROUTE_LOC</userType>
        <baseType>FAIL</baseType>
        <description>No CIC added because this route is LOCAL.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10229</searchPattern>
        <userType>BNS_DM</userType>
        <baseType>FAIL</baseType>
        <description>{0}DM: {1}.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10230</searchPattern>
        <userType>BNS_DN</userType>
        <baseType>FAIL</baseType>
        <description>{0}DN: {1}.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10231</searchPattern>
        <userType>BNS_DM_ENGINE</userType>
        <baseType>FAIL</baseType>
        <description>DM Engine.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>

```

```

        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10232</searchPattern>
    <userType>BNS_ZERO</userType>
    <baseType>FAIL</baseType>
    <description>{0}.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10233</searchPattern>
    <userType>BNS_ORIG_NOT_BEL_ENT</userType>
    <baseType>FAIL</baseType>
    <description>The Originating Number does not belong to this
enterprise.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10234</searchPattern>
    <userType>BNS_NE_NO_SIG_IPADDR</userType>
    <baseType>FAIL</baseType>
    <description>Hosting NE: {0} of originator has no signaling IP
address.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10235</searchPattern>
    <userType>BNS_HOST_NE_OFFLINE</userType>
    <baseType>FAIL</baseType>
    <description>Hosting NE: {0} is OffLine.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10236</searchPattern>
    <userType>BNS_ENT_POL_ALR_RAN</userType>
    <baseType>FAIL</baseType>

```



```

        <description>Enterprise version of this policy already ran.
Continue.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10237</searchPattern>
        <userType>BNS_PO_NOT_TRI_URL_C</userType>
        <baseType>FAIL</baseType>
        <description>Policy not triggered for URL caller.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10238</searchPattern>
        <userType>BNS_FEA_DIAL_NOT_SUP</userType>
        <baseType>FAIL</baseType>
        <description>Feature code dialing not supported.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10239</searchPattern>
        <userType>BNS_KEEP_PBX_PREPEND</userType>
        <baseType>FAIL</baseType>
        <description>keepPFX present, prepending.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10240</searchPattern>
        <userType>BNS_KEEP_PBX_NO_PREF</userType>
        <baseType>FAIL</baseType>
        <description>keepPFX present, ..no prefix.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>

```

```
    </neDescriptor>
    <searchPattern>10250</searchPattern>
    <userType>BNS_DMI_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description>DMI does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10251</searchPattern>
  <userType>BNS_DMI_ALREADY_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>DMI already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10252</searchPattern>
  <userType>BNS_DMI_CALL_INEXIST</userType>
  <baseType>FAIL</baseType>
  <description>DMI calls inexistent DMI.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10253</searchPattern>
  <userType>BNS_REC_NOT_ALL_DMIS</userType>
  <baseType>FAIL</baseType>
  <description>Recursion not allowed between DMIs.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10254</searchPattern>
  <userType>DMI_REF_BY_OTHER_DMI</userType>
  <baseType>FAIL</baseType>
  <description>DMI referred by other DMIs.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
```

```

        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10255</searchPattern>
    <userType>BNS_INDEX_NEGATIVE</userType>
    <baseType>FAIL</baseType>
    <description>Index cannot be negative.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10257</searchPattern>
    <userType>BNS_MISSING_ARGUEMEN</userType>
    <baseType>FAIL</baseType>
    <description>Missing argument.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10258</searchPattern>
    <userType>BNS_TOO_MANY_ARGS</userType>
    <baseType>FAIL</baseType>
    <description>Too many arguments.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10259</searchPattern>
    <userType>BNS_MISSING_OPENING</userType>
    <baseType>FAIL</baseType>
    <description>Missing opening (.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10260</searchPattern>
    <userType>BNS_MISSING_CLOSING</userType>
    <baseType>FAIL</baseType>
    <description>Missing closing ).</description>

```

```
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10261</searchPattern>
  <userType>BNS_EXT_TOK_AFT_PARA</userType>
  <baseType>FAIL</baseType>
  <description>Extra token after parentheses.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10262</searchPattern>
  <userType>BNS_EMP_OPERATION</userType>
  <baseType>FAIL</baseType>
  <description>Empty Operation.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10263</searchPattern>
  <userType>BNS_INV_INTEG_VALUE</userType>
  <baseType>FAIL</baseType>
  <description>Invalid Integer value.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10264</searchPattern>
  <userType>BNS_NEG_INT_NOT_ALL</userType>
  <baseType>FAIL</baseType>
  <description>Negative Integers not allowed.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10265</searchPattern>
```

```

        <userType>BNS_INV_DIG_AT_INDEX</userType>
        <baseType>FAIL</baseType>
        <description>Invalid digit {0} at index {1} in {2}.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10266</searchPattern>
        <userType>BNS_CHAR_PLU_NOT_ALL</userType>
        <baseType>FAIL</baseType>
        <description>Character + not allowed in operand of this command in
    {0}.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10267</searchPattern>
        <userType>BNS_CHAR_HAS_NOT_ALL</userType>
        <baseType>FAIL</baseType>
        <description>Character # not allowed in operand of this command in
    {0}.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10268</searchPattern>
        <userType>BNS_CHAR_PLU_ALL_FIR</userType>
        <baseType>FAIL</baseType>
        <description>Character + allowed only as first character for this
    command in {0}.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10269</searchPattern>
        <userType>BNS_TOO_MANY_OPS</userType>
        <baseType>FAIL</baseType>
        <description>Too many operations ({0}) in Digit Manipulation.
    Maximum is {1}.</description>
    </userDefinedExitType>

```

```
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10270</searchPattern>
  <userType>BNS_TOO_MANY_OPS_DGT</userType>
  <baseType>FAIL</baseType>
  <description>Too many characters ({0}) in Digit Manipulation.
Maximum is {1}.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10271</searchPattern>
  <userType>BNS_CMD_NOT_ALLOWED</userType>
  <baseType>FAIL</baseType>
  <description>Command not allowed.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10272</searchPattern>
  <userType>BNS_INV_DGT_MAN_IND</userType>
  <baseType>FAIL</baseType>
  <description>Invalid Digit Manipulation Index.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10273</searchPattern>
  <userType>BNS_INVALID_KEY</userType>
  <baseType>FAIL</baseType>
  <description>Invalid key: {0}.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10274</searchPattern>
```

```

        <userType>BNS_DMI_REF_SYSTEM</userType>
        <baseType>FAIL</baseType>
        <description>DMI is referenced in the system.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10275</searchPattern>
        <userType>BNS_DMI_REF_BY_DMIS</userType>
        <baseType>FAIL</baseType>
        <description>DMI is referenced {0,choice,0#bla|1#once|2#{0} times}
by DMIs.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10300</searchPattern>
        <userType>BNS_GRP_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Group does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10302</searchPattern>
        <userType>BNS_GRP_ALREADY_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Group already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10303</searchPattern>
        <userType>BNS_GRP_NOT_BEL_ENT</userType>
        <baseType>FAIL</baseType>
        <description>Group does not belong to enterprise.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>

```

```

        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10304</searchPattern>
    <userType>BNS_ENT_ADM_NOT_MOD</userType>
    <baseType>FAIL</baseType>
    <description>Enterprise admins cannot modify a group's enterprise.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10305</searchPattern>
        <userType>BNS_GRP_NAME_CONTAIN</userType>
        <baseType>FAIL</baseType>
        <description>Group name should not contain percentages, quotes and
apostrophes.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10306</searchPattern>
        <userType>BNS_GRP_ID_START_DGT</userType>
        <baseType>FAIL</baseType>
        <description>Group ID must start with a letter or digit.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10307</searchPattern>
        <userType>BNS_GRP_ID_CONTAINS</userType>
        <baseType>FAIL</baseType>
        <description>Group ID must not contain percentages, quotes,
apostrophes backslashes and the :: character sequence.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10308</searchPattern>

```



```
<userType>BNS_GRP_ID_EMPTY</userType>
<baseType>FAIL</baseType>
<description>Group ID must not be empty.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10309</searchPattern>
  <userType>BNS_GRP_ID_NULL</userType>
  <baseType>FAIL</baseType>
  <description>Group ID must not be null.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10310</searchPattern>
  <userType>BNS_GRP_ID_TOO_LONG</userType>
  <baseType>FAIL</baseType>
  <description>Group ID is too long.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10311</searchPattern>
  <userType>BNS_GRP_NAME_NULL</userType>
  <baseType>FAIL</baseType>
  <description>Group name must not be null.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10312</searchPattern>
  <userType>BNS_GRP_NAME_TOO_LONG</userType>
  <baseType>FAIL</baseType>
  <description>Group name is too long.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
```

```
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10313</searchPattern>
    <userType>BNS_GRP_NAME_NOT_UNI</userType>
    <baseType>FAIL</baseType>
    <description>Group name is not unique.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10314</searchPattern>
    <userType>BNS_HOST_NE_REF_GRPS</userType>
    <baseType>FAIL</baseType>
    <description>Hosting NE is referenced {0,choice,0#bla|1#once|2#{0}
times} by Groups.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10315</searchPattern>
    <userType>BNS_GRP_REF_IN_SYS</userType>
    <baseType>FAIL</baseType>
    <description>Group {0} is referenced in the system.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10350</searchPattern>
    <userType>BNS_DIR_NUM_NON_EMP</userType>
    <baseType>FAIL</baseType>
    <description>A directory number must be non-empty and consist of
digits only.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10351</searchPattern>
    <userType>BNS_EXT_NUM_NON_EMP</userType>
    <baseType>FAIL</baseType>
```

```

        <description>An extension number must non-empty and consist of
digits only.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10353</searchPattern>
        <userType>BNS_FRM_TO_EQUAL_EXT</userType>
        <baseType>FAIL</baseType>
        <description>FROM and TO must be of equal length for an extension
number range.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10354</searchPattern>
        <userType>BNS_FRM_LESS_TO_DIR</userType>
        <baseType>FAIL</baseType>
        <description>FROM must be less than TO for a directory number
range.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10355</searchPattern>
        <userType>BNS_FRM_LESS_TO_EXT</userType>
        <baseType>FAIL</baseType>
        <description>FROM must be less than TO for an extension number
range.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10356</searchPattern>
        <userType>BNS_FRM_DIR_NON_EMP</userType>
        <baseType>FAIL</baseType>
        <description>FROM directory number must be non-empty and consist of
digits only.</description>
    </userDefinedExitType>
</userDefinedExitType>

```

```

        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10357</searchPattern>
        <userType>BNS_FRM_EXT_NON_EMP</userType>
        <baseType>FAIL</baseType>
        <description>FROM extension number must non-empty and consist of
digits only.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10358</searchPattern>
        <userType>BNS_TO_DIR_NON_EMP</userType>
        <baseType>FAIL</baseType>
        <description>TO directory number must be non-empty and consist of
digits only.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10359</searchPattern>
        <userType>BNS_TO_EXT_NON_EMP</userType>
        <baseType>FAIL</baseType>
        <description>TO extension number must non-empty and consist of
digits only.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10360</searchPattern>
        <userType>BNS_DIR_NUM_DGT_LONG</userType>
        <baseType>FAIL</baseType>
        <description>A directory number may be at most {0} digits long.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>

```

```

        </neDescriptor>
        <searchPattern>10361</searchPattern>
        <userType>BNS_EXT_NUM_DGT_LONG</userType>
        <baseType>FAIL</baseType>
        <description>An extension number may be at most {0} digits long.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10362</searchPattern>
        <userType>BNS_FRM_DIR_DGT_LONG</userType>
        <baseType>FAIL</baseType>
        <description>FROM directory number may be at most {0} digits long.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10363</searchPattern>
        <userType>BNS_FRM_EXT_DGT_LONG</userType>
        <baseType>FAIL</baseType>
        <description>FROM extension number may be at most {0} digits long.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10364</searchPattern>
        <userType>BNS_TO_DIR_DGT_LONG</userType>
        <baseType>FAIL</baseType>
        <description>TO directory number may be at most {0} digits long.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10365</searchPattern>
        <userType>BNS_TO_EXT_DGT_LONG</userType>
        <baseType>FAIL</baseType>

```

