

**Oracle Communications® ASAP™ Cartridge 1.0
GA Release for Lucent IN 6.0**

Lucent IN 6.0 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.

For more information on extending a cartridge, refer to the *ASAP Cartridge Development Guide for Service Activation*.

Cartridge content

An ASAP cartridge contains the following:

- ◆ An interface to the NE
- ◆ 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 Lucent IN 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 the use of this cartridge. It is not intended to be a complete ASAP reference guide.

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

- ◆ **Activation documentation set**—for detailed information on the ASAP component.
- ◆ **ASAP Cartridge Development Guide for Service Activation**—for information on how to extend a cartridge.

The Lucent IN cartridge provides the ASAP service configuration and Network Element (NE) interface to activate Work Order, eVPN Account and eVPN Subscriber related services on E_LU-IN_6-0_HOST NEs.

Services, features, and options

This cartridge supports the following services:

Table 1: Supported services

Service	Description
Action	<ul style="list-style-type: none"> ◆ Completes a resumed asynchronous work order. ◆ Stops an asynchronous work order to wait for event server to resume it.
Calling Party Number	<ul style="list-style-type: none"> ◆ Adds a new entry to the Calling Party Numbers table. ◆ Deletes an entry from the Calling Party Numbers table.
COS Definition	<ul style="list-style-type: none"> ◆ Adds a new entry to the Class Of Service definition table. ◆ Deletes an entry from the Class Of Service definition table. ◆ Modifies an entry in the Class Of Service definition table.
COS Feature	<ul style="list-style-type: none"> ◆ Adds a new entry to the COS feature table. ◆ Deletes an entry from the COS feature table. ◆ Modifies an entry in the COS feature table.
COS Restriction	<ul style="list-style-type: none"> ◆ Adds a new entry to the COS restriction table. ◆ Deletes an entry from the COS restriction table. ◆ Modifies an entry in the COS restriction table.
COS Screening	<ul style="list-style-type: none"> ◆ Adds a new entry to the COS screening table. ◆ Deletes an entry from the COS screening table. ◆ Modifies an entry in the COS screening table.
eVPN Account	<ul style="list-style-type: none"> ◆ Adds an eVPN account. ◆ Deletes an eVPN account. ◆ Modifies an eVPN account. ◆ Queries an eVPN account.
eVPN Subscriber	<ul style="list-style-type: none"> ◆ Adds an eVPN subscriber. ◆ Deletes an eVPN subscriber. ◆ Modifies an eVPN subscriber. ◆ Queries an eVPN subscriber.
eVPN Virtual Member	<ul style="list-style-type: none"> ◆ Adds an eVPN virtual member. ◆ Deletes an eVPN virtual member. ◆ Modifies an eVPN virtual member. ◆ Queries an eVPN virtual member.

Hardware and software requirements

The following sections contain the high-level software and hardware environment requirements for Work Order, eVPN Account and eVPN Subscriber services 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_clli
- ◆ tbl_clli_route
- ◆ tbl_comm_param
- ◆ tbl_resource_pool
- ◆ tbl_ne_config

ASAP version

This cartridge was developed and tested using ASAP 4.6.3.

For more information on the operating environment of this ASAP version, refer to the ASAP version 4.6.3 Release Record.

Connecting to the NE

This cartridge supports both asynchronous and synchronous mode communications and CORBA 2.3, to connect to the NE.

Related documentations

This cartridge was developed according to the following Network Element Provisioning Specifications:

- ◆ eSM CORBA Upstream Interface Programmer's.pdf

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](#)
- ◆ [Installation and deployment of the cartridge using Studio](#)
- ◆ [Uninstallation and Undeployment of the cartridge using Studio](#)

Downloading the cartridge

Before you 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. Untar LucentIN_6_X_X_R1_0_0.<build number>.tar.

```
tar xvf LucentIN_6_X_X_R1_0_0.<build number>.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>  
  /custom_scripts  
  /README  
  /installCartridge  
  /uninstallCartridge  
  /LucentIN_6_0.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 following is the layout of the cartridge:

- ◆ `custom_scripts` contains the customized scripts used in the installation, uninstallation and running of the cartridge.
- ◆ `install_new_NEP_1.sh` - will create a new NEP which runs on JAVA 1.4. Java 1.4 is required for the events server implementation. Defaults can be used safely for testing.
- ◆ `uninstall_new_NEP.sh` - will remove the new NEP configuration and the JRE directory from `$ASAP_BASE`.
- ◆ `add_luin_message_nepTable_3.sh` - will create a custom NEP DB table used by the ASYNCHRONOUS mechanism.
- ◆ `add_luin_param_nepTable_4.sh` - will create a custom NEP DB table used by the ASYNCHRONOUS mechanism.
- ◆ `add_luin_request_id_seq_5.sh` - will create a sequence used by the ASYNCHRONOUS mechanism.
- ◆ `add_eventsServer_ctrlDB_2.sh` - will create a new entry in CTRL DB, `tbl_appl_proc` for the LucentINEvents Server.
- ◆ `remove_eventsServer_ctrlDB.sh` - will remove the entry from `tbl_app_proc` related to LucentINEvents Server.
- ◆ `/source` - contains files and libraries used for cartridge deployment.
- ◆ `/post_deploy` - contains scripts used by `installCartridge`.
- ◆ `/asap463_patch` - contains an ASAP 463 patch which fixes a RESUME WO issue.
- ◆ `installCartridge` - install cartridge script including all standard and custom steps.
- ◆ `uninstallCartridge` - uninstall cartridge script including all standard and custom steps.
- ◆ `LucentIN_6_0.sar` - Cartridge deployment file.

Pre installation steps

The installation of this cartridge, will install and configure a new customized NEP named `NEP_LUIN`. All work order requests from this cartridge will go through this NEP.

In order to install the cartridge you must follow these steps:

1. Apply the ASAP 4.6.3 patch for the RESUME work order (please read the `README_patch` for more info about the issue)

```
cd asap463_patch
sqlplus $SARM_USER/$SARM_USER < SAS_update.4.6.5.i.sql
```

Note: This patch should be applied once per environment.

2. Create the custom NEP - `NEP_LUIN`. If default value will be used, the `install_new_NEP_1.sh` script will create a new NEP running on JAVA 1.4

```
cd custom_scripts
```

```
install_new_NEP_1.sh
```

3. Manually update the the NEP_LUIN_jinterpreter file from \$ASAP_BASE/programs with the database connection information

```
"DDB_CONNECT="(DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST = 10.9.1.250)(PORT = 1531))) (CONNECT_DATA = (SERVICE_NAME = RH9206))) "\
```

4. Create the custom NEP tables and sequence by running the following scripts:

```
cd custom_scripts
add_luin_message_nepTable_3.sh
add_luin_param_nepTable_4.sh
add_luin_request_id_seq_5.sh
```

5. Start (or bounce) ASAP and make sure that BEA is running.

6. Deploy the cartridge:

```
install_cartridge LucentIN_6_0.sar
```

Note: Make sure that the JAVA_HOME=\$ASAP_BASE/JRE is setup in your environment.

7. Change the WLS URL parameter from tbl_comm_param to point to the real BEA instance (host:port).

8. Specify the port for cartridge-Event Server communications.

```
export LUIN_SOCKET_SERVER_PORT=<port number>
```

If this is not set up, the default port 16899 will be used.

9. Add the Events server to the ASAP CTRL database. This causes the Event Server to be monitored by ASAP.

```
add_eventsServer_ctrlDB_2.sh
```

The events server will write the logs at the console and also will write a log file called eSMEventsServer.log in \$ASAP_BASE/DATA/logs.

10. Specify the host IP address the Event Server should start on.

```
export LUIN_EVT_SERVER_HOST=<host IP address>
```

If this is not set up, the default host IP will be used. This may cause a problem for host with multiple network interface cards and firewall restrictions.

11. Specify the port the Event Server should start on.

```
export LUIN_EVT_SERVER_PORT=<port>
```

If this is not set up, the ORB will select a random port. This may cause a problem with firewall restrictions.

12. Specify the NE host.

```
export LUIN_NE_HOST=<NE host>
```

13. BOUNCE ASAP

Note: The sample work orders used for loopback testing can be found in SampleWorkOrders directory. These orders are not deployed automatically by the install script.

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

- ◆ Configures the Lucent IN-specific NE using the SACT.
- ◆ Deploys the Lucent IN cartridge service model (only if the Lucent IN service model is not yet deployed) using the Service Activation Deployment Tool (SADT).
- ◆ Copies the Lucent IN-specific jar files and the cpp library file 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 LucentIN_6_0.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 Lucent IN cartridge. The script executes the following tasks:

- ◆ Unconfigures Lucent IN-specific NEs using the SACT.
- ◆ Undeploys the Lucent IN cartridge service model (only if the Lucent IN service model is already deployed) using the Service Activation Deployment Tool (SADT).
- ◆ Removes the Lucent IN-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 LucentIN_6_0.<date>.<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.

If you want to remove the Events Server from ASAP CTRL database, run:

```
remove_eventsServer_ctrlDB.sh
```

To remove the secondary NEP, run:

```
uninstall_new_NEP.sh
```

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
VPN_VIEW_NAME	VPN_VIEW_NAME	Default view name from comm_params for VPN service.
VPN_VERSION_NAME	261	Default VPN version name from comm_params for VPN service.
VPN_WO_INFO	VPN_WO_INFO	Default VPN work order information from comm_params for VPN service.
VPN_PRIORITY	5	Default VPN priority value from comm_params for VPN service.
VPN_DUE_DATE	0	Default VPN due date from comm_params for VPN service.
VPN_WO_DELETE_MODE	SYSTEM_WODELMO DE	Default VPN work order delete mode from comm_params for VPN service.
VPN_EVENT_DESTINATION	LuINEvtDest	Event destination prefix for VPN service.
VPN_WO_TYPE	PROV_WO	Default work order type from comm_params for VPN service. Possible values are: PROV_WO and NEQUERY_WO.
VPN_SO_GRP_NAME	VPN_SO_GRP_NAME	Identifies the NE to be updated - defined by eSM administrator to restrict access (for provisioning system GUI users) - set as comm_param.

Table 4: Communication parameters

param_label	param_value	param_desc
VPN_OWNER_NAME	VPN_OWNER_NAME	Service object group name.
VPN_ACCT_GRP_NAME	prov	Account group name.
VPN_NE_NAME[1]	VPN_NE_NAME[1]	NE that may be provisioned or queried by a work order. These names will be set by the administrator and if required will be set as comm_param.
MONITOR_INTERVAL	60	Work order monitoring time interval in seconds.
TIMEOUT	10	Work order timeout period in minutes.
USERNAME	USERNAME	User name to log in to eSM.
PASSWORD	PASSWORD	Password to log in to eSM.
VPN_ACCESS_GRP_NAME	VPN_ACCESS_GRP_NAME	Default VPN access group names.
THROTTLE	0	Time in milli-seconds to throttle transmission of successive requests.
VPN_EVENT_FILTER	LuNEvtFilter	Filter name prefix used to subscribe for the events.
WO_NAME_PREFIX	VFNZ	Prefix for the request ID.
LU_IN_NE_HOST	E_LU-IN_6-0_HOST	Host name of the network element.
STOP_ASDL_CHECK_INTERVAL	50	Sleep interval in milli-seconds between checks for completion of all requests in STOP ASDL.
STOP_ASDL_CHECK_NUMBER	40	Total number of checks for completion of all requests in STOP ASDL.
ASYNC_MODE	N	Mode of interaction with the network element.
SYNC_REQ_TIMEOUT	10	Timeout for synchronous request in seconds.

Table 4: Communication parameters

param_label	param_value	param_desc
USER_ERROR_FILE	config/ Lucent_IN_6_0_UserExitTypes.cfg	Full path name of user exit type mapping file under the ASAP base directory. Example: Value of config will be - \$ASAP_BASE/config
IOR_FILE	config/ Lucent_IN_6_0.cfg	Full path name of file containing eSM IOR, starting under the ASAP base directory. Example: Value of config will be - \$ASAP_BASE/config

Modifying E_LU-IN_6-0_HOST.xml

Use the following procedure to modify E_LU-IN_6-0_HOST.xml.

To modify E_LU-IN_6-0_HOST.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 LucentIN_6_0.sar to this new source directory.

```
cp LucentIN_6_0.sar ./<new_source_directory>
```

3. Change directory to <new_source_directory>.

```
cd <new_source_directory>
```

4. Un-jar LucentIN_6_0.sar. This extracts the contents of the sar file.

```
jar xvf LucentIN_6_0.sar
```

5. Edit E_LU-IN_6-0_HOST.xml with the appropriate changes, which is available under <new_source_directory>/NetworkElements.

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

```
CreateSar $PWD
```

7. Uninstall the cartridge using LucentIN_6_0.sar. (That is, use the original sar file that you copied in [Step 2](#) above—see “[Uninstalling the cartridge using scripts](#)” on [page 9](#) 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 7](#) 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 10](#) 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 Lucent IN cartridge source.

Viewing the sample work orders

You can 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 E_LU-IN_6-0_HOST.xml” on page 13](#).
2. Locate and view the sample work order files.

Installation and 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 click 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 should be in unchecked state.

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 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_LU-IN_6-0_ADD_CALL-PARTY-NUM
- ◆ A_LU-IN_6-0_ADD_COS-DEFINITION
- ◆ A_LU-IN_6-0_ADD_COS-FEATURE
- ◆ A_LU-IN_6-0_ADD_COS-RESTRICTION
- ◆ A_LU-IN_6-0_ADD_COS-SCREENING
- ◆ A_LU-IN_6-0_ADD_VPN-SUBSCRIBER
- ◆ A_LU-IN_6-0_CREATE_VPN-ACCOUNT
- ◆ A_LU-IN_6-0_CREATE_VPN-VM
- ◆ A_LU-IN_6-0_DELETE_CALL-PARTY-NUM
- ◆ A_LU-IN_6-0_DELETE_COS-DEFINITION
- ◆ A_LU-IN_6-0_DELETE_COS-FEATURE
- ◆ A_LU-IN_6-0_DELETE_COS-RESTRICTION
- ◆ A_LU-IN_6-0_DELETE_COS-SCREENING
- ◆ A_LU-IN_6-0_DELETE_VPN-ACCOUNT
- ◆ A_LU-IN_6-0_DELETE_VPN-SUBSCRIBER
- ◆ A_LU-IN_6-0_DELETE_VPN-VM
- ◆ A_LU-IN_6-0_MODIFY_COS-DEFINITION
- ◆ A_LU-IN_6-0_MODIFY_COS-FEATURE
- ◆ A_LU-IN_6-0_MODIFY_COS-RESTRICTION
- ◆ A_LU-IN_6-0_MODIFY_COS-SCREENING
- ◆ A_LU-IN_6-0_MODIFY_VPN-ACCOUNT
- ◆ A_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER
- ◆ A_LU-IN_6-0_MODIFY_VPN-VM
- ◆ A_LU-IN_6-0_QUERY_VPN-ACCOUNT
- ◆ A_LU-IN_6-0_QUERY_VPN-SUBSCRIBER
- ◆ A_LU-IN_6-0_QUERY_VPN-VM
- ◆ A_LU-IN_6-0_RESUME_ACTION
- ◆ A_LU-IN_6-0_STOP_ACTION

A_LU-IN_6-0_ADD_CALL-PARTY-NUM

Adds a new entry to the Calling Party Numbers table.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.call_party_num.add.generated.AddCallPartyNumProxy.execute

Table 6: A_LU-IN_6-0_ADD_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O

Table 6: A_LU-IN_6-0_ADD_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
CLG_PTY_NUM_ID	Calling party numbers table ID.			S	R
CLG_PTY_NUMBER	CLI to searched for.			S	R
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
MCLI	Host NE identifier.			S	R

MML Commands

ProvExt::WorkOrder

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string woName, out
```

```

SMSProvExt::ValErrorList valErrors)
raises (ApplError);

wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder

```

Output Parameters

None.

A_LU-IN_6-0_ADD_COS-DEFINITION

Adds a new entry to the Class Of Service table.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.cos_definition.add.generated.AddCosDefinitionProxy.execute

Table 7: A_LU-IN_6-0_ADD_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O

Table 7: A_LU-IN_6-0_ADD_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 7: A_LU-IN_6-0_ADD_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_ID	Class Of Service table ID.			S	R
COS_RESTRICT_ID	Class of Service restrict table ID.			S	R
COS_FEATURE_ID	Features table ID.			S	R
COS_SCREENING_ID	COS screen table ID.			S	O
GPRS_ID	COS GPRS table ID.			S	O
COS_CODE	Class of Service code.			S	O
USSD_COS_ID	USSD COS table ID.			S	O
GLOBAL_COS_ID	Global COS table ID.			S	O
VPN_ACCOUNT_NAME	The VPN account name.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_ADD_COS-FEATURE

Adds a new entry to the COS feature table.

It is implemented by the following Java method:

```
com.mslv.activation.cartridge.lu.in.x6_0.cos_feature.add.generated.AddCosFeatureProxy.execute
```

Table 8: A_LU-IN_6-0_ADD_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Table 8: A_LU-IN_6-0_ADD_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_FEATURE_ID	COS feature table ID.			S	R
CUSTOM_ABRV_DIAL_ID	COS CAD table ID.			S	O
MENU_ACCESS_ID	Menu access table ID.			S	O
MENU_PAD_ID	MAC PAD tableID.			S	O

Table 8: A_LU-IN_6-0_ADD_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
ABD_OFFNET_SCRNG_ID	ABD OffNet table ID.			S	O
ABD_ONNET_SCRNG_ID	ABD OnNet Screening table ID.			S	O
DIRECT_ACCESS_TO_MB X	Direct access to mailbox.			S	O
CARRIER_SEL_ID	Carrier selection table ID.			S	O
BILLING_ID	Billing table ID.			S	O
NOTIFICATION_ID	Notification table ID.			S	O
SMS_ID	SMSC table ID.			S	O
ACCOUNT_CODE	Account code.			S	O
LOCATION_ABRV_DIAL	Sub location abbreviated dial.			S	O
ESCN_ID	ESCN table ID.			S	O
ESCN2_ID	ESCN2 table ID.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_ADD_COS-RESTRICTION

Adds a new entry to the COS restriction table.

It is implemented by the following Java method:

```
com.mslv.activation.cartridge.lu.in.x6_0.cos_restriction.add.generated.AddCosRestrictionProxy.execute
```

Table 9: A_LU-IN_6-0_ADD_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Table 9: A_LU-IN_6-0_ADD_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_RESTRICTION_ID	COS Restriction table ID.			S	R
ONNET_ORIG_PERM	OnNet original permission.			S	O
RES_ONNET_TERM_PERM	OnNet term permission.			S	R
ATTENDANT_CALL_PERM	Attendant call permission.			S	O

Table 9: A_LU-IN_6-0_ADD_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
CUG_PLACE_CALL_PERM	CUG place permissions.			S	O
CUG_RECV_CALL_PERM	CUG receive permissions.			S	O
BREAKOUT_ALLOWED	Breakout allowed.			S	O
FMD_UPDATED_ALLOWED	FMD update allowed.			S	O
GLBL_ABRV_DIAL_PERM	Global abbreviation dial permissions.			S	O
OFFNET_ORIG_PERM	OffNet original permission.			S	O
VALUE_NET_ALLOWED	Value net allowed.			S	O
LOCAL_CALLS_ALLOWED	Local calls allowed.			S	O
PERSONAL_LIST_PERM	Personal list.			S	O
ONNET_SHORT_CODE_PERM	Personal list permission.			S	O
MULTI_GROUP_PERM	Multi group permission.			S	O
MULTI_GRP_SHORT_CODE_PERM	Multi group short code permission.			S	O
VIRT_SHORT_CODE_PERM	Virtual short code permission.			S	O
ONNET_IVPN_PERM	OnNet IVPN permission.			S	R
EXT_IVPN_PERM	Extended IVPN permission.			S	R
EXT_IVPN_SC_PERM	Extended IVPN SC permission.			S	R
EXT_IVPN_CUG_PERM	Extended IVPN CUG permission.			S	R
ECR_PERM	ECR permission.			S	R
VPN_ACCOUNT_NAME	The VPN Account name.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_ADD_COS-SCREENING

Adds a new entry to the COS screening table.

It is implemented by the following Java method:

```
com.mslv.activation.cartridge.lu.in.x6_0.cos_screening.add.generated.AddCosScreening
Proxy.execute
```

Table 10: A_LU-IN_6-0_ADD_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O

Table 10: A_LU-IN_6-0_ADD_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 10: A_LU-IN_6-0_ADD_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_SCREENING_ID	COS Screening table ID.			S	R
NATNL_DEST_PERM	National destination permission.			S	R
NATNL_DEST_ID	National destination ID.			S	O
NATNL_LOC_PERM	National location permission.			S	R
NATNL_LOC_ID	National location table ID.			S	O
INTERNAT_DEST_PERM	International destination permission.			S	R
INTERNAT_DEST_ID	International destination table ID.			S	O
INTERNAT_LOC_PERM	International local permission.			S	R
INTERNAT_LOC_ID	International local table ID.			S	O
SPECL_SVC_DEST_PERM	Special service destination permission.			S	R
SPECL_SVC_DEST_ID	Special service destination table ID.			S	O
SPECL_SVC_LOC_PERM	Special service loc permission.			S	R
SPECL_SVC_LOC_ID	Special service loc table ID.			S	O

Table 10: A_LU-IN_6-0_ADD_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
ROAMING_IC_PERM	Roaming incoming permission.			S	R
ROAMING_IC_ID	Roaming incoming table ID.			S	O
ROAMING_CLG_SCRNG_ID	Roaming CLG screen table ID.			S	O
FEATURE_LOC_PERM	Feature location permanent.			S	R
FEATURE_LOC_ID	Feature location table ID.			S	O
LOCAL_SENST_TRM_ID	Local sens term table id.			S	O
SUBS_ZONE_LSTS_PERM	Subs zone LSTS permission.			S	R
SUBS_ZONE_LSTS_ID	Subs zone lsts table ID.			S	O
FMD_NDS_PERM	FMD NDS.			S	R
FMD_NDS_ID	FMD NDS table ID.			S	O
FMD_IDS_PERM	FMD IDS permissions.			S	R
FMD_IDS_ID	FMD IDS table ID.			S	O
SCRN_ONNET_TERM_PERM	OnNet term call permissions.			S	R
ONNET_TERM_ID	OnNet TCS table ID.			S	O
ECT_PERM_TYPE	ECT permission type.			S	R
ECT_PERM_ID	ECT permission table ID.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
MCLI	Host NE identifier.			S	R
LOCAL_SENST_TRM_PERM	Local sens term permission.			S	R

MML Commands

ProvExt::WorkOrder


```

boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises( ApplError );

```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder

Output Parameters

None.

A_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Adds an eVPN subscriber.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.vpn_subscriber.add.generated.AddVpnSubscriberProxy.execute

Table 11: A_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
AUTHENTICATION_ID	E.164 Number identifying the user.			S	R
AUTHENTICATION_TYPE	Authentication ID type.			S	O
VPN_CODE	Short code.			S	R
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	O
ZONE	Zone Determination Critic.This flag determines the behavior if the ATI operation fails.			S	O

Table 11: A_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
HLR_INDEX	HLR NRN Index.This field is defined for mobile users when the ATI operation is supported.			S	O
CUT_AND_PASTE	Important Field for PBX PREFIX definition It can be set for PBX Root entries. Since the private numbering plan for fixed users is not yet defined, this flag has to be set always to(that is, the default value).			S	O
TERMINAL_TYPE	Distinction between Mobile and Fixed users.			S	O
CLASS_OF_SERVICE_ID	Class of Service ID.			S	O
ROAMING_COS_ID	Roaming permissions.			S	O
CLG_PERMN_TBL_ID	Incoming Call Screening based on Calling Party Number feature.			S	O
CLG_PERMN_TBL_PERMNS	Incoming Call Screening based on Calling Party Number feature table permissions.			S	O
ICS_USING_CLG_PERMN	Flag that indicates whether ICS based on Calling Party Number is enabled. This field can be updated through the USSD Interface.			S	O
SVCE_PROVIDER	Description of service provider.			S	O
MAILBOX_NUMBER	Mailbox of the mobile user in E.164 format.			S	O
NBR_RANGE_SIZE	PBX range definition.			S	O

Table 11: A_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MBR_NBR_RNGE_DEFINE D	This flag indicates if the NRN is expanded for numeration corresponding to PBX RANGE.			S	O
SUBS_TIME_CNTRL	Time Control subscription flag.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Table 11: A_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_CODE_LENGTH	Length of the VPN code.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O

MML Commands

ProvExt::WorkOrder

```

boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises( ApplError );

```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder

Output Parameters

None.

A_LU-IN_6-0_CREATE_VPN-ACCOUNT

Adds an eVPN account.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.vpn_account.create.generated.CreateVpnAccountProxy.execute

Table 12: A_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R
MAX_VPN_CODES	Maximum number of VPN Codes.			S	O
ACCOUNT_LANG	Account Language.			S	O
NOTIFICATION_TABLE_ID	Notification table Identification.			S	O
VPN_DEFAULT_COS	VPN default class of service.			S	O
SUBS_OFFNET_CALLING	Subscriber Offnet Calling.			S	O
SUBS_FORCD_ONNET	Subscriber forced Onnet.			S	O

Table 12: A_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
SUB_TERM_CALL_SCRNG	Subscriber term call acreeing.			S	O
SUB_IC_CALL_SCRNG	Subscriber Inc call screening.			S	O
PTY_TO_APPLY_ICS	Party To Apply ICS.			S	O
CALLG_CRIT_FOR_ICS	Calling critical for ICS.			S	O
SUBS_CLOSED_USR_GRP	Sub Closed User Group.			S	O
APPLY_BILLING	Apply Billing.			S	O
RANGE_TABLES	Range tables.			S	O
SUB_CG_PRFX_AUTH	Sub CG Prefix Authentication.			S	O
SUB_EXTND_VIRT_ONNET	Sub Extended VirtualOnNet.			S	O
SUBS_TIME_CNTRL	Time Control subscription flag.			S	O
SUB_DIRCT_TO_VM	Subscribe direct to Voice mail.			S	O
CDPNLOC_ORIG_ONNET	Determ CdPNLoc OrigOnnet.			S	O
SED_RANGES	SED Ranges.			S	O
SED_PREFIXES	SED Prefixes.			S	O
SUB_CALLG_DSPLY	Subscribe CLG Display.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 12: A_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 12: A_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
WO_NUMBER	Unique Work Order Number.			S	R
COS_ID	Class Of Service table ID.			S	R
COS_RESTRICT_ID	Class of Service restrict table ID.			S	R
COS_FEATURE_ID	Features table ID.			S	R
GPRS_ID	COS GPRS table ID.			S	O
COS_CODE	Class of Service code.			S	O
USSD_COS_ID	USSD COS table ID.			S	O
GLOBAL_COS_ID	Global COS table ID.			S	O
COS_FEATURE_ID	COS feature table ID.			S	R
CUSTOM_ABRV_DIAL_ID	COS CAD table ID.			S	O
MENU_ACCESS_ID	Menu access table ID.			S	O
MENU_PAD_ID	MAC PAD tableID.			S	O
ABD_OFFNET_SCRNG_ID	ABD OffNet table ID.			S	O

Table 12: A_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
ABD_ONNET_SCRNG_ID	ABD OnNet Screening table ID.			S	O
DIRECT_ACCESS_TO_MB X	Direct access to mailbox.			S	O
CARRIER_SEL_ID	Carrier selection table ID.			S	O
BILLING_ID	Billing table ID.			S	O
NOTIFICATION_ID	Notification table ID.			S	O
SMS_ID	SMSC table ID.			S	O
ACCOUNT_CODE	Account code.			S	O
LOCATION_ABRV_DIAL	Sub location abbreviated dial.			S	O
ESCN_ID	ESCN table ID.			S	O
ESCN2_ID	ESCN2 table ID.			S	O
COS_RESTRICTION_ID	COS Restriction table ID.			S	R
ONNET_ORIG_PERM	OnNet original permission.			S	O
RES_ONNET_TERM_PERM	OnNet term permission.			S	R
ATTENDANT_CALL_PERM	Attendant call permission.			S	O
CUG_PLACE_CALL_PERM	CUG place permissions.			S	O
CUG_RECV_CALL_PERM	CUG receive permissions.			S	O
BREAKOUT_ALLOWED	Breakout allowed.			S	O
FMD_UPDATED_ALLOWED	FMD update allowed.			S	O
GLBL_ABRV_DIAL_PERM	Global abbreviation dial permissions.			S	O
OFFNET_ORIG_PERM	OffNet original permission.			S	O
VALUE_NET_ALLOWED	Value net allowed.			S	O

Table 12: A_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
LOCAL_CALLS_ALLOWED	Local calls allowed.			S	O
PERSONAL_LIST_PERM	Personal list.			S	O
ONNET_SHORT_CODE_PERMISSION	Personal list permission.			S	O
MULTI_GROUP_PERM	Multi group permission.			S	O
MULTI_GRP_SHORT_CODE_PERMISSION	Multi group short code permission.			S	O
VIRT_SHORT_CODE_PERMISSION	Virtual short code permission.			S	O
ONNET_IVPN_PERM	OnNet IVPN permission.			S	R
EXT_IVPN_PERM	Extended IVPN permission.			S	R
EXT_IVPN_SC_PERM	Extended IVPN SC permission.			S	R
EXT_IVPN_CUG_PERM	Extended IVPN CUG permission.			S	R
ECR_PERM	ECR permission.			S	R
COS_SCREENING_ID	COS Screening table ID.			S	R
NATNL_DEST_PERM	National destination permission.			S	R
NATNL_DEST_ID	National destination ID.			S	O
NATNL_LOC_PERM	National location permission.			S	R
NATNL_LOC_ID	National location table ID.			S	O
INTERNAT_DEST_PERM	International destination permission.			S	R
INTERNAT_DEST_ID	International destination table ID.			S	O

Table 12: A_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
INTERNAT_LOC_PERM	International local permission.			S	R
INTERNAT_LOC_ID	International local table ID.			S	O
SPECL_SVC_DEST_PERM	Special service destination permission.			S	R
SPECL_SVC_DEST_ID	Special service destination table ID.			S	O
SPECL_SVC_LOC_PERM	Special service loc permission.			S	R
SPECL_SVC_LOC_ID	Special service loc table ID.			S	O
ROAMING_IC_PERM	Roaming incoming permission.			S	R
ROAMING_IC_ID	Roaming incoming table ID.			S	O
ROAMING_CLG_SCRNG_ID	Roaming CLG screen table ID.			S	O
FEATURE_LOC_PERM	Feature location permanent.			S	R
FEATURE_LOC_ID	Feature location table ID.			S	O
LOCAL_SENST_TRM_ID	Local sens term table id.			S	O
SUBS_ZONE_LSTS_PERM	Subs zone LSTS permission.			S	R
SUBS_ZONE_LSTS_ID	Subs zone lsts table ID.			S	O
FMD_NDS_PERM	FMD NDS.			S	R
FMD_NDS_ID	FMD NDS table ID.			S	O
FMD_IDS_PERM	FMD IDS permissions.			S	R
FMD_IDS_ID	FMD IDS table ID.			S	O
SCRN_ONNET_TERM_PERM	OnNet term call permissions.			S	R
ONNET_TERM_ID	OnNet TCS table ID.			S	O

Table 12: A_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
ECT_PERM_TYPE	ECT permission type.			S	R
ECT_PERM_ID	ECT permission table ID.			S	O
CLG_PTY_NUMBER	CLI to searched for.			S	O
CLG_PTY_NUM_ID	Calling party numbers table ID.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_CREATE_VPN-VM

Adds an eVPN virtual member.