```
        <description>TO extension number may be at most {0} digits long.</  
description>  
</userDefinedExitType>  
<userDefinedExitType>  
    <neDescriptor>  
        <softwareLoad>14-0</softwareLoad>  
        <technology>BNS</technology>  
        <neVendor>BROADSOFT</neVendor>  
    </neDescriptor>  
    <searchPattern>10367</searchPattern>  
    <userType>BNS_DN_USED_BY_GROUP</userType>  
    <baseType>FAIL</baseType>  
    <description>DN: {0} is used by group: {1}.</description>  
</userDefinedExitType>  
<userDefinedExitType>  
    <neDescriptor>  
        <softwareLoad>14-0</softwareLoad>  
        <technology>BNS</technology>  
        <neVendor>BROADSOFT</neVendor>  
    </neDescriptor>  
    <searchPattern>10368</searchPattern>  
    <userType>BNS_NUM_MGMT_DISABLE</userType>  
    <baseType>FAIL</baseType>  
    <description>Number management is disabled.</description>  
</userDefinedExitType>  
<userDefinedExitType>  
    <neDescriptor>  
        <softwareLoad>14-0</softwareLoad>  
        <technology>BNS</technology>  
        <neVendor>BROADSOFT</neVendor>  
    </neDescriptor>  
    <searchPattern>10369</searchPattern>  
    <userType>BNS_DIS_NUM_MGMT_DEL</userType>  
    <baseType>FAIL</baseType>  
    <description>Disabling number management will delete all unassigned  
numbers in the system.</description>  
</userDefinedExitType>  
<userDefinedExitType>  
    <neDescriptor>  
        <softwareLoad>14-0</softwareLoad>  
        <technology>BNS</technology>  
        <neVendor>BROADSOFT</neVendor>  
    </neDescriptor>  
    <searchPattern>10370</searchPattern>  
    <userType>BNS_DN_NOT_EXIST</userType>  
    <baseType>FAIL</baseType>  
    <description>DN does not exist.</description>  
</userDefinedExitType>  
<userDefinedExitType>  
    <neDescriptor>  
        <softwareLoad>14-0</softwareLoad>  
        <technology>BNS</technology>
```

```

        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10371</searchPattern>
    <userType>BNS_EXT_ALR_EXISTS</userType>
    <baseType>FAIL</baseType>
    <description>Extension already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10400</searchPattern>
    <userType>BNS_CAR_NAME_STARTS</userType>
    <baseType>FAIL</baseType>
    <description>Carrier name should start with a letter or digit and
should not contain percentages, quotes, double quotes, backslashes and the
character sequence.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10401</searchPattern>
    <userType>BNS_CARRIER_NAM_NULL</userType>
    <baseType>FAIL</baseType>
    <description>Carrier name must not be null.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10402</searchPattern>
    <userType>BNS_CARRIER_NAME_EMP</userType>
    <baseType>FAIL</baseType>
    <description>Carrier name must not be empty.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10403</searchPattern>
    <userType>BNS_CAR_NAM_TOO_LONG</userType>
    <baseType>FAIL</baseType>
    <description>Carrier name is too long.</description>

```

```
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10404</searchPattern>
  <userType>BNS_CARRIER_AL_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>Carrier already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10406</searchPattern>
  <userType>BNS_CAR_REFER_SYSTEM</userType>
  <baseType>FAIL</baseType>
  <description>Carrier: {0} is referenced in the system.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10407</searchPattern>
  <userType>BNS_CARRIER_DEF_SYS</userType>
  <baseType>FAIL</baseType>
  <description>Carrier: {0} is defined by the system and cannot be
deleted.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10408</searchPattern>
  <userType>BNS_ENT_ROU_NE_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>Entry for routing NE: {0} already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
```



```

        <searchPattern>10409</searchPattern>
        <userType>BNS_ENT_NE_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Entry for routing NE: {0} does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10410</searchPattern>
        <userType>BNS_INVALID LENG_CAC</userType>
        <baseType>FAIL</baseType>
        <description>Carrier Access Code (CAC) length is invalid.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10411</searchPattern>
        <userType>BNS_CAR_LEV_NOT_CHAN</userType>
        <baseType>FAIL</baseType>
        <description>The carrier level (Intra-LATA, Inter-LATA, or
International) is used in the system and cannot be changed..</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10412</searchPattern>
        <userType>BNS_CARR_NOT_HAVE_NE</userType>
        <baseType>FAIL</baseType>
        <description>Carrier {0} cannot have preferred routing NE entries.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10413</searchPattern>
        <userType>BNS_CAC_ALREADY_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Carrier Access Code {0} already exists.</description>
    </userDefinedExitType>

```

```

<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10414</searchPattern>
  <userType>BNS_CAC_CANNOT_MOD</userType>
  <baseType>FAIL</baseType>
  <description>Carrier Access Code cannot be modified.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10415</searchPattern>
  <userType>BNS_CAR_NOT_SUPP_LEV</userType>
  <baseType>FAIL</baseType>
  <description>Carrier {0} does not support the requested level:
{1}.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10416</searchPattern>
  <userType>BNS_CAR_NOT_SUP_BLOC</userType>
  <baseType>FAIL</baseType>
  <description>Carrier {0} does not support the requested level: {1}.
All inter-LATA calls will be blocked.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10417</searchPattern>
  <userType>BNS_CAR_USE_SYS_BLOC</userType>
  <baseType>FAIL</baseType>
  <description>The carrier is used in the system. All inter-LATA calls
using this carrier will be blocked.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>

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```

        </neDescriptor>
        <searchPattern>10450</searchPattern>
        <userType>BNS_ROU_NE_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Routing NE does not exist.</description>
    </userDefinedExitType>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10451</searchPattern>
    <userType>BNS_ROU_NE_START_WIT</userType>
    <baseType>FAIL</baseType>
    <description>Routing NE name should start with a letter or digit and
should not contain percentages, quotes, double quotes, backslashes and the
character sequence.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10452</searchPattern>
    <userType>BNS_ROU_NE_NAME_NULL</userType>
    <baseType>FAIL</baseType>
    <description>Routing NE name must not be null.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10453</searchPattern>
    <userType>BNS_ROU_NE_NAME_EMP</userType>
    <baseType>FAIL</baseType>
    <description>Routing NE name must not be empty.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10454</searchPattern>
    <userType>BNS_ROU_NE_NAME_LONG</userType>
    <baseType>FAIL</baseType>
    <description>Routing NE name is too long.</description>
</userDefinedExitType>

```

```
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10455</searchPattern>
  <userType>BNS_ROU_NE_ALR_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>Routing NE already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10456</searchPattern>
  <userType>BNS_ROU_NE_REF_SYS</userType>
  <baseType>FAIL</baseType>
  <description>Routing NE: {0} is referenced in the system.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10457</searchPattern>
  <userType>BNS_INV_FRM_TO_RANGE</userType>
  <baseType>FAIL</baseType>
  <description>Invalid or conflicting from/to range limits.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10458</searchPattern>
  <userType>BNS_ROU_STA_NOT_EXIS</userType>
  <baseType>FAIL</baseType>
  <description>Routing entry starting with {0} does not exist.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
```

```

        </neDescriptor>
        <searchPattern>10459</searchPattern>
        <userType>BNS_ROU_END_NOT_EXIS</userType>
        <baseType>FAIL</baseType>
        <description>Routing entry ending with {0} does not exist.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10460</searchPattern>
        <userType>BNS_FRM_TO_RANGE_INV</userType>
        <baseType>FAIL</baseType>
        <description>From/To range is invalid or associated values are not
consistent across the range.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10461</searchPattern>
        <userType>BNS_ROU_EN_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Routing entry does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10462</searchPattern>
        <userType>BNS_ADDR_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Address does not exist for this routing NE.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10463</searchPattern>
        <userType>BNS_NOT_MOD_ROUTE_EN</userType>
        <baseType>FAIL</baseType>

```

```

        <description>Cannot modify more than one routing entry at a time.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10464</searchPattern>
        <userType>BNS_ALL_ROUTE_EN_DEL</userType>
        <baseType>FAIL</baseType>
        <description>All associated routing entries, addresses, and
mediaCodecs will be deleted.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10465</searchPattern>
        <userType>BNS_ADDR_EXIS_ROU_NE</userType>
        <baseType>FAIL</baseType>
        <description>Address already exists for this routing NE.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10466</searchPattern>
        <userType>BNS_NO_ADDR_TO_SET</userType>
        <baseType>FAIL</baseType>
        <description>No address to set.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10467</searchPattern>
        <userType>BNS_DMI_REF_NE_ROUTE</userType>
        <baseType>FAIL</baseType>
        <description>DMI is referenced {0,choice,0#bla|1#once|2#{0} times}
by routing NE routing entries.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>

```

```

        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10468</searchPattern>
    <userType>BNS_ROUTE_ENT_EXISTS</userType>
    <baseType>FAIL</baseType>
    <description>Rounting entry already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10469</searchPattern>
    <userType>BNS_ROUTING_ENT_REF</userType>
    <baseType>FAIL</baseType>
    <description>Routing entry is referenced.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10501</searchPattern>
    <userType>BNS_HOST_NE_ST_WITH</userType>
    <baseType>FAIL</baseType>
    <description>Hosting NE name should start with a letter or digit and
should not contain percentages, quotes, double quotes, backslashes and the
character sequence.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10502</searchPattern>
    <userType>BNS_HOST_NE_NAM_NULL</userType>
    <baseType>FAIL</baseType>
    <description>Hosting NE name must not be null.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10503</searchPattern>
    <userType>BNS_HOST_NE_NAM_EMP</userType>

```

```
        <baseType>FAIL</baseType>
        <description>Hosting NE name must not be empty.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10504</searchPattern>
        <userType>BNS_HOST_NE_NAM_LONG</userType>
        <baseType>FAIL</baseType>
        <description>Hosting NE name is too long.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10507</searchPattern>
        <userType>BNS_NODE_ADDR_MC_DEL</userType>
        <baseType>FAIL</baseType>
        <description>All nodes, addresses, and mediaCodecs for this hosting
NE will be deleted.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10508</searchPattern>
        <userType>BNS_NODE_ID_OUT_RANG</userType>
        <baseType>FAIL</baseType>
        <description>Node ID is out of range [0,9].</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10512</searchPattern>
        <userType>BNS_DEF_NE_NOT_DEL</userType>
        <baseType>FAIL</baseType>
        <description>Cannot delete default hosting NE node.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
```



```

        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10513</searchPattern>
    <userType>BNS_HOST_NE_REF_SYS</userType>
    <baseType>FAIL</baseType>
    <description>Hosting NE node: {0} {1} is referenced in the system.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10516</searchPattern>
    <userType>BNS_NO_ADDR_TO_DEL</userType>
    <baseType>FAIL</baseType>
    <description>No address to delete.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10518</searchPattern>
    <userType>BNS_NO_ADDR_TO_SET</userType>
    <baseType>FAIL</baseType>
    <description>No address to set.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10519</searchPattern>
    <userType>BNS_ALL_ADDR_NE_DEL</userType>
    <baseType>FAIL</baseType>
    <description>All associated addresses for this hosting NE node will
be deleted.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10521</searchPattern>
    <userType>BNS_UNKNOWN_TRAN_TYP</userType>
    <baseType>FAIL</baseType>
    <description>Unknown transport type.</description>

```

```
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10551</searchPattern>
  <userType>BNS_RES_NE_START_WIT</userType>
  <baseType>FAIL</baseType>
  <description>Resource NE name should start with a letter or digit
and should not contain percentages, quotes, double quotes, backslashes and
the character sequence.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10552</searchPattern>
  <userType>BNS_RES_NE_NAME_NULL</userType>
  <baseType>FAIL</baseType>
  <description>Resource NE name must not be null.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10553</searchPattern>
  <userType>BNS_RES_NE_NAME_EMP</userType>
  <baseType>FAIL</baseType>
  <description>Resource NE name must not be empty.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10554</searchPattern>
  <userType>BNS_RES_NE_NAME_LONG</userType>
  <baseType>FAIL</baseType>
  <description>Resource NE name is too long.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
```

```

        </neDescriptor>
        <searchPattern>10555</searchPattern>
        <userType>BNS_RES_NE_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>Resource NE: {0} already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10556</searchPattern>
        <userType>BNS_ENT_ROU_NE_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Entry for routing NE: {0} already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10557</searchPattern>
        <userType>BNS_ADDR_ASS_RES_NE</userType>
        <baseType>FAIL</baseType>
        <description>This address is already assigned to this Resource NE.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10558</searchPattern>
        <userType>BNS_ENT_NE_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>Entry for routing NE: {0} does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10559</searchPattern>
        <userType>BNS_ADDR_NOT_ASS_RES</userType>
        <baseType>FAIL</baseType>
        <description>This address is not assigned to this Resource NE.</
description>
    </userDefinedExitType>