It is implemented by the following Java method:

```
com.mslv.activation.cartridge.lu.in.x6_0.vpn_vm.create.generated.CreateVpnVMProxy.
execute
```

Table 13: A_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R

Table 13: A_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 13: A_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAMES	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param. As this is an enumeration the String value from the parameter must be translated to the enumerated value.			S	O
VIRT_ONNET_FEATURE_2	Extended Virtual On-Net feature 2 name defaulted from comm_param.			S	O

Table 13: A_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_CODE	Short Dial Code Passed from Siebel.			S	R
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	R
SED_CUG_PERMISSION_1	CUG permission 1.			S	O
SED_CUT_AND_PASTE	Cut and paste flag defaulted from comm_param.			S	O
TERMINAL_TYPE	Terminal Type.			S	O
ENTRY_PROFILE_TYPE	Entry profile type defaulted from comm_param.			S	O
EXPANDED_NRN_MAPPING	Expanded NRN Mapping defaulted from comm_param.			S	O
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
SED_CUG_PERMISSION_2	CUG permission 2.			S	O
SED_CUG_PERMISSION_3	CUG permission 3.			S	O
SED_CUG_PERMISSION_4	CUG permission 4.			S	O
SED_CUG_PERMISSION_5	CUG permission 5.			S	O
SED_CUG_PERMISSION_6	CUG permission 6.			S	O
SED_CUG_PERMISSION_7	CUG permission 7.			S	O

Table 13: A_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
SED_CUG_PERMISSION_8	CUG permission 8.			S	O
SED_CUG_PERMISSION_9	CUG permission 9.			S	O
SED_CUG_PERMISSION_10	CUG permission 10.			S	O
SED_CUG_PERMISSION_11	CUG permission 11.			S	O
SED_CUG_PERMISSION_12	CUG permission 12.			S	O
SED_CUG_PERMISSION_13	CUG permission 13.			S	O
SED_CUG_PERMISSION_14	CUG permission 14.			S	O
SED_CUG_PERMISSION_16	CUG permission 16.			S	O
SED_CUG_PERMISSION_15	CUG permission 15.			S	O

MML Commands

ProvExt::WorkOrder

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data structure

isNew - True, This is a new WorkOrder

False, This is an old WorkOrder

Output Parameters

None.

A_LU-IN_6-0_DELETE_CALL-PARTY-NUM

Deletes an entry from the Calling Party Numbers table.

It is implemented by the following Java method:

```
com.mslv.activation.cartridge.lu.in.x6_0.call_party_num.delete.generated.DeleteCallPartyNumProxy.execute
```

Table 14: A_LU-IN_6-0_DELETE_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Table 14: A_LU-IN_6-0_DELETE_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
CLG_PTY_NUM_ID	Calling party numbers table ID.			S	R
CLG_PTY_NUMBER	CLI to searched for.			S	R
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_DELETE_COS-DEFINITION

Deletes an entry from the Class Of Service table.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.cos_definition.delete.generated.DeleteCosDefinitionProxy.execute

Table 15: A_LU-IN_6-0_DELETE_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 15: A_LU-IN_6-0_DELETE_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 15: A_LU-IN_6-0_DELETE_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_ID	Class Of Service table ID.			S	R
VPN_ACCOUNT_NAME	The VPN account name.			S	O

MML Commands

ProvExt::WorkOrder

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder

Output Parameters

None.

A_LU-IN_6-0_DELETE_COS-FEATURE

Deletes an entry from the COS feature table.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.cos_feature.delete.generated.DeleteCosFeatureProxy.execute

Table 16: A_LU-IN_6-0_DELETE_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O

Table 16: A_LU-IN_6-0_DELETE_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_FEATURE_ID	COS feature table ID.			S	R
VPN_ACCOUNT_NAME	The VPN Account name.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_DELETE_COS-RESTRICTION

Deletes an entry from the COS restriction table.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.cos_restriction.delete.generated.DeleteCosRestrictionProxy.execute

Table 17: A_LU-IN_6-0_DELETE_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O

Table 17: A_LU-IN_6-0_DELETE_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_RESTRICTION_ID	COS Restriction table ID.			S	R
VPN_ACCOUNT_NAME	The VPN Account name.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string woName, out SMSProvExt::ValErrorList valErrors)
```

```
raises (ApplError);
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
```

```
isNew - True, This is a new WorkOrder
```

```
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_DELETE_COS-SCREENING

Deletes an entry from the COS screening table.

It is implemented by the following Java method:

```
com.mslv.activation.cartridge.lu.in.x6_0.cos_screening.delete.generated.DeleteCosScreeningProxy.execute
```

Table 18: A_LU-IN_6-0_DELETE_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O

Table 18: A_LU-IN_6-0_DELETE_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_SCREENING_ID	COS Screening table ID.			S	R

Table 18: A_LU-IN_6-0_DELETE_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
MCLI	Host NE identifier.			S	R

MML Commands

ProvExt::WorkOrder

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises( ApplError );
```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data structure
 isNew - True, This is a new WorkOrder
 False, This is an old WorkOrder

Output Parameters

None.

A_LU-IN_6-0_DELETE_VPN-ACCOUNT

Deletes an eVPN account.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.vpn_account.delete.generated.DeleteVpnAccountProxy.execute

Table 19: A_LU-IN_6-0_DELETE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R

Table 19: A_LU-IN_6-0_DELETE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 19: A_LU-IN_6-0_DELETE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises( ApplError );
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_DELETE_VPN-SUBSCRIBER

Deletes an eVPN subscriber.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.vpn_subscriber.delete.generated.DeleteVpnSubscriberProxy.execute

Table 20: A_LU-IN_6-0_DELETE_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
MEMBER_NUMBER	NRN Prefix.			S	R
AUTHENTICATION_ID	E.164 Number identifying the user.			S	R
AUTHENTICATION_TYPE	Authentication ID type.			S	O
VPN_CODE	Short code.			S	R
VPN_CODE_LENGTH	Length of the VPN code.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O

Table 20: A_LU-IN_6-0_DELETE_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O

Table 20: A_LU-IN_6-0_DELETE_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O

MML Commands

ProvExt::WorkOrder

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder

Output Parameters

None.

A_LU-IN_6-0_DELETE_VPN-VM

Deletes an eVPN virtual member.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.vpn_vm.delete.generated.DeleteVpnVMProxy.exe
xcute

Table 21: A_LU-IN_6-0_DELETE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 21: A_LU-IN_6-0_DELETE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param.			S	O
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	R
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O

Table 21: A_LU-IN_6-0_DELETE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_CODE	Short Dial Code Passed from Siebel. This value may contain trailing.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O

MML Commands

ProvExt::WorkOrder

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder

Output Parameters

None.

A_LU-IN_6-0_MODIFY_COS-DEFINITION

Modifies an entry in the Class Of Service table.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.cos_definition.modify.generated.ModifyCosDefinitionProxy.execute

Table 22: A_LU-IN_6-0_MODIFY_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Table 22: A_LU-IN_6-0_MODIFY_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_ID	Class Of Service table ID.			S	R
COS_RESTRICT_ID	Class of Service restrict table ID.			S	O
COS_FEATURE_ID	Features table ID.			S	O
COS_SCREENING_ID	COS screen table ID.			S	O

Table 22: A_LU-IN_6-0_MODIFY_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
GPRS_ID	COS GPRS table ID.			S	O
COS_CODE	Class of Service code.			S	O
USSD_COS_ID	USSD COS table ID.			S	O
GLOBAL_COS_ID	Global COS table ID.			S	O
VPN_ACCOUNT_NAME	The VPN account name.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises( ApplError );
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_MODIFY_COS-FEATURE

Modifies an entry in the COS feature table.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.cos_feature.modify.generated.ModifyCosFeatureProxy.execute

Table 23: A_LU-IN_6-0_MODIFY_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O

Table 23: A_LU-IN_6-0_MODIFY_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_FEATURE_ID	COS feature table ID.			S	R
CUSTOM_ABRV_DIAL_ID	COS CAD table ID.			S	O
MENU_ACCESS_ID	Menu access table ID.			S	O
MENU_PAD_ID	MAC PAD tableID.			S	O
ABD_OFFNET_SCRNG_ID	ABD OffNet table ID.			S	O
ABD_ONNET_SCRNG_ID	ABD OnNet Screening table ID.			S	O
DIRECT_ACCESS_TO_MB X	Direct access to mailbox.			S	O

Table 23: A_LU-IN_6-0_MODIFY_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
CARRIER_SEL_ID	Carrier selection table ID.			S	O
BILLING_ID	Billing table ID.			S	O
NOTIFICATION_ID	Notification table ID.			S	O
SMS_ID	SMSC table ID.			S	O
ACCOUNT_CODE	Account code.			S	O
LOCATION_ABRV_DIAL	Sub location abbreviated dial.			S	O
ESCN_ID	ESCN table ID.			S	O
ESCN2_ID	ESCN2 table ID.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
MCLI	Host NE identifier.			S	R

MML Commands

ProvExt::WorkOrder

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder

Output Parameters

None.

A_LU-IN_6-0_MODIFY_COS-RESTRICTION

Modifies an entry in the COS restriction table.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.cos_restriction.modify.generated.ModifyCosRestrictionProxy.execute

Table 24: A_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Table 24: A_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_RESTRICTION_ID	COS Restriction table ID.			S	R
ONNET_ORIG_PERM	OnNet original permission.			S	O
RES_ONNET_TERM_PERM	OnNet term permission.			S	O
ATTENDANT_CALL_PERM	Attendant call permission.			S	O

Table 24: A_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
CUG_PLACE_CALL_PERM	CUG place permissions.			S	O
CUG_RECV_CALL_PERM	CUG receive permissions.			S	O
BREAKOUT_ALLOWED	Breakout allowed.			S	O
FMD_UPDATED_ALLOWED	FMD update allowed.			S	O
GLBL_ABRV_DIAL_PERM	Global abbreviation dial permissions.			S	O
OFFNET_ORIG_PERM	OffNet original permission.			S	O
VALUE_NET_ALLOWED	Value net allowed.			S	O
LOCAL_CALLS_ALLOWED	Local calls allowed.			S	O
PERSONAL_LIST_PERM	Personal list.			S	O
ONNET_SHORT_CODE_PERM	Personal list permission.			S	O
MULTI_GROUP_PERM	Multi group permission.			S	O
MULTI_GRP_SHORT_CODE_PERM	Multi group short code permission.			S	O
VIRT_SHORT_CODE_PERM	Virtual short code permission.			S	O
ONNET_IVPN_PERM	OnNet IVPN permission.			S	O
EXT_IVPN_PERM	Extended IVPN permission.			S	O
EXT_IVPN_SC_PERM	Extended IVPN SC permission.			S	O
EXT_IVPN_CUG_PERM	Extended IVPN CUG permission.			S	O
ECR_PERM	ECR permission.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_MODIFY_COS-SCREENING

Modifies an entry in the COS screening table.

It is implemented by the following Java method:

```
com.mslv.activation.cartridge.lu.in.x6_0.cos_screening.modify.generated.ModifyCosScreeningProxy.execute
```

Table 25: A_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 25: A_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 25: A_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
COS_SCREENING_ID	COS Screening table ID.			S	R
NATNL_DEST_PERM	National destination permission.			S	O
NATNL_DEST_ID	National destination ID.			S	O
NATNL_LOC_PERM	National location permission.			S	O
NATNL_LOC_ID	National location table ID.			S	O
INTERNAT_DEST_PERM	International destination permission.			S	O
INTERNAT_DEST_ID	International destination table ID.			S	O
INTERNAT_LOC_PERM	International local permission.			S	O
INTERNAT_LOC_ID	International local table ID.			S	O
SPECL_SVC_DEST_PERM	Special service destination permission.			S	O
SPECL_SVC_DEST_ID	Special service destination table ID.			S	O
SPECL_SVC_LOC_PERM	Special service loc permission.			S	O
SPECL_SVC_LOC_ID	Special service loc table ID.			S	O

Table 25: A_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
ROAMING_IC_PERM	Roaming incoming permission.			S	O
ROAMING_IC_ID	Roaming incoming table ID.			S	O
ROAMING_CLG_SCRNG_ID	Roaming CLG screen table ID.			S	O
FEATURE_LOC_PERM	Feature location permanent.			S	O
FEATURE_LOC_ID	Feature location table ID.			S	O
LOCAL_SENST_TRM_ID	Local sens term table id.			S	O
SUBS_ZONE_LSTS_PERM	Subs zone LSTS permission.			S	O
SUBS_ZONE_LSTS_ID	Subs zone lsts table ID.			S	O
FMD_NDS_PERM	FMD NDS.			S	O
FMD_NDS_ID	FMD NDS table ID.			S	O
FMD_IDS_PERM	FMD IDS permissions.			S	O
FMD_IDS_ID	FMD IDS table ID.			S	O
SCRN_ONNET_TERM_PERM	OnNet term call permissions.			S	O
ONNET_TERM_ID	OnNet TCS table ID.			S	O
ECT_PERM_TYPE	ECT permission type.			S	O
ECT_PERM_ID	ECT permission table ID.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
LOCAL_SENST_TRM_PERM	Local sens term permission.			S	O

MML Commands

ProvExt::WorkOrder

```

boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);

```

```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder

```

Output Parameters

None.

A_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Modifies an eVPN account.

It is implemented by the following Java method:

```

com.mslv.activation.cartridge.lu.in.x6_0.vpn_account.modify.generated.ModifyVpnAcc
ountProxy.execute

```

Table 26: A_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R
MAX_VPN_CODES	Maximum number of VPN Codes.			S	O
ACCOUNT_LANG	Account Language.			S	O
NOTIFICATION_TABLE_ID	Notification table Identification.			S	O
VPN_DEFAULT_COS	VPN default class of service.			S	O
SUBS_OFFNET_CALLING	Subscriber Offnet Calling.			S	O
SUBS_FORCD_ONNET	Subscriber forced Onnet.			S	O
SUB_TERM_CALL_SCRNG	Subscriber term call acreening.			S	O

Table 26: A_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
SUB_IC_CALL_SCRNG	Subscriber Inc call screening.			S	O
PTY_TO_APPLY_ICS	Party To Apply ICS.			S	O
CALLG_CRIT_FOR_ICS	Calling critical for ICS.			S	O
SUBS_CLOSED_USR_GRP	Sub Closed User Group.			S	O
APPLY_BILLING	Apply Billing.			S	O
RANGE_TABLES	Range tables.			S	O
SUB_CG_PRFX_AUTH	Sub CG Prefix Authentication.			S	O
SUB_EXTND_VIRT_ONNET	Sub Extended VirtualOnNet.			S	O
SUBS_TIME_CNTRL	Subscribe Time control.			S	O
SUB_DIRECT_TO_VM	Subscribe direct to Voice mail.			S	O
CDPNLOC_ORIG_ONNET	Determ CdPNLoc OrigOnnet.			S	O
SED_RANGES	SED Ranges.			S	O
SED_PREFIXES	SED Prefixes.			S	O
SUB_CALLG_DSPLY	Subscribe CLG Display.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			C	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O

Table 26: A_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAMES	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			S	O

Table 26: A_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O

MML Commands

ProvExt::WorkOrder

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises (ApplError);
```

wo - Work order data as defined in the SMSProvExt::WorkOrderData data structure
 isNew - True, This is a new WorkOrder
 False, This is an old WorkOrder

Output Parameters

None.

A_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Modifies an eVPN subscriber.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.vpn_subscriber.modify.generated.ModifyVpnSubscriberProxy.execute

Table 27: A_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
AUTHENTICATION_ID	E.164 Number identifying the user.			S	R
AUTHENTICATION_TYPE	Authentication ID type.			S	O
VPN_CODE	Short code.			S	R
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	O
ZONE	Zone Determination Critic.This flag determines the behavior if the ATI operation fails.			S	O
HLR_INDEX	HLR NRN Index.This field is defined for mobile users when the ATI operation is supported.			S	O
CUT_AND_PASTE	Important Field for PBX PREFIX definition It can be set to for PBX Root entries. Since the private numbering plan for fixed users is not yet defined, this flag has to be set always to (that is, the default value).			S	O
TERMINAL_TYPE	Distinction between Mobile and Fixed users.			S	O
CLASS_OF_SERVICE_ID	Class of Service ID.			S	O
ROAMING_COS_ID	Roaming permissions.			S	O

Table 27: A_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
CLG_PERMN_TBL_ID	Incoming Call Screening based on Calling Party Number feature.			S	O
CLG_PERMN_TBL_PERMNS	Incoming Call Screening based on Calling Party Number feature table permissions.			S	O
ICS_USING_CLG_PERMN	Flag that indicates whether ICS based on Calling Party Number is enabled. This field can be updated through the USSD Interface.			S	O
SVCE_PROVIDER	Description of service provider.			S	O
MAILBOX_NUMBER	Mailbox of the mobile user in E.164 format.			S	O
NBR_RANGE_SIZE	PBX range definition.			S	O
MBR_NBR_RNGE_DEFINED	This flag indicates if the NRN is expanded for numeration corresponding to PBX RANGE.			S	O
SUBS_TIME_CNTRL	Time Control subscription flag.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 27: A_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 27: A_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_CODE_LENGTH	Length of the VPN code.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises( ApplError );
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_MODIFY_VPN-VM

Modifies an eVPN virtual member.

It is implemented by the following Java method:

```
com.mslv.activation.cartridge.lu.in.x6_0.vpn_vm.modify.generated.ModifyVpnVMProxy.execute
```

Table 28: A_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Table 28: A_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param. As this is an enumeration the String value from the parameter must be translated to the enumerated value.			S	O

Table 28: A_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VIRT_ONNET_FEATURE_2	Extended Virtual On-Net feature 2 name defaulted from comm_param.			S	O
VPN_CODE	Short Dial Code Passed from Siebel. This value may contain trailing.			S	R
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	R
SED_CUT_AND_PASTE	Cut and paste flag defaulted from comm_param.			S	O
TERMINAL_TYPE	Terminal Type.			S	O
ENTRY_PROFILE_TYPE	Entry profile type defaulted from comm_param.			S	O
EXPANDED_NRN_MAPPING	Expanded NRN Mapping defaulted from comm_param.			S	O
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
SED_CUG_PERMISSION_1	CUG permission 1.			S	O
SED_CUG_PERMISSION_2	CUG permission 2.			S	O
SED_CUG_PERMISSION_3	CUG permission 3.			S	O
SED_CUG_PERMISSION_4	CUG permission 4.			S	O
SED_CUG_PERMISSION_5	CUG permission 5.			S	O

Table 28: A_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
SED_CUG_PERMISSION_6	CUG permission 6.			S	O
SED_CUG_PERMISSION_7	CUG permission 7.			S	O
SED_CUG_PERMISSION_8	CUG permission 8.			S	O
SED_CUG_PERMISSION_9	CUG permission 9.			S	O
SED_CUG_PERMISSION_10	CUG permission 10.			S	O
SED_CUG_PERMISSION_11	CUG permission 11.			S	O
SED_CUG_PERMISSION_12	CUG permission 12.			S	O
SED_CUG_PERMISSION_13	CUG permission 13.			S	O
SED_CUG_PERMISSION_14	CUG permission 14.			S	O
SED_CUG_PERMISSION_16	CUG permission 16.			S	O
SED_CUG_PERMISSION_15	CUG permission 15.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
boolean submit(in SMSProvExt::WorkOrderData wo, in boolean isNew, out string
woName, out
SMSProvExt::ValErrorList valErrors)
raises( ApplError );
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data
structure
isNew - True, This is a new WorkOrder
False, This is an old WorkOrder
```

Output Parameters

None.

A_LU-IN_6-0_QUERY_VPN-ACCOUNT

Retrieves an eVPN account.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.vpn_account.query.generated.QueryVpnAccountProxy.execute

Table 29: A_LU-IN_6-0_QUERY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			C	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O

Table 29: A_LU-IN_6-0_QUERY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAMES	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O

MML Commands

```
ProvExt::WorkOrder
```

```
SMSProvExt::OrderStateEnum syncNEQuery (  
in SMSProvExt::WorkOrderData wo,  
out string woName,  
out SMSProvExt::NEQResult data,  
out SMSProvExt::ValErrorList valErrors )  
raises (ApplError);
```

```
wo - Work order data as defined in the SMSProvExt::WorkOrderData data  
structure
```

```
isNew - True, This is a new WorkOrder  
False, This is an old WorkOrder
```

Output Parameters

woName – Unique name of the work order. This is either client-specified name or eSM generated name (if not specified by the client).

Note: eSM recommends that upstream client(s) always provide a unique work order names part of wo parameter.

Data – NE Query result as defined in the SMSProvExt::NEQResult data structure.

NEQResult: A query response should be in the form of a compound parameter and are mapped as follows:

VPN_ACC_QRY.VPN_ACCOUNT_ID

VPN_ACC_QRY.VPN_ACCOUNT_NAME

VPN_ACC_QRY.MAX_VPN_CODES

VPN_ACC_QRY.ACCOUNT_LANG

VPN_ACC_QRY.NOTIFICATION_TABLE_ID

VPN_ACC_QRY.VPN_DEFAULT_COS

VPN_ACC_QRY.SUBS_OFFNET_CALLING

VPN_ACC_QRY.SUBS_FORCD_ONNET

VPN_ACC_QRY.SUB_TERM_CALL_SCRNG

VPN_ACC_QRY.SUB_IC_CALL_SCRNG

VPN_ACC_QRY.PTY_TO_APPLY_IC

VPN_ACC_QRY.CALLG_CRIT_FOR_IC

VPN_ACC_QRY.SUBS_CLOSED_USR_GRP

VPN_ACC_QRY.APPLY_BILLING
 VPN_ACC_QRY.RANGE_TABLES
 VPN_ACC_QRY.SUB_CG_PRFX_AUTH
 VPN_ACC_QRY.SUB_EXTND_VIRT_ONNET
 VPN_ACC_QRY.SUBS_TIME_CNTRL
 VPN_ACC_QRY.SUB_DIRECT_TO_VM
 VPN_ACC_QRY.CDPNLOC_ORIG_ONNET
 VPN_ACC_QRY.SED_RANGES
 VPN_ACC_QRY.SED_PREFIXES
 VPN_ACC_QRY.SUB_CALLG_DSPLY

ValErrors – List of static validation errors or warnings, if any. Static validation errors/warnings are due to execution of simple validation constraints of the service. Note that a constraint can be specified to raise either an error message or a warning.

A_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Retrieves an eVPN subscriber.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.vpn_subscriber.query.generated.QueryVpnSubscriberProxy.execute

Table 30: A_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
MEMBER_NUMBER	NRN Prefix.			S	R
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
VPN_CODE	Short code.			S	O
VPN_CODE_LENGTH	Length of the VPN code.			S	O

Table 30: A_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 30: A_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O

MML Commands

```
ProvExt::SvcObj
```

```
void getSvcData(in string viewName,
in string versionName,
in string votName,
in string soName,
in string vdtName,
in SMSProvExt::Filter filter,
in StringList vatNames,
in short maxRecs,
```

```
out SMSProvExt::FindResult result,
out SMSProvExt::Records records)
raises (ApplError);
Input Parameters:
viewName - Name of the View
versionName - Version of the service package. If it is empty, defaulted to the
current active version of the service. If any changes are made to the view
using View Tool, (for example modification of default values, read /write
permission etc.) then versionName is required for this operation.
votName - Name of the View Object Type
soName - Name of the Service Object
• The soName + votName+viewName is the unique key to identify an SvcObj.
vdtName - Name of the View Data Type
• Must be unique within a viewName.
filter - Type and details of the filtering criteria to use.
vatNames - A list of VAT (View Attribute Type) names within the vdtName that
are to be retrieved from eSM. This is an optional field, if not specified, all
the VATs that are allowed to retrieve will be returned.
maxRecs- Maximum number of records to be sent back.
- Default value: -1 - returns up to eSM predefined maximum records parameter
value.
- Value: -1 - returns up to eSM pre-defined maximum records
X - returns X number of records.
Where X is greater than or equal to 1 and less than or equal to Y, and Y is
eSM maximum records parameter value.
```

Output Parameters

Compound Parameters returned:

◆ VPN_SUB_QRY

The query returns the values from the prefix tables if the Short Dial code or Member Number/ Authentication Id contain trailing 'X's.

These results can be returned in the additional compound parameters:

- ◆ NRN_PFX
- ◆ AUT_PFX
- ◆ CODE_RNG

A_LU-IN_6-0_QUERY_VPN-VM

Retrieves a VPN Virtual Member.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.vpn_vm.query.generated.QueryVpnVMProxy.exe
xecute

Table 31: A_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 31: A_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param. As this is an enumeration the String value from the parameter must be translated to the enumerated value.			S	O
VIRT_ONNET_FEATURE_2	Extended Virtual On-Net feature 2 name defaulted from comm_param.			S	O

Table 31: A_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_CODE	Short Dial Code Passed from Siebel.			S	O
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	O
SED_CUT_AND_PASTE	Cut and paste flag defaulted from comm_param.			S	O
TERMINAL_TYPE	Terminal Type.			S	O
ENTRY_PROFILE_TYPE	Entry profile type defaulted from comm_param.			S	O
EXPANDED_NRN_MAPPING	Expanded NRN Mapping defaulted from comm_param.			S	O
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O

MML Commands

```
ProvExt::SvcObj
```

```
void getSvcData(in string viewName,
in string versionName,
in string votName,
in string soName,
in string vdtName,
in SMSProvExt::Filter filter,
in StringList vatNames,
in short maxRecs,
out SMSProvExt::FindResult result,
out SMSProvExt::Records records)
```

```

raises(ApplError);
Input Parameters:
viewName - Name of the View
versionName - Version of the service package. If it is empty, defaulted to the
current active version of the service. If any changes are made to the view
using View Tool, (for example modification of default values, read /write
permission etc.) then versionName is required for this operation.
votName - Name of the View Object Type
soName - Name of the Service Object
  • The soName + votName+viewName is the unique key to identify an SvcObj.
vdtName - Name of the View Data Type
  • Must be unique within a viewName.
filter - Type and details of the filtering criteria to use.
vatNames - A list of VAT (View Attribute Type) names within the vdtName that
are to be retrieved from eSM. This is an optional field, if not specified, all
the VATs that are allowed to be retrieved will be returned.
maxRecs- Maximum number of records to be sent back.
  - Default value: -1 - returns up to eSM predefined maximum records parameter
value.
  - Value : -1 - returns up to eSM pre-defined maximum records
X - returns X number of records.
Where X is greater than or equal to 1 and less than or equal to Y, and Y is
eSM maximum records parameter value.

```

Output Parameters

None.

A_LU-IN_6-0_RESUME_ACTION

Completes a resumed asynchronous work order.

It is implemented by the following Java method:

```

com.mslv.activation.cartridge.lu.in.x6_0.action.resume.generated.ResumeActionProxy.e
xecute

```

Table 32: A_LU-IN_6-0_RESUME_ACTION

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R

MML Commands

None.

Output Parameters

None.

A_LU-IN_6-0_STOP_ACTION

Stops an asynchronous work order to wait for event server to resume it.

It is implemented by the following Java method:

com.mslv.activation.cartridge.lu.in.x6_0.action.stop.generated.StopActionProxy.execute

Table 33: A_LU-IN_6-0_STOP_ACTION

Parameter Name	Description	Range	Default Value	Type	Class
MCLI	Host NE identifier.			S	R

MML Commands

None.

Output Parameters

None.

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>4
  <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>5
  <userType>U_MINOR_ERROR</userType>
```

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.
4. 101 to 110 and 201 to 215 will translate to a base type of SOFT_FAIL
5. 801-850 will translate to a base type of SOFT_FAIL. Note that the user type differs from the previous range.

```

    <baseType>SOFT_FAIL</baseType>
    <description>The ASDL has encountered a soft failure. Processing will
    continue.</description>
</userDefinedExitType>
<userDefinedExitType>
    <searchPattern>251-275&&[^261-265]</searchPattern>1
    <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>
    <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*.

1. 251 to 275 but not 261 to 265 will translate to a base type of DELAYED_FAILURE.

User defined ASDL exit types

The following table lists the user defined ASDL exit types.

Table 34: User defined ASDL exit types

Search pattern	User_type	Base_type	Description
500	LUIIN_INVALID_LOGIN	FAIL	Invalid login.
502	LUIIN_PASSWORD_EXP	FAIL	Password expired.
511	LUIIN_INV_SERV_NAME	FAIL	Invalid server name.
1423	LUIIN_WRONG_WO_CONT	FAIL	The work order was not constructed properly.
1424	LUIIN_WRONG_WO_CONT	FAIL	The work order was not constructed properly.
1425	LUIIN_WRONG_WO_CONT	FAIL	The work order was not constructed properly.
1800	LUIIN_SO_DUPLICATE	FAIL	Service object already exists.
1801	LUIIN_SO_NOT_EXIST	FAIL	Service object does not exist.
1802	LUIIN_SO_NOT_EXIST	FAIL	Service object does not exist.
1803	LUIIN_SO_NOT_EXIST	FAIL	Service object does not exist.
Work order successfully executed	LUIIN_WO_SUCCESS	SUCCEED	Work order successfully executed.
Work order timed out	LUIIN_WO_TIMEOUT	FAIL	Work order timed out.
No reply configured in user exit type file	LUIIN_NO_MATCH	FAIL	No reply configured in user exit type file.
1431	LUIIN_ERROR_AVAIL	FAIL	Cause of error not available from eSM.
SMS application error	LUIIN_SMS_APP_ERR	FAIL	Description goes Here.
Request successfully executed	LUIIN_REQ_SUCCESS	SUCCEED	Description goes Here.
Query returns more than one record	LUIIN_QRY_MULTI_REC	FAIL	Query returns more than one record.

LU_IN_6-0_USER_EXIT_TYPE.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<serviceModel xmlns:ude="http://www.mslv.com/studio/activation/model/
userDefinedExitType" xmlns:sm="http://www.metasolv.com/ServiceActivation/
2003/ServiceModel" xmlns="http://www.metasolv.com/ServiceActivation/2003/
ServiceModel" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>6-0</softwareLoad>
      <technology>IN</technology>
      <neVendor>LU</neVendor>
    </neDescriptor>
    <searchPattern>500</searchPattern>
    <userType>LUIN_INVALID_LOGIN</userType>
    <baseType>FAIL</baseType>
    <description>Invalid login</description>
  </userDefinedExitType>
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>6-0</softwareLoad>
      <technology>IN</technology>
      <neVendor>LU</neVendor>
    </neDescriptor>
    <searchPattern>502</searchPattern>
    <userType>LUIN_PASSWORD_EXP</userType>
    <baseType>FAIL</baseType>
    <description>Password expires</description>
  </userDefinedExitType>
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>6-0</softwareLoad>
      <technology>IN</technology>
      <neVendor>LU</neVendor>
    </neDescriptor>
    <searchPattern>511</searchPattern>
    <userType>LUIN_INV_SERV_NAME</userType>
    <baseType>FAIL</baseType>
    <description>Invalid server name</description>
  </userDefinedExitType>
  <userDefinedExitType>
    <neDescriptor>
      <softwareLoad>6-0</softwareLoad>
      <technology>IN</technology>
      <neVendor>LU</neVendor>
    </neDescriptor>
    <searchPattern>1423</searchPattern>
    <userType>LUIN_WRONG_WO_CONT</userType>
    <baseType>FAIL</baseType>
    <description>The work order was not constructed properly</description>
  </userDefinedExitType>
</userDefinedExitType>