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```
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10560</searchPattern>
  <userType>BNS_NOT_MOD_MORE_ONE</userType>
  <baseType>FAIL</baseType>
  <description>Cannot modify more than one selection entry at a
time.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10561</searchPattern>
  <userType>BNS_ALL_ENT_ADDR_DEL</userType>
  <baseType>FAIL</baseType>
  <description>All associated media server selection entries,
addresses, and mediaCodecs will be deleted.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10562</searchPattern>
  <userType>BNS_RES_NE_REFER_SYS</userType>
  <baseType>FAIL</baseType>
  <description>Resource NE: {0} is referenced in the system.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10563</searchPattern>
  <userType>BNS_RES_NE_NOT_MEDIA</userType>
  <baseType>FAIL</baseType>
  <description>Resource NE: {0} is not a Media Server.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
```

```

        </neDescriptor>
        <searchPattern>10564</searchPattern>
        <userType>BNS_RES_NE_NOT_SIMPL</userType>
        <baseType>FAIL</baseType>
        <description>Resource NE: {0} is not a SIMPLE Server.</description>
    </userDefinedExitType>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10565</searchPattern>
    <userType>BNS_NO_ADDR_TO_SET</userType>
    <baseType>FAIL</baseType>
    <description>No address to set.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10566</searchPattern>
    <userType>BNS_ALL_ADDR_MC_DEL</userType>
    <baseType>FAIL</baseType>
    <description>All associated addresses and mediaCodecs will be
deleted.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10567</searchPattern>
    <userType>BNS_SET_APP_MED_SERV</userType>
    <baseType>FAIL</baseType>
    <description>Services settings only apply to Media Servers.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10568</searchPattern>
    <userType>BNS_SERVIC_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description>Service does not exist.</description>
</userDefinedExitType>

```

```
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10569</searchPattern>
  <userType>BNS_SER_MAP_MED_SERV</userType>
  <baseType>FAIL</baseType>
  <description>Service is already mapped to Media Server.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10601</searchPattern>
  <userType>BNS_CAR_REF_COUN_COD</userType>
  <baseType>FAIL</baseType>
  <description>Carrier is referenced {0,choice,0#bla|1#once|2#{0
times} in Country Codes.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10650</searchPattern>
  <userType>BNS_ROU_PRO_NOT_EXIS</userType>
  <baseType>FAIL</baseType>
  <description>Routing Profile does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10700</searchPattern>
  <userType>BNS_LOC_CODE_EMPTY</userType>
  <baseType>FAIL</baseType>
  <description>Location code will be empty.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
```

```

        <searchPattern>10701</searchPattern>
        <userType>BNS_LOC_CODE_DEL</userType>
        <baseType>FAIL</baseType>
        <description>Location code will be deleted.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10702</searchPattern>
        <userType>BNS_NORT_LOC_1NPANXX</userType>
        <baseType>FAIL</baseType>
        <description>North American locations should be in 1NPANXX format.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10703</searchPattern>
        <userType>BNS_INV_NNACL_COUNTR</userType>
        <baseType>FAIL</baseType>
        <description>{0} is not a valid entry the current NNACL file for
country: 1 ({1}).</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10704</searchPattern>
        <userType>BNS_LOC_BEG_VAL_CODE</userType>
        <baseType>FAIL</baseType>
        <description>Location has to begin with a valid country code.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10705</searchPattern>
        <userType>BNS_LOC_COD_PAR_COUN</userType>
        <baseType>FAIL</baseType>
        <description>This location code is parsed as: Country: {0} ({1}) ,
National location: {2}.</description>

```

```
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10750</searchPattern>
  <userType>BNS_OP_TAKE_FEW_SECS</userType>
  <baseType>FAIL</baseType>
  <description>The {0} operation may take few seconds. The test is
going to be performed on the following addresses.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10751</searchPattern>
  <userType>BNS_UNKNOWN_HOST_NE</userType>
  <baseType>FAIL</baseType>
  <description>Unknown HostingNe.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10752</searchPattern>
  <userType>BNS_UNKNOWN_ROUTE_NE</userType>
  <baseType>FAIL</baseType>
  <description>Unknown RoutingNe.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10753</searchPattern>
  <userType>BNS_UNKNOWN_RES_NE</userType>
  <baseType>FAIL</baseType>
  <description>Unknown ResourceNe.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
```



```
<searchPattern>10754</searchPattern>
<userType>BNS_UNKNOWN_DEV_TYPE</userType>
<baseType>FAIL</baseType>
<description>Unknown device type received.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10755</searchPattern>
  <userType>BNS_INVALID_COMMAND</userType>
  <baseType>FAIL</baseType>
  <description>Invalid command.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10800</searchPattern>
  <userType>BNS_SITE_EXISTS_ENT</userType>
  <baseType>FAIL</baseType>
  <description>Site is already exists in enterprise.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10802</searchPattern>
  <userType>BNS_DEF_SITE_NOT_DEL</userType>
  <baseType>FAIL</baseType>
  <description>Default site cannot be deleted.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10803</searchPattern>
  <userType>BNS_SITE_ID_EMPTY</userType>
  <baseType>FAIL</baseType>
  <description>Site ID must not be empty.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
```

```

        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10804</searchPattern>
    <userType>BNS_SITE_ID_NULL</userType>
    <baseType>FAIL</baseType>
    <description>Site ID must not be null.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10805</searchPattern>
    <userType>BNS_SITE_ID_TOO_LONG</userType>
    <baseType>FAIL</baseType>
    <description>Site ID is too long.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10806</searchPattern>
    <userType>BNS_SITE_ID_STAR_DGT</userType>
    <baseType>FAIL</baseType>
    <description>Site ID must start with a letter or digit.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10807</searchPattern>
    <userType>BNS_SITE_ID_CONTAINS</userType>
    <baseType>FAIL</baseType>
    <description>Site ID must not contain percentages, quotes,
apostrophes backslashes and the :: character sequence.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10808</searchPattern>
    <userType>BNS_SITE_ENT_REF_SYS</userType>
    <baseType>FAIL</baseType>

```

```

        <description>Site in enterprise is referenced in the system.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10809</searchPattern>
        <userType>SITE_REF_BY_HOST_NE</userType>
        <baseType>FAIL</baseType>
        <description>Site is referenced {0,choice,0#bla|1#once|2#{0} times}
by Hosting NEs.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10810</searchPattern>
        <userType>SITE_REFERER_BY_DN</userType>
        <baseType>FAIL</baseType>
        <description>Site is referenced {0,choice,0#bla|1#once|2#{0} times}
by DNs.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10811</searchPattern>
        <userType>SITE_REF_BY_URL</userType>
        <baseType>FAIL</baseType>
        <description>Site is referenced {0,choice,0#bla|1#once|2#{0} times}
by URLs.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10812</searchPattern>
        <userType>SITE_REF_BY_EXTENS</userType>
        <baseType>FAIL</baseType>
        <description>Site is referenced {0,choice,0#bla|1#once|2#{0} times}
by Extensions.</description>
    </userDefinedExitType>
    <userDefinedExitType>

```

```
<neDescriptor>
  <softwareLoad>14-0</softwareLoad>
  <technology>BNS</technology>
  <neVendor>BROADSOFT</neVendor>
</neDescriptor>
<searchPattern>10850</searchPattern>
<userType>BNS_HOST_NAME_EXISTS</userType>
<baseType>FAIL</baseType>
<description>Hostname already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10851</searchPattern>
  <userType>BNS_HOST_NAM_NOT_FOU</userType>
  <baseType>FAIL</baseType>
  <description>Hostname not found.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10900</searchPattern>
  <userType>BNS_LCA_ID_REF_SYS</userType>
  <baseType>FAIL</baseType>
  <description>Local Calling Area ID {0} is referenced in the
system.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10901</searchPattern>
  <userType>BNS_LCA_REF_ENT_USR</userType>
  <baseType>FAIL</baseType>
  <description>LCA ID is referenced {0,choice,0#bla|1#once|2#{0}
times} by Enterprises and User Groups.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10902</searchPattern>
```

```

        <userType>BNS_LCA_ID_REF_LCA</userType>
        <baseType>FAIL</baseType>
        <description>LCA ID is referenced {0,choice,0#bla|1#once|2#{0}
times} by Local Calling Areas.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10903</searchPattern>
        <userType>BNS_LCA_ID_REF_NDC</userType>
        <baseType>FAIL</baseType>
        <description>LCA ID is referenced {0,choice,0#bla|1#once|2#{0}
times} by National Destination Codes.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10905</searchPattern>
        <userType>BNS_LCA_ID_EXIS_LATA</userType>
        <baseType>FAIL</baseType>
        <description>LCA Id already exists in LCAs based on LATA/Rate
Centers.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10906</searchPattern>
        <userType>BNS_LCA_ID_EXIS_CODE</userType>
        <baseType>FAIL</baseType>
        <description>LCA Id already exists in country code.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10911</searchPattern>
        <userType>BNS_RATE_CEN_REF_SYS</userType>
        <baseType>FAIL</baseType>
        <description>Rate Center {0}, in Zone {1}, in Country Code {2}, is
referenced in the system.</description>
    </userDefinedExitType>

```

```

<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10912</searchPattern>
  <userType>BNS_RATE_CEN_REF_LCA</userType>
  <baseType>FAIL</baseType>
  <description>Rate Center is referenced {0,choice,0#bla|1#once|2#{0}
times} by Local Calling Areas.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10913</searchPattern>
  <userType>BNS_RATE_CEN_REF_NDC</userType>
  <baseType>FAIL</baseType>
  <description>Rate Center is referenced {0,choice,0#bla|1#once|2#{0}
times} by National Destination Codes.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10914</searchPattern>
  <userType>BNS_RAT_CEN_EXIS_COD</userType>
  <baseType>FAIL</baseType>
  <description>Zone/Rate Center already exists in country code.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10915</searchPattern>
  <userType>BNS_RATE_CEN_NOT_COD</userType>
  <baseType>FAIL</baseType>
  <description>Zone/Rate Center does not exist in country code.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>

```

```

        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10921</searchPattern>
    <userType>BNS_ZONE_COD_REF_SYS</userType>
    <baseType>FAIL</baseType>
    <description>Zone {0}, in Country Code {1}, is referenced in the
system.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10922</searchPattern>
    <userType>BNS_ZONE_REFER_LCA</userType>
    <baseType>FAIL</baseType>
    <description>Zone is referenced {0,choice,0#bla|1#once|2#{0} times}
by Local Calling Areas.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10923</searchPattern>
    <userType>BNS_ZONE_EXISTS_CODE</userType>
    <baseType>FAIL</baseType>
    <description>Zone already exists in country code.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10924</searchPattern>
    <userType>BNS_ZONE_NOT_IN_CODE</userType>
    <baseType>FAIL</baseType>
    <description>Zone does not exist in country code.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10931</searchPattern>
    <userType>BNS_UNKNOWN_POLI_WEC</userType>
    <baseType>FAIL</baseType>
    <description>Unknown policy.</description>

```

```
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10934</searchPattern>
  <userType>BNS_UNLICENSED_POLIC</userType>
  <baseType>FAIL</baseType>
  <description>Unlicensed policy.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10935</searchPattern>
  <userType>BNS_INS_ALREA_EXISTS</userType>
  <baseType>FAIL</baseType>
  <description>{0} instance already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10936</searchPattern>
  <userType>BNS_INS_NOT_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>{0} instance does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10937</searchPattern>
  <userType>BNS_INSS_NOT_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>{0} instances do not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10941</searchPattern>
```



```

        <userType>BNS_PROFILE_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>Profile already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10942</searchPattern>
        <userType>BNS_INS_POL_EXIS_PRO</userType>
        <baseType>FAIL</baseType>
        <description>An instance of a policy already exists for this
profile. The instance needs to be deleted first.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10943</searchPattern>
        <userType>BNS_PRO_USE_NOT_ALL</userType>
        <baseType>FAIL</baseType>
        <description>Profile in use, delete not allowed.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10951</searchPattern>
        <userType>BNS_TREAT_MAP_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>Treatment Mapping already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10952</searchPattern>
        <userType>BNS_TREAT_MAP_NOT_EX</userType>
        <baseType>FAIL</baseType>
        <description>Treatment Mapping does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>

```

```
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10953</searchPattern>
    <userType>BNS_TRY_DEL_SYS_DEF</userType>
    <baseType>FAIL</baseType>
    <description>Trying to delete system defined treatment.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10954</searchPattern>
    <userType>BNS_TRE_MAP_USED_SYS</userType>
    <baseType>FAIL</baseType>
    <description>Treatment Mapping used in the system.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10961</searchPattern>
    <userType>BNS_NDC_EXISTS</userType>
    <baseType>FAIL</baseType>
    <description>NDC already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10962</searchPattern>
    <userType>BNS_NDC_NOT_EXIST</userType>
    <baseType>FAIL</baseType>
    <description>NDC does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10963</searchPattern>
    <userType>BNS_CHAR_FOUND_NDC</userType>
    <baseType>FAIL</baseType>
    <description>Character other than 0-9 found in NDC.</description>
```