```

```
<neDescriptor>
  <softwareLoad>6-0</softwareLoad>
  <technology>IN</technology>
  <neVendor>LU</neVendor>
</neDescriptor>
<searchPattern>1424</searchPattern>
<userType>LUIN_WRONG_WO_CONT</userType>
<baseType>FAIL</baseType>
<description>The work order was not constructed properly</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>6-0</softwareLoad>
    <technology>IN</technology>
    <neVendor>LU</neVendor>
  </neDescriptor>
  <searchPattern>1425</searchPattern>
  <userType>LUIN_WRONG_WO_CONT</userType>
  <baseType>FAIL</baseType>
  <description>The work order was not constructed properly</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>6-0</softwareLoad>
    <technology>IN</technology>
    <neVendor>LU</neVendor>
  </neDescriptor>
  <searchPattern>1800</searchPattern>
  <userType>LUIN_SO_DUPLICATE</userType>
  <baseType>FAIL</baseType>
  <description>Service object already exists</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>6-0</softwareLoad>
    <technology>IN</technology>
    <neVendor>LU</neVendor>
  </neDescriptor>
  <searchPattern>1801</searchPattern>
  <userType>LUIN_SO_NOT_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>Service object does not exist</description>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>6-0</softwareLoad>
    <technology>IN</technology>
    <neVendor>LU</neVendor>
  </neDescriptor>
  <searchPattern>1802</searchPattern>
  <userType>LUIN_SO_NOT_EXIST</userType>
  <baseType>FAIL</baseType>
```

```

    <description>Service object does not exist</description>
  </userDefinedExitType>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>6-0</softwareLoad>
    <technology>IN</technology>
    <neVendor>LU</neVendor>
  </neDescriptor>
  <searchPattern>1803</searchPattern>
  <userType>LUIN_SO_NOT_EXIST</userType>
  <baseType>FAIL</baseType>
  <description>Service object does not exist</description>
</userDefinedExitType>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>6-0</softwareLoad>
    <technology>IN</technology>
    <neVendor>LU</neVendor>
  </neDescriptor>
  <searchPattern>Work order successfully executed</searchPattern>
  <userType>LUIN_WO_SUCCESS</userType>
  <baseType>SUCCEED</baseType>
  <description>Work order successfully executed</description>
</userDefinedExitType>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>6-0</softwareLoad>
    <technology>IN</technology>
    <neVendor>LU</neVendor>
  </neDescriptor>
  <searchPattern>Work order timed out</searchPattern>
  <userType>LUIN_WO_TIMEOUT</userType>
  <baseType>FAIL</baseType>
  <description>Work order timed out</description>
</userDefinedExitType>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>6-0</softwareLoad>
    <technology>IN</technology>
    <neVendor>LU</neVendor>
  </neDescriptor>
  <searchPattern>No reply configured in user exit type file
</searchPattern>
  <userType>LUIN_NO_MATCH</userType>
  <baseType>FAIL</baseType>
  <description>No reply configured in user exit type file</description>
</userDefinedExitType>
</userDefinedExitType>
<userDefinedExitType>
  <neDescriptor>
    <softwareLoad>6-0</softwareLoad>
    <technology>IN</technology>
    <neVendor>LU</neVendor>
  </neDescriptor>

```

```

        </neDescriptor>
        <searchPattern>1431</searchPattern>
        <userType>LUIN_ERROR_AVAIL</userType>
        <baseType>FAIL</baseType>
        <description>Cause of error not available from eSM</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>6-0</softwareLoad>
            <technology>IN</technology>
            <neVendor>LU</neVendor>
        </neDescriptor>
        <searchPattern>SMS application error</searchPattern>
        <userType>LUIN_SMS_APP_ERR</userType>
        <baseType>FAIL</baseType>
        <description>Description goes Here.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>6-0</softwareLoad>
            <technology>IN</technology>
            <neVendor>LU</neVendor>
        </neDescriptor>
        <searchPattern>Request successfully executed</searchPattern>
        <userType>LUIN_REQ_SUCCESS</userType>
        <baseType>SUCCEED</baseType>
        <description>Description goes Here.</description>
    </userDefinedExitType>
    <userDefinedExitType>
        <neDescriptor>
            <softwareLoad>6-0</softwareLoad>
            <technology>IN</technology>
            <neVendor>LU</neVendor>
        </neDescriptor>
        <searchPattern>Query returns more than one record</searchPattern>
        <userType>LUIN_QRY_MULTI_REC</userType>
        <baseType>FAIL</baseType>
        <description>Query returns more than one record.</description>
    </userDefinedExitType>
</serviceModel>

```


Service Definition

The Lucent IN 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 35: 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 35: 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_LU-IN_6-0_ADD_CALL-PARTY-NUM
- ◆ C_LU-IN_6-0_ADD_COS-DEFINITION
- ◆ C_LU-IN_6-0_ADD_COS-FEATURE
- ◆ C_LU-IN_6-0_ADD_COS-RESTRICTION
- ◆ C_LU-IN_6-0_ADD_COS-SCREENING
- ◆ C_LU-IN_6-0_ADD_VPN-SUBSCRIBER
- ◆ C_LU-IN_6-0_CREATE_VPN-ACCOUNT
- ◆ C_LU-IN_6-0_CREATE_VPN-VM
- ◆ C_LU-IN_6-0_DELETE_CALL-PARTY-NUM
- ◆ C_LU-IN_6-0_DELETE_COS-DEFINITION
- ◆ C_LU-IN_6-0_DELETE_COS-FEATURE
- ◆ C_LU-IN_6-0_DELETE_COS-RESTRICTION
- ◆ C_LU-IN_6-0_DELETE_COS-SCREENING
- ◆ C_LU-IN_6-0_DELETE_VPN-ACCOUNT
- ◆ C_LU-IN_6-0_DELETE_VPN-SUBSCRIBER
- ◆ C_LU-IN_6-0_DELETE_VPN-VM
- ◆ C_LU-IN_6-0_MODIFY_COS-DEFINITION
- ◆ C_LU-IN_6-0_MODIFY_COS-FEATURE
- ◆ C_LU-IN_6-0_MODIFY_COS-FEATURE
- ◆ C_LU-IN_6-0_MODIFY_COS-RESTRICTION
- ◆ C_LU-IN_6-0_MODIFY_COS-RESTRICTION
- ◆ C_LU-IN_6-0_MODIFY_COS-SCREENING
- ◆ C_LU-IN_6-0_MODIFY_COS-SCREENING
- ◆ C_LU-IN_6-0_MODIFY_VPN-ACCOUNT
- ◆ C_LU-IN_6-0_MODIFY_VPN-ACCOUNT
- ◆ C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER
- ◆ C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER
- ◆ C_LU-IN_6-0_MODIFY_VPN-VM
- ◆ C_LU-IN_6-0_MODIFY_VPN-VM
- ◆ C_LU-IN_6-0_QUERY_VPN-ACCOUNT
- ◆ C_LU-IN_6-0_QUERY_VPN-ACCOUNT
- ◆ C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER
- ◆ C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

- ◆ C_LU-IN_6-0_QUERY_VPN-VM
- ◆ C_LU-IN_6-0_QUERY_VPN-VM

C_LU-IN_6-0_ADD_CALL-PARTY-NUM

Adds a new entry to the Calling Party Numbers table.

Table 36: C_LU-IN_6-0_ADD_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
CLG_PTY_NUMBER	CLI to searched for.			S	R
CLG_PTY_NUM_ID	Calling party numbers table ID.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O

Table 36: C_LU-IN_6-0_ADD_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 36: C_LU-IN_6-0_ADD_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 37: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_ADD_CALL-PARTY-NUM	A_LU-IN_6-0_ADD_CALL-PARTY-NUM
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_ADD_COS-DEFINITION

Adds a new entry to the Class Of Service table.

Table 38: C_LU-IN_6-0_ADD_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
COS_CODE	Class of Service code.			S	O
COS_FEATURE_ID	Features table ID.			S	R
COS_ID	Class Of Service table ID.			S	R
COS_RESTRICT_ID	Class of Service restrict table ID.			S	R
COS_SCREENING_ID	COS screen table ID.			S	O
GLOBAL_COS_ID	Global COS table ID.			S	O
GPRS_ID	COS GPRS table ID.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R

Table 38: C_LU-IN_6-0_ADD_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
USSD_COS_ID	USSD COS table ID.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 38: C_LU-IN_6-0_ADD_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 39: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_ADD_COS-DEFINITION	A_LU-IN_6-0_ADD_COS-DEFINITION
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_ADD_COS-FEATURE

Adds a new entry to the COS feature table.

Table 40: C_LU-IN_6-0_ADD_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
ABD_OFFNET_SCRNG_ID	ABD OffNet table ID.			S	O
ABD_ONNET_SCRNG_ID	ABD OnNet Screening table ID.			S	O
ACCOUNT_CODE	Account code.			S	O
BILLING_ID	Billing table ID.			S	O
CARRIER_SEL_ID	Carrier selection table ID.			S	O
COS_FEATURE_ID	COS feature table ID.			S	R
CUSTOM_ABRV_DIAL_ID	COS CAD table ID.			S	O
DIRECT_ACCESS_TO_MB X	Direct access to mailbox.			S	O
ESCN2_ID	ESCN2 table ID.			S	O
ESCN_ID	ESCN table ID.			S	O
LOCATION_ABRV_DIAL	Sub location abbreviated dial.			S	O
MENU_ACCESS_ID	Menu access table ID.			S	O

Table 40: C_LU-IN_6-0_ADD_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
MENU_PAD_ID	MAC PAD tableID.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
NOTIFICATION_ID	Notification table ID.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SMS_ID	SMSC table ID.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O

Table 40: C_LU-IN_6-0_ADD_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 41: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_ADD_COS-FEATURE	A_LU-IN_6-0_ADD_COS-FEATURE
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_ADD_COS-RESTRICTION

Adds a new entry to the COS restriction table.

Table 42: C_LU-IN_6-0_ADD_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
ATTENDANT_CALL_PERM	Attendant call permission.			S	O
BREAKOUT_ALLOWED	Breakout allowed.			S	O
COS_RESTRICTION_ID	COS Restriction table ID.			S	R
CUG_PLACE_CALL_PERM	CUG place permissions.			S	O
CUG_RECV_CALL_PERM	CUG receive permissions.			S	O
ECR_PERM	ECR permission.			S	R
EXT_IVPN_CUG_PERM	Extended IVPN CUG permission.			S	R
EXT_IVPN_PERM	Extended IVPN permission.			S	R
EXT_IVPN_SC_PERM	Extended IVPN SC permission.			S	R
FMD_UPDATED_ALLOWED	FMD update allowed.			S	O
GLBL_ABRV_DIAL_PERM	Global abbreviation dial permissions.			S	O

Table 42: C_LU-IN_6-0_ADD_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
LOCAL_CALLS_ALLOWED	Local calls allowed.			S	O
MULTI_GROUP_PERM	Multi group permission.			S	O
MULTI_GRP_SHORT_CODE_PERM	Multi group short code permission.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
OFFNET_ORIG_PERM	OffNet original permission.			S	O
ONNET_IVPN_PERM	OnNet IVPN permission.			S	R
ONNET_ORIG_PERM	OnNet original permission.			S	O
ONNET_SHORT_CODE_PERM	Personal list permission.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
PERSONAL_LIST_PERM	Personal list.			S	O
RES_ONNET_TERM_PERM	OnNet term permission.			S	R
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VALUE_NET_ALLOWED	Value net allowed.			S	O
VIRT_SHORT_CODE_PERM	Virtual short code permission.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 42: C_LU-IN_6-0_ADD_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O

Table 42: C_LU-IN_6-0_ADD_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 43: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_ADD_COS-RESTRICTION	A_LU-IN_6-0_ADD_COS-RESTRICTION
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_ADD_COS-SCREENING

Adds a new entry to the COS screening table.

Table 44: C_LU-IN_6-0_ADD_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
COS_SCREENING_ID	COS Screening table ID.			S	R
ECT_PERM_ID	ECT permission table ID.			S	O
ECT_PERM_TYPE	ECT permission type.			S	R

Table 44: C_LU-IN_6-0_ADD_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
FEATURE_LOC_ID	Feature location table ID.			S	O
FEATURE_LOC_PERM	Feature location permanent.			S	R
FMD_IDS_ID	FMD IDS table ID.			S	O
FMD_IDS_PERM	FMD IDS permissions.			S	R
FMD_NDS_ID	FMD NDS table ID.			S	O
FMD_NDS_PERM	FMD NDS.			S	R
INTERNAT_DEST_ID	International destination table ID.			S	O
INTERNAT_DEST_PERM	International destination permission.			S	R
INTERNAT_LOC_ID	International local table ID.			S	O
INTERNAT_LOC_PERM	International local permission.			S	R
LOCAL_SENST_TRM_ID	Local senst term table id.			S	O
LOCAL_SENST_TRM_PERM	Local senst term permission.			S	R
NATNL_DEST_ID	National destination ID.			S	O
NATNL_DEST_PERM	National destination permission.			S	R
NATNL_LOC_ID	National location table ID.			S	O
NATNL_LOC_PERM	National location permission.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
ONNET_TERM_ID	OnNet TCS table ID.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O

Table 44: C_LU-IN_6-0_ADD_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
ROAMING_CLG_SCRNG_ID	Roaming CLG screen table ID.			S	O
ROAMING_IC_ID	Roaming incoming table ID.			S	O
ROAMING_IC_PERM	Roaming incoming permission.			S	R
SCRN_ONNET_TERM_PERM	OnNet term call permissions.			S	R
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
SPECL_SVC_DEST_ID	Special service destination table ID.			S	O
SPECL_SVC_DEST_PERM	Special service destination permission.			S	R
SPECL_SVC_LOC_ID	Special service loc table ID.			S	O
SPECL_SVC_LOC_PERM	Special service loc permission.			S	R
SUBS_ZONE_LSTS_ID	Subs zone lsts table ID.			S	O
SUBS_ZONE_LSTS_PERM	Subs zone LSTS permission.			S	R
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O

Table 44: C_LU-IN_6-0_ADD_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O

Table 44: C_LU-IN_6-0_ADD_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 45: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_ADD_COS-SCREENING	A_LU-IN_6-0_ADD_COS-SCREENING
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Adds an eVPN subscriber.

Table 46: C_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	R
AUTHENTICATION_TYPE	Authentication ID type.			S	O
CLASS_OF_SERVICE_ID	Class of Service ID.			S	O
CLG_PERMN_TBL_ID	Incoming Call Screening based on Calling Party Number feature.			S	O

Table 46: C_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
CLG_PERMN_TBL_PERMNS	Incoming Call Screening based on Calling Party Number feature table permissions.			S	O
CUT_AND_PASTE	Important Field for PBX PREFIX definition It can be set for PBX Root entries. Since the private numbering plan for fixed users is not yet defined, this flag has to be set always to(that is, the default value).			S	O
HLR_INDEX	HLR NRN Index.This field is defined for mobile users when the ATI operation is supported.			S	O
ICS_USING_CLG_PERMN	Flag that indicates whether ICS based on Calling Party Number is enabled. This field can be updated through the USSD Interface.			S	O
MAILBOX_NUMBER	Mailbox of the mobile user in E.164 format.			S	O
MBR_NBR_RNGE_DEFINED	This flag indicates if the NRN is expanded for numeration corresponding to PBX RANGE.			S	O
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	O
NBR_RANGE_SIZE	PBX range definition.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R

Table 46: C_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
ROAMING_COS_ID	Roaming permissions.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
SUBS_TIME_CNTRL	Time Control subscription flag.			S	O
SVCE_PROVIDER	Description of service provider.			S	O
TERMINAL_TYPE	Distinction between Mobile and Fixed users.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short code.			S	R
VPN_CODE_LENGTH	Length of the VPN code.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O

Table 46: C_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 46: C_LU-IN_6-0_ADD_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
ZONE	Zone Determination Critic. This flag determines the behavior if the ATI operation fails.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 47: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_ADD_VPN-SUBSCRIBER	A_LU-IN_6-0_ADD_VPN-SUBSCRIBER
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_CREATE_VPN-ACCOUNT

Adds an eVPN account.