```

</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10971</searchPattern>
  <userType>BNS_CALL_TYPE_EXISTS</userType>
  <baseType>FAIL</baseType>
  <description>CallType already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10972</searchPattern>
  <userType>BNS_CAL_TYP_NOT_EXIS</userType>
  <baseType>FAIL</baseType>
  <description>CallType does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10973</searchPattern>
  <userType>BNS_CALL_TYP_USE_SYS</userType>
  <baseType>FAIL</baseType>
  <description>Call type {0} still in use in the system.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10974</searchPattern>
  <userType>BNS_CAL_SYS_NOT_DEL</userType>
  <baseType>FAIL</baseType>
  <description>System defined call types cannot be deleted.</
description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>

```

```
<searchPattern>10981</searchPattern>
<userType>BNS_DOMAIN_EXISTS</userType>
<baseType>FAIL</baseType>
<description>Domain already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10982</searchPattern>
  <userType>BNS_DOMAIN_NOT_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>Domain does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10983</searchPattern>
  <userType>BNS_DOM_USE_BY_SYS</userType>
  <baseType>FAIL</baseType>
  <description>Domain still in use in the system.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10992</searchPattern>
  <userType>BNS_URL_NOT_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>Url does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
    <technology>BNS</technology>
    <neVendor>BROADSOFT</neVendor>
  </neDescriptor>
  <searchPattern>10993</searchPattern>
  <userType>BNS_LOG_ID_URL_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>LoginId Url already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>14-0</softwareLoad>
```

```

        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>10994</searchPattern>
    <userType>BNS_LOG_ID_URL_CONF</userType>
    <baseType>FAIL</baseType>
    <description>LoginId Url: {0} is in conflict with an adminId for
hosting NE: {1}.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16000</searchPattern>
    <userType>BNS_ALL_NODE_WEB_DEL</userType>
    <baseType>FAIL</baseType>
    <description>All nodes and addresses for this Web Server Farm will
be deleted..</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16001</searchPattern>
    <userType>BNS_WEB_FAR_NOT_EXIS</userType>
    <baseType>FAIL</baseType>
    <description>Web Server Farm does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16002</searchPattern>
    <userType>BNS_WEB_FARM_EXISTS</userType>
    <baseType>FAIL</baseType>
    <description>Web Server Farm already exists.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16003</searchPattern>
    <userType>BNS_WEB_FARM_REF_SYS</userType>
    <baseType>FAIL</baseType>

```

```
        <description>Web Server Farm is referenced in the system.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16004</searchPattern>
        <userType>BNS_WEB_NODE_REF_SYS</userType>
        <baseType>FAIL</baseType>
        <description>Web Server Farm node is referenced in the system.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16005</searchPattern>
        <userType>BNS_WEB_FA_NO_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>Web Server Farm node already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16006</searchPattern>
        <userType>BNS_WEB_SERV_NAME_ST</userType>
        <baseType>FAIL</baseType>
        <description>Web Server Farm name should start with a letter or
digit and should not contain percentages, quotes, double quotes, backslashes
and the :: character sequence.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16007</searchPattern>
        <userType>BNS_WEB_SER_FARM_NUL</userType>
        <baseType>FAIL</baseType>
        <description>Web Server Farm name must not be null.</description>
    </userDefinedExitType>
</userDefinedExitType>
<neDescriptor>
```

```

        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16008</searchPattern>
    <userType>BNS_WEB_SER_FARM_EMP</userType>
    <baseType>FAIL</baseType>
    <description>Web Server Farm name must not be empty.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16009</searchPattern>
    <userType>BNS_WEB_SER_FAR_LONG</userType>
    <baseType>FAIL</baseType>
    <description>Web Server Farm name is too long.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16010</searchPattern>
    <userType>BNS_ADDR_WSFNODE_DEL</userType>
    <baseType>FAIL</baseType>
    <description>All associated addresses for this Web Server Farm node
will be deleted.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16011</searchPattern>
    <userType>BNS_WSF_NOD_NOT_EXIS</userType>
    <baseType>FAIL</baseType>
    <description>Web Server Farm node does not exist.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16012</searchPattern>
    <userType>BNS_ADD_ASS_WSF_NODE</userType>
    <baseType>FAIL</baseType>

```

```
        <description>This address is already assigned to this Web Server
Farm node.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16013</searchPattern>
        <userType>BNS_DEL_LAS_NODE_WSF</userType>
        <baseType>FAIL</baseType>
        <description>delete the last node for this Web Server Farm.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16014</searchPattern>
        <userType>BNS_ADD_NOT_EXIS_WSF</userType>
        <baseType>FAIL</baseType>
        <description>Address does not exist for Web Server Farm node.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16015</searchPattern>
        <userType>BNS_WSF_ADDR_NOT_SUP</userType>
        <baseType>FAIL</baseType>
        <description>Web Server Farm address type not supported for
address.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16050</searchPattern>
        <userType>BNS_INV_LEN_IN_ELEM</userType>
        <baseType>FAIL</baseType>
        <description>Invalid value length for value in element. Allowed
range is [{2} to {3}].</description>
    </userDefinedExitType>
</userDefinedExitType>
```



```

    <neDescriptor>
      <softwareLoad>14-0</softwareLoad>
      <technology>BNS</technology>
      <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16051</searchPattern>
    <userType>BNS_RES_CONT_FIR_100</userType>
    <baseType>SOFT_FAIL</baseType>
    <description>elementStartIndex and numberOfElements not specified in
request. The response contains only the first 100 entries.</description>
  </userDefinedExitType>
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>14-0</softwareLoad>
      <technology>BNS</technology>
      <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16052</searchPattern>
    <userType>BNS_RES_CONT_FIR_100</userType>
    <baseType>SOFT_FAIL</baseType>
    <description>elementStartIndex not specified in request. The
response contains only the first 100 entries.</description>
  </userDefinedExitType>
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>14-0</softwareLoad>
      <technology>BNS</technology>
      <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16053</searchPattern>
    <userType>BNS_RES_CONT_FIR_100</userType>
    <baseType>SOFT_FAIL</baseType>
    <description>numberOfElements not specified in request. The response
contains only the first 100 entries.</description>
  </userDefinedExitType>
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>14-0</softwareLoad>
      <technology>BNS</technology>
      <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16054</searchPattern>
    <userType>BNS_NUM_ELE_TOO_LARGE</userType>
    <baseType>SOFT_FAIL</baseType>
    <description>numberOfElements is too large. The response contains a
maximum of 100 entries.</description>
  </userDefinedExitType>
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>14-0</softwareLoad>
      <technology>BNS</technology>
      <neVendor>BROADSOFT</neVendor>

```

```
        </neDescriptor>
        <searchPattern>16055</searchPattern>
        <userType>BNS_NARROW_UR_SEARCH</userType>
        <baseType>FAIL</baseType>
        <description>Please narrow your search, there are {0} matching
records.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16100</searchPattern>
        <userType>BNS_MED_NAM_EXIS_SYS</userType>
        <baseType>FAIL</baseType>
        <description>The media name {0} already exists in the system as a
media name or codec name.-</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16101</searchPattern>
        <userType>BNS_MED_REF_HOST_NE</userType>
        <baseType>FAIL</baseType>
        <description>The media name {0} cannot be deleted. It is referenced
by at least one Hosting NE.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16102</searchPattern>
        <userType>BNS_MED_REF_ROUTE_NE</userType>
        <baseType>FAIL</baseType>
        <description>The media name {0} cannot be deleted. It is referenced
by at least one Routing NE.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16103</searchPattern>
        <userType>BNS_MED_REF_RES_NE</userType>
        <baseType>FAIL</baseType>
```

```

        <description>The media name {0} cannot be deleted. It is referenced
by at least one Resource NE.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16104</searchPattern>
        <userType>BNS_MED_REF_SYS_TAB</userType>
        <baseType>FAIL</baseType>
        <description>The media name {0} cannot be deleted. It is still
referenced in the system by table {1}.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16105</searchPattern>
        <userType>BNS_MED_TYPE_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>The media type already exists in the system. </
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16106</searchPattern>
        <userType>BNS_MED_TYP_NOT_EXIS</userType>
        <baseType>FAIL</baseType>
        <description>The media name does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16107</searchPattern>
        <userType>BNS_MED_REF_CODECS</userType>
        <baseType>FAIL</baseType>
        <description>The media name cannot be deleted. It is referenced by
at least one codec name.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>

```

```
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16108</searchPattern>
    <userType>BNS_CODEC_EXISTS_SYS</userType>
    <baseType>FAIL</baseType>
    <description>The codec type with payload type and media type already
exists in the system.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16109</searchPattern>
    <userType>BNS_PAY_TYPE_DEF_SYS</userType>
    <baseType>FAIL</baseType>
    <description>The payload type is already defined in the system.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16110</searchPattern>
    <userType>BNS_HOST_NE_SUPP_MED</userType>
    <baseType>FAIL</baseType>
    <description>The Hosting NE already supports mediaCodec.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16111</searchPattern>
    <userType>BNS_DEL_FAIL_NO_SUPP</userType>
    <baseType>FAIL</baseType>
    <description>Delete failed. The Hosting NE does not currently
support mediaCodec.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
```

```

        <searchPattern>16112</searchPattern>
        <userType>BNS_CODEC_MED_EXISTS</userType>
        <baseType>FAIL</baseType>
        <description>The codec type with media type already exists in the
system.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16113</searchPattern>
        <userType>BNS_COD_NAM_EXIST_AS</userType>
        <baseType>FAIL</baseType>
        <description>The codec name already exists in the system as a media
name or codec name.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16114</searchPattern>
        <userType>BNS_CODEC_REF_HOS_NE</userType>
        <baseType>FAIL</baseType>
        <description>The codec name cannot be deleted. It is referenced by
at least one Hosting NE.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16115</searchPattern>
        <userType>BNS_CODEC_REF_ROU_NE</userType>
        <baseType>FAIL</baseType>
        <description>The codec name cannot be deleted. It is referenced by
at least one Routing NE.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16116</searchPattern>
        <userType>BNS_CODEC_REF_RES_NE</userType>
        <baseType>FAIL</baseType>

```

```
        <description>The codec name cannot be deleted. It is referenced by
at least one Resource NE.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16117</searchPattern>
        <userType>BNS_CODEC_REF_SYS_TB</userType>
        <baseType>FAIL</baseType>
        <description>The codec name cannot be deleted. It is still
referenced in the system by table.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16118</searchPattern>
        <userType>BNS_CODEC_NOT_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>The codec name does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16119</searchPattern>
        <userType>BNS_MED_COD_NOT_EXIS</userType>
        <baseType>FAIL</baseType>
        <description>The mediaCodec does not exist.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16120</searchPattern>
        <userType>BNS_ROU_NE_SUPPS_MED</userType>
        <baseType>FAIL</baseType>
        <description>The Routing NE already supports mediaCodec.</
description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
```

```

        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16121</searchPattern>
    <userType>BNS_RES_NE_SUPPS_MED</userType>
    <baseType>FAIL</baseType>
    <description>The Resource NE already supports mediaCodec.</
description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16122</searchPattern>
    <userType>BNS_DEL_FAIL_NOT_ROU</userType>
    <baseType>FAIL</baseType>
    <description>Delete failed. The Routing NE does not currently
support mediaCodec.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16123</searchPattern>
    <userType>BNS_DEL_FAIL_NOT_RES</userType>
    <baseType>FAIL</baseType>
    <description>Delete failed. The Resource NE does not currently
support mediaCodec.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16124</searchPattern>
    <userType>BNS_INVALID_NE_TYPE</userType>
    <baseType>FAIL</baseType>
    <description>Invalid network element type.</description>
</userDefinedExitType>
<userDefinedExitType>
    <neDescriptor>
        <softwareLoad>14-0</softwareLoad>
        <technology>BNS</technology>
        <neVendor>BROADSOFT</neVendor>
    </neDescriptor>
    <searchPattern>16125</searchPattern>
    <userType>BNS_MED_NAME_ST_WITH</userType>

```