Table 48: C_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
ABD_OFFNET_SCRNG_ID	ABD OffNet table ID.			S	O
ABD_ONNET_SCRNG_ID	ABD OnNet Screening table ID.			S	O
ACCOUNT_CODE	Account code.			S	O
ACCOUNT_LANG	Account Language.			S	O
APPLY_BILLING	Apply Billing.			S	O

Table 48: C_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
ATTENDANT_CALL_PERM	Attendant call permission.			S	O
BILLING_ID	Billing table ID.			S	O
BREAKOUT_ALLOWED	Breakout allowed.			S	O
CALLG_CRIT_FOR_ICS	Calling critical for ICS.			S	O
CARRIER_SEL_ID	Carrier selection table ID.			S	O
CDPNLOC_ORIG_ONNET	Determ CdPNLoc OrigOnnet.			S	O
CLG_PTY_NUMBER	CLI to searched for.			S	O
CLG_PTY_NUM_ID	Calling party numbers table ID.			S	O
COS_CODE	Class of Service code.			S	O
COS_FEATURE_ID	Features table ID.			S	R
COS_ID	Class Of Service table ID.			S	R
COS_RESTRICTION_ID	COS Restriction table ID.			S	R
COS_RESTRICT_ID	Class of Service restrict table ID.			S	R
COS_SCREENING_ID	COS Screening table ID.			S	R
CUG_PLACE_CALL_PERM	CUG place permissions.			S	O
CUG_RECV_CALL_PERM	CUG receive permissions.			S	O
CUSTOM_ABRV_DIAL_ID	COS CAD table ID.			S	O
DIRECT_ACCESS_TO_MB X	Direct access to mailbox.			S	O
ECR_PERM	ECR permission.			S	R
ECT_PERM_ID	ECT permission table ID.			S	O
ECT_PERM_TYPE	ECT permission type.			S	R
ESCN2_ID	ESCN2 table ID.			S	O

Table 48: C_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
ESCN_ID	ESCN table ID.			S	O
EXT_IVPN_CUG_PERM	Extended IVPN CUG permission.			S	R
EXT_IVPN_PERM	Extended IVPN permission.			S	R
EXT_IVPN_SC_PERM	Extended IVPN SC permission.			S	R
FEATURE_LOC_ID	Feature location table ID.			S	O
FEATURE_LOC_PERM	Feature location permanent.			S	R
FMD_IDS_ID	FMD IDS table ID.			S	O
FMD_IDS_PERM	FMD IDS permissions.			S	R
FMD_NDS_ID	FMD NDS table ID.			S	O
FMD_NDS_PERM	FMD NDS.			S	R
FMD_UPDATED_ALLOWED	FMD update allowed.			S	O
GLBL_ABRV_DIAL_PERM	Global abbreviation dial permissions.			S	O
GLOBAL_COS_ID	Global COS table ID.			S	O
GPRS_ID	COS GPRS table ID.			S	O
INTERNAT_DEST_ID	International destination table ID.			S	O
INTERNAT_DEST_PERM	International destination permission.			S	R
INTERNAT_LOC_ID	International local table ID.			S	O
INTERNAT_LOC_PERM	International local permission.			S	R
LOCAL_CALLS_ALLOWED	Local calls allowed.			S	O

Table 48: C_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
LOCAL_SENST_TRM_ID	Local sensst term table id.			S	O
LOCATION_ABRV_DIAL	Sub location abbreviated dial.			S	O
MAX_VPN_CODES	Maximum number of VPN Codes.			S	O
MENU_ACCESS_ID	Menu access table ID.			S	O
MENU_PAD_ID	MAC PAD tableID.			S	O
MULTI_GROUP_PERM	Multi group permission.			S	O
MULTI_GRP_SHORT_CODE_PERM	Multi group short code permission.			S	O
NATNL_DEST_ID	National destination ID.			S	O
NATNL_DEST_PERM	National destination permission.			S	R
NATNL_LOC_ID	National location table ID.			S	O
NATNL_LOC_PERM	National location permission.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
NOTIFICATION_ID	Notification table ID.			S	O
NOTIFICATION_TABLE_ID	Notification table Identification.			S	O
OFFNET_ORIG_PERM	OffNet original permission.			S	O
ONNET_IVPN_PERM	OnNet IVPN permission.			S	R
ONNET_ORIG_PERM	OnNet original permission.			S	O
ONNET_SHORT_CODE_PERMISSION	Personal list permission.			S	O
ONNET_TERM_ID	OnNet TCS table ID.			S	O

Table 48: C_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
PERSONAL_LIST_PERM	Personal list.			S	O
PTY_TO_APPLY_ICS	Party To Apply ICS.			S	O
RANGE_TABLES	Range tables.			S	O
RES_ONNET_TERM_PERM	OnNet term permission.			S	R
ROAMING_CLG_SCRNG_ID	Roaming CLG screen table ID.			S	O
ROAMING_IC_ID	Roaming incomming table ID.			S	O
ROAMING_IC_PERM	Roaming incomming permission.			S	R
SCRN_ONNET_TERM_PERM	OnNet term call permissions.			S	R
SED_PREFIXES	SED Prefixes.			S	O
SED_RANGES	SED Ranges.			S	O
SMS_ID	SMSC table ID.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
SPECL_SVC_DEST_ID	Special service destination table ID.			S	O
SPECL_SVC_DEST_PERM	Special service destination permission.			S	R
SPECL_SVC_LOC_ID	Special service loc table ID.			S	O
SPECL_SVC_LOC_PERM	Special service loc permission.			S	R

Table 48: C_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
SUBS_CLOSED_USR_GRP	Sub Closed User Group.			S	O
SUBS_FORCD_ONNET	Subscriber forced Onnet.			S	O
SUBS_OFFNET_CALLING	Subscriber Offnet Calling.			S	O
SUBS_TIME_CNTRL	Time Control subscription flag.			S	O
SUBS_ZONE_LSTS_ID	Subs zone lsts table ID.			S	O
SUBS_ZONE_LSTS_PERM	Subs zone LSTS permission.			S	R
SUB_CALLG_DSPLY	Subscribe CLG Display.			S	O
SUB_CG_PRFX_AUTH	Sub CG Prefix Authentication.			S	O
SUB_DIRECT_TO_VM	Subscribe direct to Voice mail.			S	O
SUB_EXTND_VIRT_ONNET	Sub Extended VirtualOnNet.			S	O
SUB_IC_CALL_SCRNG	Subscriber Inc call screening.			S	O
SUB_TERM_CALL_SCRNG	Subscriber term call screening.			S	O
USSD_COS_ID	USSD COS table ID.			S	O
VALUE_NET_ALLOWED	Value net allowed.			S	O
VIRT_SHORT_CODE_PERM	Virtual short code permission.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R
VPN_DEFAULT_COS	VPN default class of service.			S	O

Table 48: C_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O

Table 48: C_LU-IN_6-0_CREATE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
WO_NUMBER	Unique Work Order Number.			S	R

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 49: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_CREATE_VPN-ACCOUNT	A_LU-IN_6-0_CREATE_VPN-ACCOUNT
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_CREATE_VPN-VM

Adds an eVPN virtual member.

Table 50: C_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
ENTRY_PROFILE_TYPE	Entry profile type defaulted from comm_param.			S	O

Table 50: C_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
EXPANDED_NRN_MAPPING	Expanded NRN Mapping defaulted from comm_param.			S	O
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SED_CUG_PERMISSION_1	CUG permission 1.			S	O
SED_CUG_PERMISSION_10	CUG permission 10.			S	O
SED_CUG_PERMISSION_11	CUG permission 11.			S	O
SED_CUG_PERMISSION_12	CUG permission 12.			S	O
SED_CUG_PERMISSION_13	CUG permission 13.			S	O
SED_CUG_PERMISSION_14	CUG permission 14.			S	O
SED_CUG_PERMISSION_15	CUG permission 15.			S	O
SED_CUG_PERMISSION_16	CUG permission 16.			S	O
SED_CUG_PERMISSION_2	CUG permission 2.			S	O
SED_CUG_PERMISSION_3	CUG permission 3.			S	O
SED_CUG_PERMISSION_4	CUG permission 4.			S	O
SED_CUG_PERMISSION_5	CUG permission 5.			S	O

Table 50: C_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
SED_CUG_PERMISSION_6	CUG permission 6.			S	O
SED_CUG_PERMISSION_7	CUG permission 7.			S	O
SED_CUG_PERMISSION_8	CUG permission 8.			S	O
SED_CUG_PERMISSION_9	CUG permission 9.			S	O
SED_CUT_AND_PASTE	Cut and paste flag defaulted from comm_param.			S	O
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
TERMINAL_TYPE	Terminal Type.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param. As this is an enumeration the String value from the parameter must be translated to the enumerated value.			S	O
VIRT_ONNET_FEATURE_2	Extended Virtual On-Net feature 2 name defaulted from comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O

Table 50: C_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_CODE	Short Dial Code Passed from Siebel.			S	R
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAMES	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O

Table 50: C_LU-IN_6-0_CREATE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 51: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_CREATE_VPN-VM	A_LU-IN_6-0_CREATE_VPN-VM
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_DELETE_CALL-PARTY-NUM

Deletes an entry from the Calling Party Numbers table.

Table 52: C_LU-IN_6-0_DELETE_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
CLG_PTY_NUMBER	CLI to searched for.			S	R
CLG_PTY_NUM_ID	Calling party numbers table ID.			S	R

Table 52: C_LU-IN_6-0_DELETE_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 52: C_LU-IN_6-0_DELETE_CALL-PARTY-NUM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 53: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_DELETE_CALL-PARTY-NUM	A_LU-IN_6-0_DELETE_CALL-PARTY-NUM
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_DELETE_COS-DEFINITION

Deletes an entry from the Class Of Service table.

Table 54: C_LU-IN_6-0_DELETE_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
COS_ID	Class Of Service table ID.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O

Table 54: C_LU-IN_6-0_DELETE_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 54: C_LU-IN_6-0_DELETE_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 55: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_DELETE_COS-DEFINITION	A_LU-IN_6-0_DELETE_COS-DEFINITION
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_DELETE_COS-FEATURE

Deletes an entry from the COS feature table.

Table 56: C_LU-IN_6-0_DELETE_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
COS_FEATURE_ID	COS feature table ID.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O

Table 56: C_LU-IN_6-0_DELETE_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O

Table 56: C_LU-IN_6-0_DELETE_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 57: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_DELETE_COS-FEATURE	A_LU-IN_6-0_DELETE_COS-FEATURE
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_DELETE_COS-RESTRICTION

Deletes an entry from the COS restriction table.

Table 58: C_LU-IN_6-0_DELETE_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
COS_RESTRICTION_ID	COS Restriction table ID.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O

Table 58: C_LU-IN_6-0_DELETE_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O

Table 58: C_LU-IN_6-0_DELETE_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 59: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_DELETE_COS-RESTRICTION	A_LU-IN_6-0_DELETE_COS-RESTRICTION
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_DELETE_COS-SCREENING

Deletes an entry from the COS screening table.

Table 60: C_LU-IN_6-0_DELETE_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
COS_SCREENING_ID	COS Screening table ID.			S	R

Table 60: C_LU-IN_6-0_DELETE_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 60: C_LU-IN_6-0_DELETE_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 61: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_DELETE_COS-SCREENING	A_LU-IN_6-0_DELETE_COS-SCREENING
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_DELETE_VPN-ACCOUNT

Deletes an eVPN account.

Table 62: C_LU-IN_6-0_DELETE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O

Table 62: C_LU-IN_6-0_DELETE_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 63: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_DELETE_VPN-ACCOUNT	A_LU-IN_6-0_DELETE_VPN-ACCOUNT
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_DELETE_VPN-SUBSCRIBER

Deletes an eVPN subscriber.

Table 64: C_LU-IN_6-0_DELETE_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	R
AUTHENTICATION_TYPE	Authentication ID type.			S	O
MEMBER_NUMBER	NRN Prefix.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 64: C_LU-IN_6-0_DELETE_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short code.			S	R
VPN_CODE_LENGTH	Length of the VPN code.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O

Table 64: C_LU-IN_6-0_DELETE_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 65: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_DELETE_VPN-SUBSCRIBER	A_LU-IN_6-0_DELETE_VPN-SUBSCRIBER
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_DELETE_VPN-VM

Deletes an eVPN virtual member.

Table 66: C_LU-IN_6-0_DELETE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O

Table 66: C_LU-IN_6-0_DELETE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short Dial Code Passed from Siebel. This value may contain trailing.			S	R
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O

Table 66: C_LU-IN_6-0_DELETE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O

Table 66: C_LU-IN_6-0_DELETE_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 67: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_DELETE_VPN-VM	A_LU-IN_6-0_DELETE_VPN-VM
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_COS-DEFINITION

Modifies an entry in the Class Of Service table.

Table 68: C_LU-IN_6-0_MODIFY_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
COS_CODE	Class of Service code.			S	O
COS_FEATURE_ID	Features table ID.			S	O
COS_ID	Class Of Service table ID.			S	R
COS_RESTRICT_ID	Class of Service restrict table ID.			S	O
COS_SCREENING_ID	COS screen table ID.			S	O

Table 68: C_LU-IN_6-0_MODIFY_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
GLOBAL_COS_ID	Global COS table ID.			S	O
GPRS_ID	COS GPRS table ID.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
USSD_COS_ID	USSD COS table ID.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O

Table 68: C_LU-IN_6-0_MODIFY_COS-DEFINITION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 69: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_COS-DEFINITION	A_LU-IN_6-0_MODIFY_COS-DEFINITION
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_COS-FEATURE

Modifies an entry in the COS feature table.

Table 70: C_LU-IN_6-0_MODIFY_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
ABD_OFFNET_SCRNG_ID	ABD OffNet table ID.			S	O
ABD_ONNET_SCRNG_ID	ABD OnNet Screening table ID.			S	O
ACCOUNT_CODE	Account code.			S	O
BILLING_ID	Billing table ID.			S	O
CARRIER_SEL_ID	Carrier selection table ID.			S	O
COS_FEATURE_ID	COS feature table ID.			S	R
CUSTOM_ABRV_DIAL_ID	COS CAD table ID.			S	O
DIRECT_ACCESS_TO_MB X	Direct access to mailbox.			S	O
ESCN2_ID	ESCN2 table ID.			S	O
ESCN_ID	ESCN table ID.			S	O
LOCATION_ABRV_DIAL	Sub location abbreviated dial.			S	O
MENU_ACCESS_ID	Menu access table ID.			S	O

Table 70: C_LU-IN_6-0_MODIFY_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
MENU_PAD_ID	MAC PAD tableID.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
NOTIFICATION_ID	Notification table ID.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SMS_ID	SMSC table ID.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O

Table 70: C_LU-IN_6-0_MODIFY_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 71: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_COS-FEATURE	A_LU-IN_6-0_MODIFY_COS-FEATURE
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_COS-FEATURE

Modifies an entry in the COS feature table.

Table 72: C_LU-IN_6-0_MODIFY_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
ABD_OFFNET_SCRNG_ID	ABD OffNet table ID.			S	O
ABD_ONNET_SCRNG_ID	ABD OnNet Screening table ID.			S	O
ACCOUNT_CODE	Account code.			S	O
BILLING_ID	Billing table ID.			S	O
CARRIER_SEL_ID	Carrier selection table ID.			S	O
COS_FEATURE_ID	COS feature table ID.			S	R
CUSTOM_ABRV_DIAL_ID	COS CAD table ID.			S	O
DIRECT_ACCESS_TO_MB X	Direct access to mailbox.			S	O
ESCN2_ID	ESCN2 table ID.			S	O
ESCN_ID	ESCN table ID.			S	O
LOCATION_ABRV_DIAL	Sub location abbreviated dial.			S	O
MENU_ACCESS_ID	Menu access table ID.			S	O

Table 72: C_LU-IN_6-0_MODIFY_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
MENU_PAD_ID	MAC PAD tableID.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
NOTIFICATION_ID	Notification table ID.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SMS_ID	SMSC table ID.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O

Table 72: C_LU-IN_6-0_MODIFY_COS-FEATURE

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 73: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_COS-FEATURE	A_LU-IN_6-0_MODIFY_COS-FEATURE
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Modifies an entry in the COS restriction table.

Table 74: C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
ATTENDANT_CALL_PERM	Attendant call permission.			S	O
BREAKOUT_ALLOWED	Breakout allowed.			S	O
COS_RESTRICTION_ID	COS Restriction table ID.			S	R
CUG_PLACE_CALL_PERM	CUG place permissions.			S	O
CUG_RECV_CALL_PERM	CUG receive permissions.			S	O
ECR_PERM	ECR permission.			S	O
EXT_IVPN_CUG_PERM	Extended IVPN CUG permission.			S	O
EXT_IVPN_PERM	Extended IVPN permission.			S	O
EXT_IVPN_SC_PERM	Extended IVPN SC permission.			S	O
FMD_UPDATED_ALLOWED	FMD update allowed.			S	O
GLBL_ABRV_DIAL_PERM	Global abbreviation dial permissions.			S	O

Table 74: C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
LOCAL_CALLS_ALLOWED	Local calls allowed.			S	O
MULTI_GROUP_PERM	Multi group permission.			S	O
MULTI_GRP_SHORT_CODE_PERM	Multi group short code permission.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
OFFNET_ORIG_PERM	OffNet original permission.			S	O
ONNET_IVPN_PERM	OnNet IVPN permission.			S	O
ONNET_ORIG_PERM	OnNet original permission.			S	O
ONNET_SHORT_CODE_PERM	Personal list permission.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
PERSONAL_LIST_PERM	Personal list.			S	O
RES_ONNET_TERM_PERM	OnNet term permission.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VALUE_NET_ALLOWED	Value net allowed.			S	O
VIRT_SHORT_CODE_PERM	Virtual short code permission.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 74: C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O

Table 74: C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 75: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_COS-RESTRICTION	A_LU-IN_6-0_MODIFY_COS-RESTRICTION
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Modifies an entry in the COS restriction table.

Table 76: C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
ATTENDANT_CALL_PERM	Attendant call permission.			S	O
BREAKOUT_ALLOWED	Breakout allowed.			S	O
COS_RESTRICTION_ID	COS Restriction table ID.			S	R

Table 76: C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
CUG_PLACE_CALL_PERM	CUG place permissions.			S	O
CUG_RECV_CALL_PERM	CUG receive permissions.			S	O
ECR_PERM	ECR permission.			S	O
EXT_IVPN_CUG_PERM	Extended IVPN CUG permission.			S	O
EXT_IVPN_PERM	Extended IVPN permission.			S	O
EXT_IVPN_SC_PERM	Extended IVPN SC permission.			S	O
FMD_UPDATED_ALLOWED	FMD update allowed.			S	O
GLBL_ABRV_DIAL_PERM	Global abbreviation dial permissions.			S	O
LOCAL_CALLS_ALLOWED	Local calls allowed.			S	O
MULTI_GROUP_PERM	Multi group permission.			S	O
MULTI_GRP_SHORT_CODE_PERM	Multi group short code permission.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
OFFNET_ORIG_PERM	OffNet original permission.			S	O
ONNET_IVPN_PERM	OnNet IVPN permission.			S	O
ONNET_ORIG_PERM	OnNet original permission.			S	O
ONNET_SHORT_CODE_PERM	Personal list permission.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
PERSONAL_LIST_PERM	Personal list.			S	O

Table 76: C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
RES_ONNET_TERM_PERM	OnNet term permission.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VALUE_NET_ALLOWED	Value net allowed.			S	O
VIRT_SHORT_CODE_PERM	Virtual short code permission.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 76: C_LU-IN_6-0_MODIFY_COS-RESTRICTION

Parameter Name	Description	Range	Default Value	Type	Class
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 77: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_COS-RESTRICTION	A_LU-IN_6-0_MODIFY_COS-RESTRICTION
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_COS-SCREENING

Modifies an entry in the COS screening table.

Table 78: C_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
COS_SCREENING_ID	COS Screening table ID.			S	R
ECT_PERM_ID	ECT permission table ID.			S	O
ECT_PERM_TYPE	ECT permission type.			S	O
FEATURE_LOC_ID	Feature location table ID.			S	O
FEATURE_LOC_PERM	Feature location permanent.			S	O
FMD_IDS_ID	FMD IDS table ID.			S	O
FMD_IDS_PERM	FMD IDS permissions.			S	O
FMD_NDS_ID	FMD NDS table ID.			S	O
FMD_NDS_PERM	FMD NDS.			S	O
INTERNAT_DEST_ID	International destination table ID.			S	O
INTERNAT_DEST_PERM	International destination permission.			S	O
INTERNAT_LOC_ID	International local table ID.			S	O

Table 78: C_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
INTERNAT_LOC_PERM	International local permission.			S	O
LOCAL_SENST_TRM_ID	Local sensst term table id.			S	O
LOCAL_SENST_TRM_PERM	Local sensst term permission.			S	O
NATNL_DEST_ID	National destination ID.			S	O
NATNL_DEST_PERM	National destination permission.			S	O
NATNL_LOC_ID	National location table ID.			S	O
NATNL_LOC_PERM	National location permission.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
ONNET_TERM_ID	OnNet TCS table ID.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
ROAMING_CLG_SCRNG_ID	Roaming CLG screen table ID.			S	O
ROAMING_IC_ID	Roaming incomming table ID.			S	O
ROAMING_IC_PERM	Roaming incomming permission.			S	O
SCRN_ONNET_TERM_PERM	OnNet term call permissions.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
SPECL_SVC_DEST_ID	Special service destination table ID.			S	O

Table 78: C_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
SPECL_SVC_DEST_PERM	Special service destination permission.			S	O
SPECL_SVC_LOC_ID	Special service loc table ID.			S	O
SPECL_SVC_LOC_PERM	Special service loc permission.			S	O
SUBS_ZONE_LSTS_ID	Subs zone lsts table ID.			S	O
SUBS_ZONE_LSTS_PERM	Subs zone LSTS permission.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O

Table 78: C_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 79: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_COS-SCREENING	A_LU-IN_6-0_MODIFY_COS-SCREENING
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_COS-SCREENING

Modifies an entry in the COS screening table.

Table 80: C_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
COS_SCREENING_ID	COS Screening table ID.			S	R
ECT_PERM_ID	ECT permission table ID.			S	O
ECT_PERM_TYPE	ECT permission type.			S	O
FEATURE_LOC_ID	Feature location table ID.			S	O
FEATURE_LOC_PERM	Feature location permanent.			S	O
FMD_IDS_ID	FMD IDS table ID.			S	O
FMD_IDS_PERM	FMD IDS permissions.			S	O
FMD_NDS_ID	FMD NDS table ID.			S	O
FMD_NDS_PERM	FMD NDS.			S	O
INTERNAT_DEST_ID	International destination table ID.			S	O
INTERNAT_DEST_PERM	International destination permission.			S	O
INTERNAT_LOC_ID	International local table ID.			S	O
INTERNAT_LOC_PERM	International local permission.			S	O
LOCAL_SENST_TRM_ID	Local sensst term table id.			S	O
LOCAL_SENST_TRM_PERM	Local sensst term permission.			S	O
NATNL_DEST_ID	National destination ID.			S	O
NATNL_DEST_PERM	National destination permission.			S	O
NATNL_LOC_ID	National location table ID.			S	O
NATNL_LOC_PERM	National location permission.			S	O

Table 80: C_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_LU-IN	Host NE identifier.			S	R
ONNET_TERM_ID	OnNet TCS table ID.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
ROAMING_CLG_SCRNG_ID	Roaming CLG screen table ID.			S	O
ROAMING_IC_ID	Roaming incoming table ID.			S	O
ROAMING_IC_PERM	Roaming incoming permission.			S	O
SCRN_ONNET_TERM_PERM	OnNet term call permissions.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
SPECL_SVC_DEST_ID	Special service destination table ID.			S	O
SPECL_SVC_DEST_PERM	Special service destination permission.			S	O
SPECL_SVC_LOC_ID	Special service loc table ID.			S	O
SPECL_SVC_LOC_PERM	Special service loc permission.			S	O
SUBS_ZONE_LSTS_ID	Subs zone lsts table ID.			S	O
SUBS_ZONE_LSTS_PERM	Subs zone LSTS permission.			S	O

Table 80: C_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	The VPN Account name.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O

Table 80: C_LU-IN_6-0_MODIFY_COS-SCREENING

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 81: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_COS-SCREENING	A_LU-IN_6-0_MODIFY_COS-SCREENING
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Modifies an eVPN account.

Table 82: C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
ACCOUNT_LANG	Account Language.			S	O

Table 82: C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
APPLY_BILLING	Apply Billing.			S	O
CALLG_CRIT_FOR_ICS	Calling critical for ICS.			S	O
CDPNLOC_ORIG_ONNET	Determ CdPNLoc OrigOnnet.			S	O
MAX_VPN_CODES	Maximum number of VPN Codes.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
NOTIFICATION_TABLE_ID	Notification table Identification.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
PTY_TO_APPLY_ICS	Party To Apply ICS.			S	O
RANGE_TABLES	Range tables.			S	O
SED_PREFIXES	SED Prefixes.			S	O
SED_RANGES	SED Ranges.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
SUBS_CLOSED_USR_GRP	Sub Closed User Group.			S	O
SUBS_FORCD_ONNET	Subscriber forced Onnet.			S	O
SUBS_OFFNET_CALLING	Subscriber Offnet Calling.			S	O
SUBS_TIME_CNTRL	Subscribe Time control.			S	O
SUB_CALLG_DSPLY	Subscribe CLG Display.			S	O
SUB_CG_PRFX_AUTH	Sub CG Prefix Authentication.			S	O

Table 82: C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
SUB_DIRECT_TO_VM	Subscribe direct to Voice mail.			S	O
SUB_EXTND_VIRT_ONNET	Sub Extended VirtualOnNet.			S	O
SUB_IC_CALL_SCRNG	Subscriber Inc call screening.			S	O
SUB_TERM_CALL_SCRNG	Subscriber term call screening.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R
VPN_DEFAULT_COS	VPN default class of service.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAMES	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 82: C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			C	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 83: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_VPN-ACCOUNT	A_LU-IN_6-0_MODIFY_VPN-ACCOUNT
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Modifies an eVPN account.

Table 84: C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
ACCOUNT_LANG	Account Language.			S	O
APPLY_BILLING	Apply Billing.			S	O
CALLG_CRIT_FOR_ICS	Calling critical for ICS.			S	O
CDPNLOC_ORIG_ONNET	Determ CdPNLoc OrigOnnet.			S	O
MAX_VPN_CODES	Maximum number of VPN Codes.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
NOTIFICATION_TABLE_ID	Notification table Identification.			S	O
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
PTY_TO_APPLY_ICS	Party To Apply ICS.			S	O
RANGE_TABLES	Range tables.			S	O
SED_PREFIXES	SED Prefixes.			S	O

Table 84: C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
SED_RANGES	SED Ranges.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
SUBS_CLOSED_USR_GRP	Sub Closed User Group.			S	O
SUBS_FORCD_ONNET	Subscriber forced Onnet.			S	O
SUBS_OFFNET_CALLING	Subscriber Offnet Calling.			S	O
SUBS_TIME_CNTRL	Subscribe Time control.			S	O
SUB_CALLG_DSPLY	Subscribe CLG Display.			S	O
SUB_CG_PRFX_AUTH	Sub CG Prefix Authentication.			S	O
SUB_DIRECT_TO_VM	Subscribe direct to Voice mail.			S	O
SUB_EXTND_VIRT_ONNET	Sub Extended VirtualOnNet.			S	O
SUB_IC_CALL_SCRNG	Subscriber Inc call screening.			S	O
SUB_TERM_CALL_SCRNG	Subscriber term call screening.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R
VPN_DEFAULT_COS	VPN default class of service.			S	O

Table 84: C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAMES	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			C	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O

Table 84: C_LU-IN_6-0_MODIFY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 85: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_VPN-ACCOUNT	A_LU-IN_6-0_MODIFY_VPN-ACCOUNT
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Modifies an eVPN subscriber.

Table 86: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	R
AUTHENTICATION_TYPE	Authentication ID type.			S	O
CLASS_OF_SERVICE_ID	Class of Service ID.			S	O
CLG_PERMN_TBL_ID	Incoming Call Screening based on Calling Party Number feature.			S	O

Table 86: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
CLG_PERMN_TBL_PERMNS	Incoming Call Screening based on Calling Party Number feature table permissions.			S	O
CUT_AND_PASTE	Important Field for PBX PREFIX definition It can be set to for PBX Root entries. Since the private numbering plan for fixed users is not yet defined, this flag has to be set always to (that is, the default value).			S	O
HLR_INDEX	HLR NRN Index.This field is defined for mobile users when the ATI operation is supported.			S	O
ICS_USING_CLG_PERMN	Flag that indicates whether ICS based on Calling Party Number is enabled. This field can be updated through the USSD Interface.			S	O
MAILBOX_NUMBER	Mailbox of the mobile user in E.164 format.			S	O
MBR_NBR_RNGE_DEFINED	This flag indicates if the NRN is expanded for numeration corresponding to PBX RANGE.			S	O
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	O
NBR_RANGE_SIZE	PBX range definition.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R

Table 86: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
ROAMING_COS_ID	Roaming permissions.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
SUBS_TIME_CNTRL	Time Control subscription flag.			S	O
SVCE_PROVIDER	Description of service provider.			S	O
TERMINAL_TYPE	Distinction between Mobile and Fixed users.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short code.			S	R
VPN_CODE_LENGTH	Length of the VPN code.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O

Table 86: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 86: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
ZONE	Zone Determination Critic. This flag determines the behavior if the ATI operation fails.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 87: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER	A_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Modifies an eVPN subscriber.

Table 88: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	R
AUTHENTICATION_TYPE	Authentication ID type.			S	O
CLASS_OF_SERVICE_ID	Class of Service ID.			S	O
CLG_PERMN_TBL_ID	Incoming Call Screening based on Calling Party Number feature.			S	O

Table 88: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
CLG_PERMN_TBL_PERMNS	Incoming Call Screening based on Calling Party Number feature table permissions.			S	O
CUT_AND_PASTE	Important Field for PBX PREFIX definition It can be set to for PBX Root entries. Since the private numbering plan for fixed users is not yet defined, this flag has to be set always to (that is, the default value).			S	O
HLR_INDEX	HLR NRN Index.This field is defined for mobile users when the ATI operation is supported.			S	O
ICS_USING_CLG_PERMN	Flag that indicates whether ICS based on Calling Party Number is enabled. This field can be updated through the USSD Interface.			S	O
MAILBOX_NUMBER	Mailbox of the mobile user in E.164 format.			S	O
MBR_NBR_RNGE_DEFINED	This flag indicates if the NRN is expanded for numeration corresponding to PBX RANGE.			S	O
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	O
NBR_RANGE_SIZE	PBX range definition.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R

Table 88: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
ROAMING_COS_ID	Roaming permissions.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
SUBS_TIME_CNTRL	Time Control subscription flag.			S	O
SVCE_PROVIDER	Description of service provider.			S	O
TERMINAL_TYPE	Distinction between Mobile and Fixed users.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short code.			S	R
VPN_CODE_LENGTH	Length of the VPN code.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O

Table 88: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 88: C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O
ZONE	Zone Determination Critic. This flag determines the behavior if the ATI operation fails.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 89: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER	A_LU-IN_6-0_MODIFY_VPN-SUBSCRIBER
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_VPN-VM

Modifies an eVPN virtual member.