```

        <baseType>FAIL</baseType>
        <description>The media name should start with a letter or digit and
should not contain percentages, commas, quotes, double quotes, backslashes
and the :: character sequence.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>16126</searchPattern>
        <userType>BNS_CODEC_NAM_ST_WIT</userType>
        <baseType>FAIL</baseType>
        <description>The codec name should start with a letter or digit and
should not contain percentages, commas, quotes, double quotes, backslashes
and the :: character sequence.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>10372</searchPattern>
        <userType>BNS_DN_ALREADY_EXIST</userType>
        <baseType>FAIL</baseType>
        <description>DN already exists.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*Unknown policy((?s).)* </searchPattern>
        <userType>BNS_UNKNOWN_POLICY</userType>
        <baseType>FAIL</baseType>
        <description>Unknown policy.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>14-0</softwareLoad>
            <technology>BNS</technology>
            <neVendor>BROADSOFT</neVendor>
        </neDescriptor>
        <searchPattern>((?s).)*Unknown exception type 0 on table
NET_HOSTING_NES((?s).)*</searchPattern>
        <userType>BNS_UNKNOWN_EXCEP_TY</userType>
        <baseType>FAIL</baseType>
        <description>Unknown exception type 0 on table NET_HOSTING_NES.</
description>

```



```
</userDefinedExitType>  
</serviceModel>
```


Service Definition

The BROADSOFT_BNS cartridge contains a set of CSDLs that map to one or more ASDL commands. You can also create additional CSDLs that map to existing and newly-created ASDLs. An upstream system can assemble any of these CSDL commands onto a work order for provisioning.

This chapter presents detailed information on the CSDL parameters that we provide in this cartridge. The following table lists and describes the type of parameter information that is included.

Table 163: ASDL parameter information

Item	Description
Parameter Name	Identifies the parameter that is configured for the stated service.
Description	Describes the parameter.
Range	Describes or lists the range of values that can be used to satisfy this parameter.
Default Value	Configures a default value for the parameter and it is not mandatory for the upstream system to provide a value.

Table 163: ASDL parameter information

Item	Description
Type	<p>Indicates one of the following parameter types:</p> <ul style="list-style-type: none"> ◆ S—Scalar, specifies the parameter label transmitted on the ASDL command. Scalar parameters are conventional name-value pair parameters. ◆ C—Compound, specifies the base name of the compound parameter transmitted on the ASDL command. A compound parameter contains structures or arrays of information that are represented by a particular structure name or compound parameter name. Each compound parameter can contain a large number of elements. If you use compound parameters, you only require a single entry in the ASAP translation tables to call the compound parameter and all its associated parameter elements. ◆ I—Indexed, identifies a parameter that contains a sequential numerical index value to tell the SARM that it should execute the same operation (for example, an ASDL command) for all occurrences of that index. Consequently, if there are several options on a particular CSDL command (OPT1, OPT2, OPT3, etc.), you can specify the OPT parameter as an indexed parameter. When you specify the OPT parameter as an indexed parameter, the SARM generates several occurrences of that same ASDL command and each command has a different value for the option being transmitted to the NEP. <p>For more information on parameter types, refer to the <i>ASAP Developer Reference</i>.</p>
Class	<p>Indicates one of the following parameter classifications:</p> <ul style="list-style-type: none"> ◆ R—Required scalar parameter ◆ O—Optional scalar parameter ◆ C—Required compound parameter ◆ N—Optional compound parameter ◆ M—Mandatory indexed parameter ◆ I—Optional indexed parameter ◆ S—Parameter count

For a detailed description of the Required and Optional parameter classifications, refer to the *ASAP Administration Guide*.

CSDL commands

This cartridge provides the following CSDL Commands:

- ◆ C_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST
- ◆ C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE
- ◆ C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN
- ◆ C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE
- ◆ C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR
- ◆ C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE
- ◆ C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE
- ◆ C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY
- ◆ C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY
- ◆ C_BROADSOFT-BNS_14-0_ADD_SITE
- ◆ C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN
- ◆ C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE
- ◆ C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES
- ◆ C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS
- ◆ C_BROADSOFT-BNS_14-0_ADD_USER-GROUP
- ◆ C_BROADSOFT-BNS_14-0_ASSIGN_ADDRESS
- ◆ C_BROADSOFT-BNS_14-0_ASSIGN_ADDRESSES
- ◆ C_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST
- ◆ C_BROADSOFT-BNS_14-0_DEL_ENTERPRISE
- ◆ C_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN
- ◆ C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE
- ◆ C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR
- ◆ C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE
- ◆ C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE
- ◆ C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE_DATA_ENTRY
- ◆ C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY
- ◆ C_BROADSOFT-BNS_14-0_DEL_SITE
- ◆ C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN
- ◆ C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE
- ◆ C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES
- ◆ C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS
- ◆ C_BROADSOFT-BNS_14-0_DEL_USER-GROUP

- ◆ C_BROADSOFT-BNS_14-0_MOD_ADDRESS
- ◆ C_BROADSOFT-BNS_14-0_MOD_ADDRESSES
- ◆ C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE
- ◆ C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN
- ◆ C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE
- ◆ C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR
- ◆ C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE
- ◆ C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE
- ◆ C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY
- ◆ C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY
- ◆ C_BROADSOFT-BNS_14-0_MOD_SITE
- ◆ C_BROADSOFT-BNS_14-0_MOD_USER-GROUP
- ◆ C_BROADSOFT-BNS_14-0_QRY_ALL-PRIVATE-POLICIES
- ◆ C_BROADSOFT-BNS_14-0_QRY_AUTHD-HOST
- ◆ C_BROADSOFT-BNS_14-0_QRY_CALL-TYPES
- ◆ C_BROADSOFT-BNS_14-0_QRY_CARRIERS
- ◆ C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE
- ◆ C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN
- ◆ C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMINS
- ◆ C_BROADSOFT-BNS_14-0_QRY_ENTERPRISES
- ◆ C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE
- ◆ C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-ADDR
- ◆ C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODE
- ◆ C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODES
- ◆ C_BROADSOFT-BNS_14-0_QRY_HOSTING-NES
- ◆ C_BROADSOFT-BNS_14-0_QRY_LCA-IDS
- ◆ C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE
- ◆ C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE-DATA-ENTRY
- ◆ C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-PROPERTIES-DATA-ENTRY
- ◆ C_BROADSOFT-BNS_14-0_QRY_RESOURCE-NE-ADDRS
- ◆ C_BROADSOFT-BNS_14-0_QRY_RESOURCE-NES
- ◆ C_BROADSOFT-BNS_14-0_QRY_SERVICE-PROVIDER-PROFILES
- ◆ C_BROADSOFT-BNS_14-0_QRY_SITE
- ◆ C_BROADSOFT-BNS_14-0_QRY_SITES
- ◆ C_BROADSOFT-BNS_14-0_QRY_TREATMENTS

- ◆ C_BROADSOFT-BNS_14-0_QRY_UNASSIGNED-DNS
- ◆ C_BROADSOFT-BNS_14-0_QRY_USER-GROUP
- ◆ C_BROADSOFT-BNS_14-0_QRY_USER-GROUPS
- ◆ C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESS
- ◆ C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESSES

C_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST

Authorizes a policy instance to use hosting NEs provisioned on the Network Server for routing.

Table 164: C_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST

Parameter Name	Description	Range	Default Value	Type	Class
AUTHORIZED_HOST	The hosting network element provisioned on the network server being authorized.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R
POLICY_NAME	The name of the policy. The valid values are FarEndHopOff or EntNGWRouting.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 165: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST	A_BROADSOFT-BNS_14-0_ADD_AUTHD-HOST

C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE

Adds an enterprise.

Table 166: C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
CALL_LOGGING	Flag to enable or disable the call logging feature. The value can be either true or false. If this is not specified, will be defaulted to false.			S	O
DESCRIPTION	Description about the enterprise.			S	O
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
INTERNATIONAL_CARRIER	International carrier ID.			S	O
INTER_LATA_CARRIER	Inter LATA carrier ID.			S	O
INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	O
LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O
NE_ID	The NE logical ID.			S	R
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O

Table 166: C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 167: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE	A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE

C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN

Adds a new enterprise administrator in the system.

Table 168: C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ENT_ADMIN_PASSWORD	Enterprise administrator password.			S	R
ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R

Table 168: C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
FIRST_NAME	Enterprise administrator first name. If not specified, first name of the administrator will be blank.			S	O
LAST_NAME	Enterprise administrator last name. If not specified, last name of the administrator will be blank.			S	O
NE_ID	The NE logical ID.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 169: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN	A_BROADSOFT-BNS_14-0_ADD_ENTERPRISE-ADMIN

C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Adds a new hosting network element in the system.

Table 170: C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
CALL_TYPE_INFO_REQUIRED	Flag to indicate whether the network element receives the call type and call category information transmitted by the network server. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
COUNTRY_CODE	Country code. If not specified, the hosting network element will not have a default country code. If specified, it must be a valid country code entry provisioned in the system.	The maximum length is 3 .FK validation: Must be an existing country code in the system.		S	R
DEF_ROUTING_ENTERPRISE	Default routing enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O

Table 170: C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
DEF_ROUTING_SITE	Default routing site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
DEF_SYNCH_ENTERPRISE	Default synchronization enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O
DEF_SYNCH_SITE	Default synchronization site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
E164_SUPPORT	Flag to indicate whether the E164 directory format needs to be supported or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O

Table 170: C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
FORKING_SUPPORT	Flag to indicate whether the network element supports parallel sending of SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
HOSTING_NE_NAME	Hosting network element name.			S	R
HOSTING_NE_TYPE	Type of the hosting network element. The value can be either broadworks or other. If not specified it will be defaulted to other.	The maximum length is 5 .Integer value in range (from 1024 to 65535). Special value of 1 is also allowed, indicating that the Network Server does not return the port in the list of contacts.		S	O
NE_ID	The NE logical ID.			S	R
PHONE_CONTEXT_SUPPORT	Flag to indicate whether the network element supports phone context in SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
POLL_REQUIRED	Flag to indicate whether the polling is required or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O

Table 170: C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
PROFILE_NAME	Profile name.	The maximum length is 12 FK validation: Must be an existing profile.		S	R
SOURCE_ID_SUPPORT	Flag to indicate whether the network element supports the originating trunk group (OTG) functionality. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
STATE	State of the hosting network element. The value can be either OffLine or OnLine. If not specified, it will be defaulted to OffLine.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 171: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE	A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE

C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR

Adds a new address for an existing hosting network element node in the system.

Table 172: C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
ADDRESS	Address for the network element node ID.			S	R
ADDRESS_TYPE	Address type value. The valid values are Signaling, Access, DualRouting and Alias. When the value Alias is provided, the system will use its predefined values for COST, WEIGHT and PORT.			S	R
COST	Cost value. Integer value between 1 to 9. This parameter is a mandatory one if the value for the parameter "ADDRESS_TYPE" was mentioned with either of the following "Signaling, Access, DualRouting".			S	O
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40. FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R
NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1. Integer value in range (from 0 to 9).		S	R

Table 172: C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
PORT_VALUE	Port value. The value can be in the range 1024 to 65535 or -1. If value -1 is specified, it is assumed that the port is not included in the list of contacts returned by the network server. If the value is not specified, the value is defaulted to 5060.			S	O
TRANSPORT	Transport type. It can take values udp, tcp or unspecified.			S	O
WEIGHT	Weight value. Integer value between 0 to 99. If this value is not specified, the value will be defaulted to 0.	The maximum length is 2. Integer value in range (from 0 to 99).		S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 173: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR	A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-ADDR

C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE

Adds a new node for an existing hosting network element in the system.

Table 174: C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
DEFAULT_NODE	Flag to indicate whether the node ID provided will be the default node ID for the hosting network element or not. The value can be either true or false. If the value is not specified, then it will be defaulted to false.			S	O
DESCRIPTION	Description about the network element node.			S	O
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
HOSTING_NE_VERSION	Hosting network element version. It can take alpha numeric values.			S	O
MIN_PATCH_LEVEL	Minimum patch level. It can take alpha numeric values.			S	O
NE_ID	The NE logical ID.			S	R
NODE_ID	Hosting network element node ID to be created. The valid values are 1 to 9. The node 0 is automatically created by the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
PATCH_LEVEL	Patch level. It can take alpha numeric values.	The maximum length is 30.		S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 175: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE	A_BROADSOFT-BNS_14-0_ADD_HOSTING-NE-NODE

C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE

Adds a private policy instance.

Table 176: C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE

Parameter Name	Description	Range	Default Value	Type	Class
ENABLED	The instance status. true or false		false	S	O
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The Broadworks Network Server identifier.			S	R
POLICY_NAME	The policy name. Must be one of following: EntNGWRouting, EntSIMPLE, EntSubLocation, ExtDialing, FarEndHopOff, voiceVPN, EntMediaSrvSel.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 177: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE	A_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE

C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Adds a private EntNGWRouting policy instance data entry to the system.

Table 178: C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
AUTHORIZED_HOST	The existing hosting NE, flagged as being an authorized host for the enterprise policy.			S	R
CALL_TYPE	The existing call type in the system.			S	R
COST	The relative cost of an address on a network element (NE) node or a Web Server Farm node. An integer between 1 - 9.			S	R
DESCRIPTION	The description of VPN routing data.			S	O
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Table 178: C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
EXTENSION_MAX	The maximum length of an extension. An integer between 0 - 100.			S	R
EXTENSION_MIN	The minimum length for an extension. An integer between 0 - 100.			S	R
GROUP_ID	The existing user group hosted on the hosting NE.			S	O
HOSTING_NE	The existing hosting NE in the system.	The maximum length is 40. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	O
LOCATION_CODE	The location code of a user group in an enterprise. A string between 1 - 15 characters.	The Max length is 1 to 15 characters		S	R
NE_ID	The Broadworks Network Server identifier.			S	R
OUT_DM	The digit manipulation string containing digit manipulation instructions. 0 - 80 characters.			S	R
SELECTOR	The SELECTOR can be one of the following values: PRIVATE, PUBLIC, ROUTE, or TRMT.			S	R

Table 178: C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
SITE	An existing site in the enterprise.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R
TREATMENT_ID	The treatment ID in the system.			S	O
WEIGHT	The relative weight of an address on a network element (NE) node or a Web Server Farm node. An integer between 0 - 99.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 179: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY	A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_DATA
	A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_DATA

C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY

Adds a private EntNGWRouting policy data entry to the system.

Table 180: C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
CALL_TYPE	The existing call type in the enterprise.			S	R
DESCRIPTION	The description of the routing properties data.			S	R
NE_ID	The Broadworks Network Server identifier.			S	R
TREATMENT_ID	The existing treatment ID in the system.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 181: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY	A_BROADSOFT-BNS_14-0_ADD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA
	A_BROADSOFT-BNS_14-0_ADD_VOICE_VPN_ROUTING_PROPERTIES_DATA

C_BROADSOFT-BNS_14-0_ADD_SITE

Adds an enterprise site.

Table 182: C_BROADSOFT-BNS_14-0_ADD_SITE

Parameter Name	Description	Range	Default Value	Type	Class
DESCRIPTION	Description about the site being created.			S	O
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
SITE_NAME	Name of the new site.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 183: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_SITE	A_BROADSOFT-BNS_14-0_ADD_SITE

C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN

Adds unassigned DN to the system.

Table 184: C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN

Parameter Name	Description	Range	Default Value	Type	Class
DN	DN to be added.			S	R
NE_ID	The NE logical ID.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 185: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN	A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN

C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE

Adds an unassigned DN range to the system.

Table 186: C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
FROM_DN	Start of the DN range.			S	R
NE_ID	The NE logical ID.			S	R

Table 186: C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
TO_DN	End of the DN range.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 187: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE	A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGE

C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES

Adds one or more unassigned DN ranges to the system.

Table 188: C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES

Parameter Name	Description	Range	Default Value	Type	Class
FROM_DN[++]	Start of the DN range.			I	M
NE_ID	The NE logical ID.			S	R
TO_DN[++]	End of the DN range.			I	M

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 189: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES	A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DN-RANGES

C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS

Adds one or more unassigned DNSs to the system.

Table 190: C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS

Parameter Name	Description	Range	Default Value	Type	Class
DN[++]	List of DNSs to be added.			I	M
NE_ID	The NE logical ID.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 191: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS	A_BROADSOFT-BNS_14-0_ADD_UNASSIGNED-DNS

C_BROADSOFT-BNS_14-0_ADD_USER-GROUP

Adds a user group associated with an existing enterprise and hosting network element.

Table 192: C_BROADSOFT-BNS_14-0_ADD_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40. FK validation: Must be an existing hosting NE in the system.		S	R

Table 192: C_BROADSOFT-BNS_14-0_ADD_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
INTERNATIONAL_CARRIER	International carrier ID.			S	O
INTER_LATA_CARRIER	Inter LATA carrier ID.			S	O
INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	O
LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O
NE_ID	The NE logical ID.			S	R
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 193: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ADD_USER-GROUP	A_BROADSOFT-BNS_14-0_ADD_USER-GROUP

C_BROADSOFT-BNS_14-0_ASSIGN_ADDRESS

Assigns a directory number and/or URL to an existing user group.

Table 194: C_BROADSOFT-BNS_14-0_ASSIGN_ADDRESS

Parameter Name	Description	Range	Default Value	Type	Class
DN	DN to be assigned.			S	R
FROM_DN	Start of the DN range.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40. FK validation: Must be an existing hosting NE in the system.		S	R
LOGIN_ID_IND	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			S	R
NE_ID	The NE logical ID.			S	R
SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O
TO_DN	End of the DN range.			S	R
URL	URL to be assigned.			S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 195: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ASSIGN_ADDRESS	A_BROADSOFT-BNS_14-0_ASSIGN_DN
	A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGE
	A_BROADSOFT-BNS_14-0_ASSIGN_URL

C_BROADSOFT-BNS_14-0_ASSIGN_ADDRESSES

Assigns one or more directory numbers and/or URLs to an existing user group.

Table 196: C_BROADSOFT-BNS_14-0_ASSIGN_ADDRESSES

Parameter Name	Description	Range	Default Value	Type	Class
DN[++]	List of DNs to be assigned.			I	M
FROM_DN[++]	Start of the DN range.			I	M
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
LOGIN_ID_IND[++]	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			I	M
NE_ID	The NE logical ID.			S	R

Table 196: C_BROADSOFT-BNS_14-0_ASSIGN_ADDRESSES

Parameter Name	Description	Range	Default Value	Type	Class
SITE_NAME[++]	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	I
TO_DN[++]	End of the DN range.			I	M
URL[++]	List of URLs to be assigned.			I	M
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 197: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_ASSIGN_ADDRESSES	A_BROADSOFT-BNS_14-0_ASSIGN_DNS
	A_BROADSOFT-BNS_14-0_ASSIGN_DN-RANGES
	A_BROADSOFT-BNS_14-0_ASSIGN_URLS

C_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST

Unauthorizes a policy instance to use hosting NEs provisioned on the Network Server for routing.

Table 198: C_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST

Parameter Name	Description	Range	Default Value	Type	Class
AUTHORIZED_HOST	The hosting network element provisioned on the network server which is authorized with the policy.			S	R
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ?, ? and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R
POLICY_NAME	The name of the policy. The valid values are FarEndHopOff or EntNGWRouting.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 199: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST	A_BROADSOFT-BNS_14-0_DEL_AUTHD-HOST

C_BROADSOFT-BNS_14-0_DEL_ENTERPRISE

Deletes an existing enterprise.

Table 200: C_BROADSOFT-BNS_14-0_DEL_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 201: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_ENTERPRISE	A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE

C_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN

Deletes an existing enterprise administrator from the system.

Table 202: C_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Table 202: C_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R
NE_ID	The NE logical ID.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 203: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN	A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN
	A_BROADSOFT-BNS_14-0_DEL_ENTERPRISE-ADMIN

C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE

Deletes an existing hosting network element from the system.

Table 204: C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 205: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE	A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE

C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR

Deletes an existing network element node address from the system.

Table 206: C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
ADDRESS	Address for the network element node ID.			S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R
NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 207: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR	A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-ADDR

C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE

Deletes an existing hosting network element node from the system.

Table 208: C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R
NODE_ID	Hosting network element node ID to be created. The valid values are 0 to 9. The default node ID cannot be deleted.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 209: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE	A_BROADSOFT-BNS_14-0_DEL_HOSTING-NE-NODE

C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE

Deletes a private policy instance.

Table 210: C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The Broadworks Network Server identifier.			S	R
POLICY_NAME	The policy name. Must be one of following: EntNGWRouting, EntSIMPLE, EntSubLocation, ExtDialing, FarEndHopOff, voiceVPN, EntMediaSrvSel.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 211: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE	A_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE

C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Deletes a private EntNGWRouting policy instance data entry from the system.

Table 212: C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
AUTHORIZED_HOST	The existing hosting NE flagged as being an authorized host for the enterprise policy.			S	R
CALL_TYPE	The existing call type in the enterprise.			S	R
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R
LOCATION_CODE	The location code of a user group in an enterprise. A string between 1 - 15 characters.			S	R
NE_ID	The Broadworks Network Server identifier.			S	R
SITE	The existing site in the enterprise.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 213: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_INSTANCE_DATA_ENTRY	A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_DATA
	A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_DATA

C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY

Deletes a private voiceVPN policy data entry from the system.

Table 214: C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
CALL_TYPE	The existing call type in the enterprise.			S	R
NE_ID	The Broadworks Network Server identifier.			S	R
TREATMENT_ID	The existing treatment ID in the system. Required if the selector is RMT.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 215: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY	A_BROADSOFT-BNS_14-0_DEL_VOICE_VPN_ROUTING_PROPERTIES_DATA
	A_BROADSOFT-BNS_14-0_DEL_ENTNGWROUTING_ROUTING_PROPERTIES_DATA

C_BROADSOFT-BNS_14-0_DEL_SITE

Deletes an existing enterprise site.

Table 216: C_BROADSOFT-BNS_14-0_DEL_SITE

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R
SITE_NAME	Name of the site to be queried.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 217: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_SITE	A_BROADSOFT-BNS_14-0_QRY_SITE
	A_BROADSOFT-BNS_14-0_DEL_SITE

C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN

Deletes an unassigned DN from the system.

Table 218: C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN

Parameter Name	Description	Range	Default Value	Type	Class
DN	DN to be deleted.			S	R
NE_ID	The NE logical ID.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 219: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN	A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN

C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE

Deletes an unassigned DN range from the system.