Table 90: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
ENTRY_PROFILE_TYPE	Entry profile type defaulted from comm_param.			S	O
EXPANDED_NRN_MAPPING	Expanded NRN Mapping defaulted from comm_param.			S	O

Table 90: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SED_CUG_PERMISSION_1	CUG permission 1.			S	O
SED_CUG_PERMISSION_10	CUG permission 10.			S	O
SED_CUG_PERMISSION_11	CUG permission 11.			S	O
SED_CUG_PERMISSION_12	CUG permission 12.			S	O
SED_CUG_PERMISSION_13	CUG permission 13.			S	O
SED_CUG_PERMISSION_14	CUG permission 14.			S	O
SED_CUG_PERMISSION_15	CUG permission 15.			S	O
SED_CUG_PERMISSION_16	CUG permission 16.			S	O
SED_CUG_PERMISSION_2	CUG permission 2.			S	O
SED_CUG_PERMISSION_3	CUG permission 3.			S	O
SED_CUG_PERMISSION_4	CUG permission 4.			S	O
SED_CUG_PERMISSION_5	CUG permission 5.			S	O
SED_CUG_PERMISSION_6	CUG permission 6.			S	O

Table 90: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
SED_CUG_PERMISSION_7	CUG permission 7.			S	O
SED_CUG_PERMISSION_8	CUG permission 8.			S	O
SED_CUG_PERMISSION_9	CUG permission 9.			S	O
SED_CUT_AND_PASTE	Cut and paste flag defaulted from comm_param.			S	O
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
TERMINAL_TYPE	Terminal Type.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param.As this is an enumeration the String value from the parameter must be translated to the enumerated value.			S	O
VIRT_ONNET_FEATURE_2	Extended Virtual On-Net feature 2 name defaulted from comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O

Table 90: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_CODE	Short Dial Code Passed from Siebel. This value may contain trailing.			S	R
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O

Table 90: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 91: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_VPN-VM	A_LU-IN_6-0_MODIFY_VPN-VM
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_MODIFY_VPN-VM

Modifies an eVPN virtual member.

Table 92: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O

Table 92: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
ENTRY_PROFILE_TYPE	Entry profile type defaulted from comm_param.			S	O
EXPANDED_NRN_MAPPING	Expanded NRN Mapping defaulted from comm_param.			S	O
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SED_CUG_PERMISSION_1	CUG permission 1.			S	O
SED_CUG_PERMISSION_10	CUG permission 10.			S	O
SED_CUG_PERMISSION_11	CUG permission 11.			S	O
SED_CUG_PERMISSION_12	CUG permission 12.			S	O
SED_CUG_PERMISSION_13	CUG permission 13.			S	O
SED_CUG_PERMISSION_14	CUG permission 14.			S	O
SED_CUG_PERMISSION_15	CUG permission 15.			S	O
SED_CUG_PERMISSION_16	CUG permission 16.			S	O
SED_CUG_PERMISSION_2	CUG permission 2.			S	O
SED_CUG_PERMISSION_3	CUG permission 3.			S	O

Table 92: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
SED_CUG_PERMISSION_4	CUG permission 4.			S	O
SED_CUG_PERMISSION_5	CUG permission 5.			S	O
SED_CUG_PERMISSION_6	CUG permission 6.			S	O
SED_CUG_PERMISSION_7	CUG permission 7.			S	O
SED_CUG_PERMISSION_8	CUG permission 8.			S	O
SED_CUG_PERMISSION_9	CUG permission 9.			S	O
SED_CUT_AND_PASTE	Cut and paste flag defaulted from comm_param.			S	O
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
TERMINAL_TYPE	Terminal Type.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param.As this is an enumeration the String value from the parameter must be translated to the enumerated value.			S	O
VIRT_ONNET_FEATURE_2	Extended Virtual On-Net feature 2 name defaulted from comm_param.			S	O

Table 92: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short Dial Code Passed from Siebel. This value may contain trailing.			S	R
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 92: C_LU-IN_6-0_MODIFY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 93: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_MODIFY_VPN-VM	A_LU-IN_6-0_MODIFY_VPN-VM
	A_LU-IN_6-0_STOP_ACTION
	A_LU-IN_6-0_RESUME_ACTION

C_LU-IN_6-0_QUERY_VPN-ACCOUNT

Retrieves an eVPN account.

Table 94: C_LU-IN_6-0_QUERY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAMES	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			S	O

Table 94: C_LU-IN_6-0_QUERY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			C	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 95: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_QUERY_VPN-ACCOUNT	A_LU-IN_6-0_QUERY_VPN-ACCOUNT

C_LU-IN_6-0_QUERY_VPN-ACCOUNT

Retrieves an eVPN account.

Table 96: C_LU-IN_6-0_QUERY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_ID	VPN Account ID.			S	R
VPN_ACCOUNT_NAME	VPN Account Name.			S	R
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O

Table 96: C_LU-IN_6-0_QUERY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAMES	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			S	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			C	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O

Table 96: C_LU-IN_6-0_QUERY_VPN-ACCOUNT

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 97: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_QUERY_VPN-ACCOUNT	A_LU-IN_6-0_QUERY_VPN-ACCOUNT

C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Retrieves an eVPN subscriber.

Table 98: C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
MEMBER_NUMBER	NRN Prefix.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O

Table 98: C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short code.			S	O
VPN_CODE_LENGTH	Length of the VPN code.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O

Table 98: C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 99: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER	A_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Retrieves an eVPN subscriber.

Table 100: C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
MEMBER_NUMBER	NRN Prefix.			S	R
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short code.			S	O
VPN_CODE_LENGTH	Length of the VPN code.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O

Table 100: C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O

Table 100: C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 101: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_QUERY_VPN-SUBSCRIBER	A_LU-IN_6-0_QUERY_VPN-SUBSCRIBER

C_LU-IN_6-0_QUERY_VPN-VM

Query eVPN virtual members.

Table 102: C_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
ENTRY_PROFILE_TYPE	Entry profile type defaulted from comm_param.			S	O
EXPANDED_NRN_MAPPING	Expanded NRN Mapping defaulted from comm_param.			S	O
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R

Table 102: C_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SED_CUT_AND_PASTE	Cut and paste flag defaulted from comm_param.			S	O
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
TERMINAL_TYPE	Terminal Type.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param.As this is an enumeration the String value from the parameter must be translated to the enumerated value.			S	O
VIRT_ONNET_FEATURE_2	Extended Virtual On-Net feature 2 name defaulted from comm_param.			S	O
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short Dial Code Passed from Siebel.			S	O

Table 102: C_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O

Table 102: C_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 103: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_QUERY_VPN-VM	A_LU-IN_6-0_QUERY_VPN-VM

C_LU-IN_6-0_QUERY_VPN-VM

Query eVPN virtual members.

Table 104: C_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
AUTHENTICATION_ID	E.164 Number identifying the user.			S	O
AUTHENTICATION_TYPE	Authentication ID type.			S	O
ENTRY_PROFILE_TYPE	Entry profile type defaulted from comm_param.			S	O
EXPANDED_NRN_MAPPING	Expanded NRN Mapping defaulted from comm_param.			S	O

Table 104: C_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
MEMBER_NUMBER	Either NRN or MDN should be used.E.164 Number that the short code corresponds to. In most of the cases is equal to the AuthenticationID.			S	O
NE_ID_LU-IN	Host NE identifier.			S	R
PARENT_SO_NAME	Zero length string - parent service object name, not required.			S	O
SED_CUT_AND_PASTE	Cut and paste flag defaulted from comm_param.			S	O
SED_SC_LENGTH	Populate this field value only if VPN_CODE contains trailing.			S	O
SO_NAME	The Account Id is used as service object name. Creating a new account in effect creates a new service object on the eSM, which is why an SO_INSERT action is used.			S	O
TERMINAL_TYPE	Terminal Type.			S	O
VIRT_ONNET_FEATURE	Extended Virtual On-Net feature name defaulted from comm_param.As this is an enumeration the String value from the parameter must be translated to the enumerated value.			S	O
VIRT_ONNET_FEATURE_2	Extended Virtual On-Net feature 2 name defaulted from comm_param.			S	O

Table 104: C_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_ACCESS_GRP_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_ACCOUNT_NAME	VPN Account Name.			S	O
VPN_CODE	Short Dial Code Passed from Siebel.			S	O
VPN_DUE_DATE	Default VPN due date from comm_params for VPN Service.			S	O
VPN_EVENT_DESTINATION	Default event destination from comm_params for VPN Service.			S	O
VPN_NE_NAME	List of NE's that may be provisioned or queried by a work order. These names will be set by the Administrator, and if required will be set as a comm_param.			C	O
VPN_OWNER_NAME	User Id - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O
VPN_PRIORITY	Default VPN Priority value from comm_params for VPN Service.			S	O
VPN_SO_GRP_NAME	Identifies NE to be updated - defined by eSM administrator to restrict access (for provisioning system and GUI users) - set as comm_param.			S	O

Table 104: C_LU-IN_6-0_QUERY_VPN-VM

Parameter Name	Description	Range	Default Value	Type	Class
VPN_VERSION_NAME	Default VPN version name from comm_params for VPN Service.			S	O
VPN_VIEW_NAME	Default view name from comm_params for VPN Service.			S	O
VPN_WO_DELETE_MODE	Default VPN work order delete mode from comm_params for VPN Service.			S	O
VPN_WO_INFO	Default VPN work order information from comm_params for VPN Service.			S	O
VPN_WO_TYPE	Default Work Order Type from comm_params for VPN Service.			S	O

Mapping to ASDLs

The following table illustrates the CSDL to ASDL mapping for this service.

Table 105: CSDL to ASDL Mapping

CSDL	ASDL
C_LU-IN_6-0_QUERY_VPN-VM	A_LU-IN_6-0_QUERY_VPN-VM

Configuring ASAP to Support Additional NE Instances

You can configure ASAP to support the E_LU-IN_6-0_HOST - 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 Lucent IN 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="LUINPOOL">
    <device name="E_LU-IN_6-0_HOST_conn_1">
      <environment/>
      <lineType>CORBA_CONNECTION</lineType>
    </device>
  </connectionPool>
  <element name="E_LU-IN_6-0_HOST">
    <technology>LU-IN</technology>
    <softwareLoad>6-0</softwareLoad>
    <nepServerName>NEP_LUIN</nepServerName>
    <primaryPool>LUINPOOL</primaryPool>
    <maximumConnections>5</maximumConnections>
    <dropTimeout>10</dropTimeout>
    <spawnThreshold>6</spawnThreshold>
    <killThreshold>3</killThreshold>
    <routingElement name="E_LU-IN_6-0_HOST"/>
    <communicationParameter>
      <label>VPN_VIEW_NAME</label>
      <value>
        <value>VPN_VIEW_NAME</value>
      </value>
      <description>Default view name from comm_params for VPN
        Service.</description>
      <lineType>CORBA_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
      <label>VPN_VERSION_NAME</label>
      <value>
        <value>261</value>
      </value>
    </communicationParameter>
  </element>
</activationConfig>
```

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        <description>Default VPN version name from comm_params for
        VPN Service.</description>
        <lineType>CORBA_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>VPN_WO_INFO</label>
        <value>
            <value>VPN_WO_INFO</value>
        </value>
        <description>Default VPN work order information from
        comm_params for VPN Service.</description>
        <lineType>CORBA_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>VPN_PRIORITY</label>
        <value>
            <value>5</value>
        </value>
        <description>Default VPN Priority value from comm_params for
        VPN Service.</description>
        <lineType>CORBA_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>VPN_DUE_DATE</label>
        <value>
            <value>0</value>
        </value>
        <description>Default VPN due date from comm_params for VPN
        Service.</description>
        <lineType>CORBA_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>VPN_WO_DELETE_MODE</label>
        <value>
            <value>SYSTEM_WODELMODE</value>
        </value>
        <description>Default VPN work order delete mode from
        comm_params for VPN Service.</description>
        <lineType>CORBA_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>VPN_EVENT_DESTINATION</label>
        <value>
            <value>LuINEvtDest</value>
        </value>
        <description>Event destination prefix for VPN Service.
        </description>
        <lineType>CORBA_CONNECTION</lineType>
    </communicationParameter>
    <communicationParameter>
        <label>VPN_WO_TYPE</label>
        <value>
            <value>PROV_WO</value>
        </value>
        <description>Default Work Order Type from comm_params for
        VPN Service. Possilbe values are PROV_WO and NEQUERY_WO.
        </description>

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    <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>VPN_SO_GRP_NAME</label>
  <value>
    <value>VPN_SO_GRP_NAME</value>
  </value>
  <description>Identifies NE to be updated - defined by eSM
administrator to restrict access (for provisioning system GUI
users) - set as comm param.</description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>VPN_OWNER_NAME</label>
  <value>
    <value>VPN_OWNER_NAME</value>
  </value>
  <description>Service object group name</description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>VPN_ACCT_GRP_NAME</label>
  <value>
    <value>prov</value>
  </value>
  <description>Account group name</description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>VPN_NE_NAME[1]</label>
  <value>
    <value>VPN_NE_NAME[1]</value>
  </value>
  <description>NE that may be provisioned or queried by a
work order. These names will be set by the Administrator and
if required set as a comm_param.</description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>MONITOR_INTERVAL</label>
  <value>
    <value>60</value>
  </value>
  <description>Work order monitoring time interval in seconds
</description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>TIMEOUT</label>
  <value>
    <value>10</value>
  </value>
  <description>Work order timeout period in minutes
</description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>

```

```

    <label>USERNAME</label>
    <value>
      <value>USERNAME</value>
    </value>
    <description>User name to log in to eSM</description>
    <lineType>CORBA_CONNECTION</lineType>
  </communicationParameter>
  <communicationParameter>
    <label>PASSWORD</label>
    <value>
      <value>PASSWORD</value>
    </value>
    <description>Password to log in to eSM</description>
    <lineType>CORBA_CONNECTION</lineType>
  </communicationParameter>
  <communicationParameter>
    <label>VPN_ACCESS_GRP_NAME</label>
    <value>
      <value>VPN_ACCESS_GRP_NAME</value>
    </value>
    <description>Default VPN access group names</description>
    <lineType>CORBA_CONNECTION</lineType>
  </communicationParameter>
  <communicationParameter>
    <label>THROTTLE</label>
    <value>
      <value>0</value>
    </value>
    <description>Time in milliseconds to throttle transmission of
    successive requests</description>
    <lineType>CORBA_CONNECTION</lineType>
  </communicationParameter>
  <communicationParameter>
    <label>VPN_EVENT_FILTER</label>
    <value>
      <value>LuNEvtFilter</value>
    </value>
    <description>Filter name prefix used to subscribe for
    events</description>
    <lineType>CORBA_CONNECTION</lineType>
  </communicationParameter>
  <communicationParameter>
    <label>WO_NAME_PREFIX</label>
    <value>
      <value>VFNZ</value>
    </value>
    <description>Prefix for request ID</description>
    <lineType>CORBA_CONNECTION</lineType>
  </communicationParameter>
  <communicationParameter>
    <label>LU_IN_NE_HOST</label>
    <value>
      <value>E_LU-IN_6-0_HOST</value>
    </value>
    <description>Host name of network element</description>
    <lineType>CORBA_CONNECTION</lineType>
  </communicationParameter>

```

```

<communicationParameter>
  <label>STOP_ASDL_CHECK_INTERVAL</label>
  <value>
    <value>50</value>
  </value>
  <description>Sleep interval in msec between checks for
  completion of all requests in STOP ASDL</description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>STOP_ASDL_CHECK_NUMBER</label>
  <value>
    <value>40</value>
  </value>
  <description>Total number of checks for completion of all
  requests in STOP ASDL</description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>ASYNC_MODE</label>
  <value>
    <value>N</value>
  </value>
  <description>Mode of interaction with network element
  </description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>SYNC_REQ_TIMEOUT</label>
  <value>
    <value>10</value>
  </value>
  <description>Timeout for synchronous request in seconds
  </description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>USER_ERROR_FILE</label>
  <value>
    <value>config/Lucent_IN_6_0_UserExitTypes.cfg</value>
  </value>
  <description>Full path name of user exit type mapping file
  under from the ASAP base directory. E.g. a value of config
  will be understood as $ASAP_BASE/config</description>
  <lineType>CORBA_CONNECTION</lineType>
</communicationParameter>
<communicationParameter>
  <label>IOR_FILE</label>
  <value>
    <value>config/Lucent_IN_6_0.cfg</value>
  </value>
  <description>Full path name of file containing eSM IOR,
  starting under the ASAP base directory. E.g. a value of config
  will be understood as $ASAP_BASE/config</description>
  <lineType>CORBA_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. (Use Studio help for more information).

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. (Use Studio help for more information).