Table 220: C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
FROM_DN	Start of the DN range.			S	R

Table 220: C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
TO_DN	End of the DN range.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 221: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE	A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGE

C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES

Deletes one or more unassigned DN ranges from the system.

Table 222: C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES

Parameter Name	Description	Range	Default Value	Type	Class
FROM_DN[++]	Start of the DN range.			I	M
NE_ID	The NE logical ID.			S	R
TO_DN[++]	End of the DN range.			I	M

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 223: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES	A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DN-RANGES

C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS

Deletes one or more unassigned DNS from the system.

Table 224: C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS

Parameter Name	Description	Range	Default Value	Type	Class
DN[++]	List of DNSs to be deleted.			I	M
NE_ID	The NE logical ID.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 225: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS	A_BROADSOFT-BNS_14-0_DEL_UNASSIGNED-DNS

C_BROADSOFT-BNS_14-0_DEL_USER-GROUP

Deletes an existing user group associated with a hosting network element.

Table 226: C_BROADSOFT-BNS_14-0_DEL_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R

Table 226: C_BROADSOFT-BNS_14-0_DEL_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 227: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_DEL_USER-GROUP	A_BROADSOFT-BNS_14-0_QRY_USER-GROUP
	A_BROADSOFT-BNS_14-0_DEL_USER-GROUP

C_BROADSOFT-BNS_14-0_MOD_ADDRESS

Modifies the attributes of existing directory number and/or URL for an existing user group.

Table 228: C_BROADSOFT-BNS_14-0_MOD_ADDRESS

Parameter Name	Description	Range	Default Value	Type	Class
DN	DN to be assigned.			S	R
FROM_DN	Start of the DN range.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 228: C_BROADSOFT-BNS_14-0_MOD_ADDRESS

Parameter Name	Description	Range	Default Value	Type	Class
LOGIN_ID_IND	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			S	R
NE_ID	The NE logical ID.			S	R
SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O
TO_DN	End of the DN range.			S	R
URL	URL to be assigned.			S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 229: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_ADDRESS	A_BROADSOFT-BNS_14-0_MOD_DN
	A_BROADSOFT-BNS_14-0_MOD_DN-RANGE
	A_BROADSOFT-BNS_14-0_MOD_URL

C_BROADSOFT-BNS_14-0_MOD_ADDRESSES

Modifies the attributes of existing directory numbers and/or URLs for an existing user group.

Table 230: C_BROADSOFT-BNS_14-0_MOD_ADDRESSES

Parameter Name	Description	Range	Default Value	Type	Class
DN[++]	List of DNs to be assigned.			I	M
FROM_DN[++]	Start of the DN range.			I	M
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
LOGIN_ID_IND[++]	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			I	M
NE_ID	The NE logical ID.			S	R

Table 230: C_BROADSOFT-BNS_14-0_MOD_ADDRESSES

Parameter Name	Description	Range	Default Value	Type	Class
SITE_NAME[++]	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	I
TO_DN[++]	End of the DN range.			I	M
URL[++]	List of URLs to be assigned.			I	M
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 231: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_ADDRESSES	A_BROADSOFT-BNS_14-0_MOD_DNS
	A_BROADSOFT-BNS_14-0_MOD_DN-RANGES
	A_BROADSOFT-BNS_14-0_MOD_URLS

C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE

Modifies an existing enterprise.

Table 232: C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
CALL_LOGGING	Flag to enable or disable the call logging feature. The value can be either true or false. If this is not specified, will be defaulted to false.			S	O
DESCRIPTION	Description about the enterprise.			S	O
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
INTERNATIONAL_CARRIER	International carrier ID.			S	R
INTER_LATA_CARRIER	Inter LATA carrier ID.			S	R
INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	R
LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O
NE_ID	The NE logical ID.			S	R
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	R

Table 232: C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 233: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE	A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE

C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN

Modifies the properties of an existing enterprise administrator in the system.

Table 234: C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ENT_ADMIN_PASSWORD	Enterprise administrator password. If not specified, the password will be remained same as the old one.			S	O
ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R

Table 234: C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
FIRST_NAME	Enterprise administrator first name. If not specified, first name of the administrator will be blank.			S	O
LAST_NAME	Enterprise administrator last name. If not specified, last name of the administrator will be blank.			S	O
NE_ID	The NE logical ID.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 235: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN	A_BROADSOFT-BNS_14-0_MOD_ENTERPRISE-ADMIN

C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Modifies the properties of an existing hosting network element defined in the system.

Table 236: C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
CALL_TYPE_INFO_REQUIRED	Flag to indicate whether the network element receives call type and call category information transmitted by the network server. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
COUNTRY_CODE	Country code. If not specified, the hosting network element will not have a default country code. If specified, it must be a valid country code entry provisioned in the system.			S	R
DEF_ROUTING_ENTERPRISE	Default routing enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O

Table 236: C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
DEF_ROUTING_SITE	Default routing site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
DEF_SYNCH_ENTERPRISE	Default synchronization enterprise ID. The value must refer to a valid enterprise provisioned in the system. If it is not specified, it will be defaulted to NIL_ENTERPRISE.			S	O
DEF_SYNCH_SITE	Default synchronization site ID. The value must refer to a valid site provisioned in the enterprise identified in DEF_ROUTING_ENTERPRISE. If it is not specified, it will be defaulted to DFLT_SITE.			S	O
E164_SUPPORT	Flag to indicate whether the E164 directory format needs to be supported or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O

Table 236: C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
FORKING_SUPPORT	Flag to indicate whether the network element supports parallel sending of SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
HOSTING_NE_TYPE	Type of the hosting network element. The value can be either broadworks or other. If not specified it will be defaulted to other.	The maximum length is 5 .Integer value in range (from 1024 to 65535). Special value of 1 is also allowed, indicating that the Network Server does not return the port in the list of contacts.		S	O
NE_ID	The NE logical ID.			S	R
PHONE_CONTEXT_SUPPORT	Flag to indicate whether the network element supports phone context in SIP messages. The value can be either true or false. If not specified, it will be defaulted to false.			S	O

Table 236: C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
POLL_REQUIRED	Flag to indicate whether the polling is required or not. The value can be either true or false. If not specified it will be defaulted to false.			S	O
PROFILE_NAME	Profile name.	The maximum length is 12 FK validation: Must be an existing profile.		S	R
SOURCE_ID_SUPPORT	Flag to indicate whether the network element supports the originating trunk group (OTG) functionality. The value can be either true or false. If not specified, it will be defaulted to false.			S	O
STATE	State of the hosting network element. The value can be either OffLine or OnLine. If not specified, it will be defaulted to OffLine.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 237: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE	A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE

C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR

Modifies an existing network element node address defined in the system.

Table 238: C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
ADDRESS	Address for the network element node ID.			S	R
ADDRESS_TYPE	Address type value. The valid values are Signaling, Access, DualRouting and Alias. When the value Alias is provided, the system will use its predefined values for COST, WEIGHT and PORT.			S	R
COST	Cost value. Integer value between 1 to 9. This parameter is a mandatory one if the value for the parameter "ADDRESS_TYPE" was mentioned with either of the following "Signaling, Access, DualRouting".			S	O
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40. FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R
NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1. Integer value in range (from 0 to 9).		S	R

Table 238: C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
PORT_VALUE	Port value. The value can be in the range 1024 to 65535 or -1. If value -1 is specified, it is assumed that the port is not included in the list of contacts returned by the network server. If the value is not specified, the value is defaulted to 5060.			S	O
TRANSPORT	Transport type. It can take values udp, tcp or unspecified.			S	O
WEIGHT	Weight value. Integer value between 0 to 99. If this value is not specified, the value will be defaulted to 0.	The maximum length is 2. Integer value in range (from 0 to 99).		S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 239: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR	A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-ADDR

C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE

Modifies an existing hosting network element node defined in the system.

Table 240: C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
DEFAULT_NODE	Flag to indicate whether the node ID provided will be the default node ID for the hosting network element or not. The value can be either true or false. If the value is not specified, then it will be defaulted to false.			S	O
DESCRIPTION	Description about the network element node.			S	O
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
HOSTING_NE_VERSION	Hosting network element version. It can take alpha numeric values.	The maximum length is 30.		S	O
MIN_PATCH_LEVEL	Minimum patch level. It can take alpha numeric values.			S	O
NE_ID	The NE logical ID.			S	R
NODE_ID	Hosting network element node ID to be created. The valid values are 1 to 9. The node 0 is automatically created by the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
PATCH_LEVEL	Patch level. It can take alpha numeric values.	The maximum length is 30.		S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 241: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE	A_BROADSOFT-BNS_14-0_MOD_HOSTING-NE-NODE

C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE

Modifies a private policy instance.

Table 242: C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE

Parameter Name	Description	Range	Default Value	Type	Class
ENABLED	The instance status. true or false.		false	S	O
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The Broadworks Network Server identifier.			S	R
POLICY_NAME	The policy name. Must be one of following: EntNGWRouting, EntSIMPLE, EntSubLocation, ExtDialing, FarEndHopOff, voiceVPN, EntMediaSrvSel.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 243: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE	A_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE

C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Modifies a private EntNGWRouting policy instance data entry from the system.

Table 244: C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
AUTHORIZED_HOST	The existing hosting NE flagged as being an authorized host for the enterprise policy.			S	R
CALL_TYPE	The existing call type in the enterprise.			S	R
COST	The relative cost of an address on a network element (NE) node or a Web Server Farm node. An integer between 1 - 9.			S	R
DESCRIPTION	The description of VPN routing data.			S	O
ENTERPRISE	The enterprise name.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Table 244: C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
EXTENSION_MAX	The maximum length of an extension. An integer between 0 - 100.			S	R
EXTENSION_MIN	The minimum length of an extension. An integer between 0 - 100.			S	R
GROUP_ID	The existing user group hosted on the hosting NE.			S	O
HOSTING_NE	The existing hosting NE in the system.	The maximum length is 40. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O
LOCATION_CODE	The location code of a user group in an enterprise. A string between 1 - 15 characters.			S	R
NE_ID	The Broadworks Network Server identifier.			S	R
OUT_DM	The digit manipulation string containing digit manipulation instructions. Between 0 - 80 characters.			S	R
SELECTOR	The SELECTOR can be one of the following values: PRIVATE, PUBLIC, ROUTE, or TRMT.			S	R

Table 244: C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
SITE	The existing site in the enterprise.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
TREATMENT_ID	The existing treatment ID in the system.			S	O
WEIGHT	The relative weight of an address on a network element (NE) node or a Web Server Farm node. An integer between 0 - 99.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 245: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_INSTANCE_DATA_ENTRY	A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_DATA
	A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_DATA

C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY

Modifies a private EntNGWRouting policy data entry from the system.

Table 246: C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
CALL_TYPE	The existing call type in the enterprise.			S	R
DESCRIPTION	The description of the entngwrouting properties data.			S	R
NE_ID	The Broadworks Network Server identifier.			S	R
TREATMENT_ID	The existing treatment ID in the system. Required if selector is RMT.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 247: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_PRIVATE_POLICY_PROPERTIES_DATA_ENTRY	A_BROADSOFT-BNS_14-0_MOD_ENTNGWROUTING_ROUTING_PROPERTIES_DATA
	A_BROADSOFT-BNS_14-0_MOD_VOICE_VPN_ROUTING_PROPERTIES_DATA

C_BROADSOFT-BNS_14-0_MOD_SITE

Modifies an existing enterprise site.

Table 248: C_BROADSOFT-BNS_14-0_MOD_SITE

Parameter Name	Description	Range	Default Value	Type	Class
DESCRIPTION	Description about the site.			S	O
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
SITE_NAME	Name of the site to be modified.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 249: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_SITE	A_BROADSOFT-BNS_14-0_MOD_SITE

C_BROADSOFT-BNS_14-0_MOD_USER-GROUP

Modifies an existing user group.

Table 250: C_BROADSOFT-BNS_14-0_MOD_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
INTERNATIONAL_CARRIER	International carrier ID.			S	R
INTER_LATA_CARRIER	Inter LATA carrier ID.			S	R
INTRA_LATA_CARRIER	Intra LATA carrier ID.			S	R
LCA_ID	Local calling area ID.	The maximum length is 32.String (0 to 32 characters).		S	O
NE_ID	The NE logical ID.			S	R

Table 250: C_BROADSOFT-BNS_14-0_MOD_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
PROFILE_NAME	Existing routing profile name in the system.	The maximum length is 12 FK validation: Must be an existing profile.		S	O
SOURCE_ID	Source ID value or the Originating trunk group (OTG) value to which the site will be associated.	The maximum length is 128.String (0 to 128 characters).		S	O
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 251: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_MOD_USER-GROUP	A_BROADSOFT-BNS_14-0_MOD_USER-GROUP

C_BROADSOFT-BNS_14-0_QRY_ALL-PRIVATE-POLICIES

Queries the list of all private routing policies currently defined.

Table 252: C_BROADSOFT-BNS_14-0_QRY_ALL-PRIVATE-POLICIES

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O

Table 252: C_BROADSOFT-BNS_14-0_QRY_ALL-PRIVATE-POLICIES

Parameter Name	Description	Range	Default Value	Type	Class
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 253: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_ALL-PRIVATE-POLICIES	A_BROADSOFT-BNS_14-0_QRY_ALL-PRIVATE-POLICIES

C_BROADSOFT-BNS_14-0_QRY_AUTHD-HOST

Queries the list of all the authorized hosts for a policy instance.

Table 254: C_BROADSOFT-BNS_14-0_QRY_AUTHD-HOST

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R
POLICY_NAME	The name of the policy. The valid values are FarEndHopOff or EntNGWRouting.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O

Table 254: C_BROADSOFT-BNS_14-0_QRY_AUTHD-HOST

Parameter Name	Description	Range	Default Value	Type	Class
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 255: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_AUTHD-HOST	A_BROADSOFT-BNS_14-0_QRY_AUTHD-HOST

C_BROADSOFT-BNS_14-0_QRY_CALL-TYPES

Queries all existing call types.

Table 256: C_BROADSOFT-BNS_14-0_QRY_CALL-TYPES

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 257: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_CALL-TYPES	A_BROADSOFT-BNS_14-0_QRY_CALL-TYPES

C_BROADSOFT-BNS_14-0_QRY_CARRIERS

Queries all carriers currently defined on the network server.

Table 258: C_BROADSOFT-BNS_14-0_QRY_CARRIERS

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 259: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_CARRIERS	A_BROADSOFT-BNS_14-0_QRY_CARRIERS

C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE

Queries information about an existing enterprise.

Table 260: C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R

Table 260: C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE

Parameter Name	Description	Range	Default Value	Type	Class
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 261: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE	A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE

C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN

Queries the properties of an existing enterprise administrator in the system.

Table 262: C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ENT_ADMIN_USER_ID	Enterprise administrator user ID.			S	R
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O

Table 262: C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN

Parameter Name	Description	Range	Default Value	Type	Class
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 263: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN	A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMIN

C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMINS

Queries the properties of all existing enterprise administrators in the system.

Table 264: C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMINS

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 265: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMINS	A_BROADSOFT-BNS_14-0_QRY_ENTERPRISE-ADMINS

C_BROADSOFT-BNS_14-0_QRY_ENTERPRISES

Queries the information about all existing enterprises.

Table 266: C_BROADSOFT-BNS_14-0_QRY_ENTERPRISES

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 267: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_ENTERPRISES	A_BROADSOFT-BNS_14-0_QRY_ENTERPRISES

C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE

Queries the properties of an existing hosting network element defined in the system.

Table 268: C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NETWORK_ELEMENT_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O

Table 268: C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE

Parameter Name	Description	Range	Default Value	Type	Class
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 269: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE	A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE

C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-ADDR

Queries all addresses defined for an existing hosting network element node.

Table 270: C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-ADDR

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R
NODE_ID	Existing hosting network element node ID in the system.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 271: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-ADDR	A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-ADDR

C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODE

Queries the properties of an existing hosting network element node defined in the system.

Table 272: C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODE

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R
NODE_ID	Hosting network element node ID to be created. The valid values are 0 to 9. The default node ID can not be deleted.	The maximum length is 1.Integer value in range (from 0 to 9).		S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 273: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODE	A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODE

C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODES

Queries all existing hosting network element nodes defined in the system.

Table 274: C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODES

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 275: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODES	A_BROADSOFT-BNS_14-0_QRY_HOSTING-NE-NODES

C_BROADSOFT-BNS_14-0_QRY_HOSTING-NES

Queries the properties of all existing hosting network elements defined in the system.

Table 276: C_BROADSOFT-BNS_14-0_QRY_HOSTING-NES

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 277: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_HOSTING-NES	A_BROADSOFT-BNS_14-0_QRY_HOSTING-NES

C_BROADSOFT-BNS_14-0_QRY_LCA-IDS

Queries all local calling areas (LCAs) currently defined on the network server.

Table 278: C_BROADSOFT-BNS_14-0_QRY_LCA-IDS

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 279: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_LCA-IDS	A_BROADSOFT-BNS_14-0_QRY_LCA-IDS

C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE

Queries the attributes for a private policy instance assigned to an enterprise.

Table 280: C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R
POLICY_NAME	Existing routing policy name.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 281: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE	A_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE

C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE-DATA-ENTRY

Queries the enterprise policy instance data entries defined in the system.

Table 282: C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE-DATA-ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 283: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-INSTANCE-DATA-ENTRY	A_BROADSOFT-BNS_14-0_QRY_VOICE-VPN-ROUTING-DATA
	A_BROADSOFT-BNS_14-0_QRY_ENTNGWROUTING-ROUTING-DATA

C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-PROPERTIES-DATA-ENTRY

Queries the enterprise policy data entries defined in the system.

Table 284: C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-PROPERTIES-DATA-ENTRY

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 285: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_PRIVATE-POLICY-PROPERTIES-DATA-ENTRY	A_BROADSOFT-BNS_14-0_QRY_ENTNGWROUTING-ROUTING-PROPERTIES-DATA
	A_BROADSOFT-BNS_14-0_QRY_VOICE-VPN-ROUTING-PROPERTIES-DATA

C_BROADSOFT-BNS_14-0_QRY_RESOURCE-NE-ADDRS

Queries all the addresses for a resource network element specified.

Table 286: C_BROADSOFT-BNS_14-0_QRY_RESOURCE-NE-ADDRS

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
RESOURCE_NE_NAME	Resource network element name.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 287: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_RESOURCE-NE-ADDRS	A_BROADSOFT-BNS_14-0_QRY_RESOURCE-NE-ADDRS

C_BROADSOFT-BNS_14-0_QRY_RESOURCE-NES

Queries all the resource network elements currently provisioned in the system.

Table 288: C_BROADSOFT-BNS_14-0_QRY_RESOURCE-NES

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 289: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_RESOURCE-NES	A_BROADSOFT-BNS_14-0_QRY_RESOURCE-NES

C_BROADSOFT-BNS_14-0_QRY_SERVICE-PROVIDER-PROFILES

Queries all the public routing profiles currently defined on the network server.

Table 290: C_BROADSOFT-BNS_14-0_QRY_SERVICE-PROVIDER-PROFILES

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 291: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_SERVICE-PROVIDER-PROFILES	A_BROADSOFT-BNS_14-0_QRY_SERVICE-PROVIDER-PROFILES

C_BROADSOFT-BNS_14-0_QRY_SITE

Queries the information about an existing enterprise site.

Table 292: C_BROADSOFT-BNS_14-0_QRY_SITE

Parameter Name	Description	Range	Default Value	Type	Class
ENTERPRISE	The enterprise name. Must begin with an alphanumeric character.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
NE_ID	The NE logical ID.			S	R
SITE_NAME	Name of the site to be queried.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 293: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_SITE	A_BROADSOFT-BNS_14-0_QRY_SITE

C_BROADSOFT-BNS_14-0_QRY_SITES

Queries the information about all existing enterprise sites.

Table 294: C_BROADSOFT-BNS_14-0_QRY_SITES

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 295: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_SITES	A_BROADSOFT-BNS_14-0_QRY_SITES

C_BROADSOFT-BNS_14-0_QRY_TREATMENTS

Queries all the existing treatments.

Table 296: C_BROADSOFT-BNS_14-0_QRY_TREATMENTS

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 297: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_TREATMENTS	A_BROADSOFT-BNS_14-0_QRY_TREATMENTS

C_BROADSOFT-BNS_14-0_QRY_UNASSIGNED-DNS

Queries all the unassigned DNS (including the DN ranges) from the system.

Table 298: C_BROADSOFT-BNS_14-0_QRY_UNASSIGNED-DNS

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 299: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_UNASSIGNED-DNS	A_BROADSOFT-BNS_14-0_QRY_UNASSIGNED-DNS

C_BROADSOFT-BNS_14-0_QRY_USER-GROUP

Queries the information about an existing user group.

Table 300: C_BROADSOFT-BNS_14-0_QRY_USER-GROUP

Parameter Name	Description	Range	Default Value	Type	Class
HOSTING_NE_NAME	Hosting network element name.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
NE_ID	The NE logical ID.			S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 301: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_USER-GROUP	A_BROADSOFT-BNS_14-0_QRY_USER-GROUP

C_BROADSOFT-BNS_14-0_QRY_USER-GROUPS

Queries the information about all the existing user groups.

Table 302: C_BROADSOFT-BNS_14-0_QRY_USER-GROUPS

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID	The NE logical ID.			S	R
ELEMENT_START_INDEX	Specifies element starting index.			S	O
NUMBER_OF_ELEMENTS	Specifies number of elements to return.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 303: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_QRY_USER-GROUPS	A_BROADSOFT-BNS_14-0_QRY_USER-GROUPS

C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESS

Unassigns directory number and/or URL from an existing user group.

Table 304: C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESS

Parameter Name	Description	Range	Default Value	Type	Class
DN	DN to be unassigned.			S	R
FROM_DN	Start of the DN range.			S	R
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R

Table 304: C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESS

Parameter Name	Description	Range	Default Value	Type	Class
LOGIN_ID_IND	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			S	O
NE_ID	The NE logical ID.			S	R
SITE_NAME	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	O
TO_DN	End of the DN range.			S	R
URL	URL to be unassigned.			S	R
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 305: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESS	A_BROADSOFT-BNS_14-0_UNASSIGN_DN
	A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGE
	A_BROADSOFT-BNS_14-0_UNASSIGN_URL

C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESSES

Unassigns one or more directory numbers, and/or URLs from an existing user group.

Table 306: C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESSES

Parameter Name	Description	Range	Default Value	Type	Class
DN[++]	List of DNs to be unassigned.			I	M
FROM_DN[++]	Start of the DN range.			I	M
HOSTING_NE_NAME	Hosting network element name provisioned in the system.	The maximum length is 40.FK validation: Must be an existing hosting NE in the system.		S	R
LOGIN_ID_IND[++]	Login ID indicator. It can have values true or false. True indicates that the provided URL is a Login ID. False indicates that the provided URL is an alias.			I	I
NE_ID	The NE logical ID.			S	R

Table 306: C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESSES

Parameter Name	Description	Range	Default Value	Type	Class
SITE_NAME[++]	Site to be assigned for the DN.	The maximum length is 20. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		I	I
TO_DN[++]	End of the DN range.			I	M
URL[++]	List of URLs to be unassigned.			I	M
USER_GROUP_ID	User group ID.	The maximum length is 32. Characters %, ", ' and \ are not allowed in the string. Must begin with an alphanumeric character. It cannot contain a double colon.		S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 307: CSDL to ASDL Mapping

CSDL	ASDL
C_BROADSOFT-BNS_14-0_UNASSIGN_ADDRESSES	A_BROADSOFT-BNS_14-0_UNASSIGN_DNS
	A_BROADSOFT-BNS_14-0_UNASSIGN_DN-RANGES
	A_BROADSOFT-BNS_14-0_UNASSIGN_URLS

Configuring ASAP to Support Additional NE Instances

You can configure ASAP to support the VBNA_BNS-001 - NEP configuration using the Service Activation Configuration Tool (SACT). Refer to the *ASAP Administration Guide* for more information.

Below is an example of the Activation.Configuration.XML file for the BROADSOFT_BNS cartridge.

```
<?xml version="1.0" encoding="UTF-8"?>
<activationConfig xmlns="http://www.metasolv.com/ServiceActivation/
  2003/ActivationConfig" xmlns:cfg="http://www.mslv.com/studio/acti-
  vation/model/config" xmlns:route="http://www.mslv.com/studio/acti-
  vation/model/routing" xmlns:sm="http://www.metasolv.com/
  ServiceActivation/2003/ServiceModel" xmlns:xsi="http://www.w3.org/
  2001/XMLSchema-instance">
  <connectionPool name="BNS_POOL">
    <device name="vbna_bns_corba_dev1">
      <environment>DEVELOPMENT</environment>
      <lineType>GENERIC_TERMINAL_CONNECTION</lineType>
    </device>
  </connectionPool>
  <element name="VBNA_BNS-001">
    <vendor>BROADSOFT</vendor>
    <technology>BNS</technology>
    <softwareLoad>14-0</softwareLoad>
    <nepServerName>$NEP</nepServerName>
    <primaryPool>BNS_POOL</primaryPool>
    <maximumConnections>1</maximumConnections>
    <dropTimeout>2</dropTimeout>
    <spawnThreshold>10</spawnThreshold>
    <killThreshold>8</killThreshold>
    <routingElement name="VBNA_BNS-001"/>
    <communicationParameter>
      <label>HOST_IPADDR</label>
      <value>
        <value>10.9.1.224</value>
      </value>
      <description>Remote Host IP Address</description>
      <lineType>GENERIC_TERMINAL_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
      <label>NAME_SERV</label>
      <value>
        <value>1050</value>
      </value>
    </communicationParameter>
  </element>
</activationConfig>
```

```
        </value>
        <description>Naming service port</description>
        <lineType>GENERIC_TERMINAL_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>PASSWORD</label>
        <value>
            <value>admin</value>
        </value>
        <description>Password</description>
        <lineType>GENERIC_TERMINAL_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>USER</label>
        <value>
            <value>admin</value>
        </value>
        <description>User login</description>
        <lineType>GENERIC_TERMINAL_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>READ_TIMEOUT</label>
        <value>
            <value>60</value>
        </value>
        <description>The read timeout in seconds</description>
        <lineType>GENERIC_TERMINAL_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>VERSION</label>
        <value>
            <value>9.0</value>
        </value>
        <description>Network Server Release Version</description>
        <lineType>GENERIC_TERMINAL_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>FIREWALL</label>
        <value>
            <value>Y</value>
        </value>
        <description>Firewall flag, value Y or N. If Corba server is
            inside the firewall, set flag to Y and IOR will be set with
            NAT-ed IP address</description>
        <lineType>GENERIC_TERMINAL_CONNECTION</lineType>
    </communicationParameter>
</element>
</activationConfig>
```

Extracting source files

Before you can access an XML file to modify it, you must extract it from the .sar file. Use the following procedure to extract source files from the sar file.

To extract source files

1. Create a repository directory. Copy the .sar file to the new directory and un-jar the sar file.
2. After you un-jar the sar file, you can access the XML files.

Loading a new XML file

When you finish modifying an XML file, you must create a new sar file, then restart the cartridge using the new file.

Follow the instructions in [“Testing the installation”](#) on page 14, for directions on how to load a new XML file.